

2019 FACULTY SCHOLARSHIP REPORT

DESIGN AND LAYOUT

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Letter from the Provost

I am very pleased to present the 2019 Faculty Scholarship Report. This compendium of scholarly work by RIT faculty and students represents the best of who we are as scholars and creative artists. The report provides several examples of exceptional individual and group achievements. It contains a list of the awards won, articles and books published, juried shows exhibited, and editorships undertaken by faculty members and students in 2019. I hope you take a few minutes to review the work and take pride in your own and others' accomplishments.



The scholarly and artistic efforts within this report each contribute to RIT's growing national reputation, and many have direct and positive impacts on communities here in western New York and around the world. This work, which ranges from developing computational systems that improve care for patients with heart disease, to understanding the role of cultural and linguistic diversity for those who are Deaf and hard-of-hearing, to discovering the closest exoplanet to Earth, puts RIT and its research at the heart of some of the world's most technical, scientific, and social challenges.

RIT's faculty and students continue to engage in research, pedagogical undertakings, and scholarly activities that break down boundaries inside and outside of the university. Under the leadership of our president, Dr. David Munson, Jr., RIT's vision for the future, embodied in the university's strategic plan Greatness Through Difference, sets ambitious research and scholarship goals for the year 2025. The work showcased in this report demonstrates the many ways that RIT's world-class faculty are steadily achieving these goals.

In fiscal year 2019, RIT also had its second-best year ever in acquiring sponsored research funding and a record year for research expenditures. RIT received 366 new awards totaling \$74 million in funding, and expenditures grew to an estimated \$58 million. RIT now has 353 principal investigators associated with active research awards. Additionally, the university is on target to confer at least 40 doctoral degrees in 2020, an all-time high. Building momentum for the university to meet or exceed another 2025 goal.

I want to thank each faculty member who took the time to achievements during 2019.

ELLEN GRANBERG, PH.D.

Provost and Senior Vice President for Academic Affairs
Rochester Institute of Technology

Computing & Information Sciences

Computer Science

Matthew Fluet, Associate Professor

Journal Paper: Westrick, Sam, et al. "Disentanglement in Nested-Parallel Programs." Proceedings of the ACM on Programming Languages 4. POPL (2019): Article 47. Web. *

Joe Geigel, Professor

Published Conference Proceedings: Rook, Kelsey, et al. "A Study of User Intent in Immersive Smart Spaces." Proceedings of the PerLS 2019 : The Third International Workshop on Pervasive Smart Living Spaces, Kyoto, Japan, Mar 11, 2019 - Mar 15, 2019. Ed. Andreas Jacobsson and Mohan Kumar. New York, NY: IEEE, Web. *

Published Conference Proceedings: Bhide, Saylee, Elizabeth Goins, and Joe Geigel. "Experimental Analysis of Spatial Sound for Storytelling in Virtual Reality." Proceedings of the Interactive Storytelling. ICIDS 2019, Utah,. Ed. Rogelio E. Cardona-Rivera, Anne Sullivan, and R. Michael Young. Cham, Switzerland: Springer Nature, Web. «

Edith Hemaspaandra, Professor

Journal Paper: Hemaspaandra, E., L. Hemaspaandra, and C. Menton. "Search versus Decision for Election Manipulation Problems." ACM Transactions on Computation Theory. (2020) Print. *

Journal Paper: Fitzsimmons, Z. and E. Hemaspaandra. "High-Multiplicity Election Problems." Journal of Autonomous Agents and Multi-Agent Systems 33. 4 (2019): 383-402. Print. *

Book Chapter: Hemaspaandra, E. and L. Hemaspaandra. "Credimus." The Future of Economic Design: The Continuing Development of a Field as Envisioned by Its Researchers. Ed. J.-F. Laslier, et al. : Springer, 2019. 141-152. Print. Δ

Published Conference Proceedings: Fitzsimmons, Z., et al. "Very Hard Electoral Control Problems." Proceedings of the Thirty-Third AAAI Conference on Artificial Intelligence (AAAI 2019). Honolulu, HA: n.p., 2019. Web. «

Published Conference Proceedings: Hemaspaandra, E., L. Hemaspaandra, and J. Rothe. "The Complexity of Online Bribery in Sequential Elections." Proceedings of the 17th Conference on Theoretical Aspects of Rationality and Knowledge. Ed. . Toulouse, France: n.p., 2019. Web. *

Published Conference Proceedings: Burjons, E., et al. "Finding Optimal Solutions With Neighborly Help." Proceedings of the 44th International Symposium on Mathematical Foundations of Computer Science (MFCS 2019). Aachen, Germany: n.p., 2019. Web. *

Monika K Polak

Journal Paper: Ustimenko, Vasyi, et al. "On the Constructions of New Symmetric Ciphers Based on Nonbijective Multivariate Maps of Prescribed Degree." Security and Communication Networks 2019. (2019): 1-15. Web. *

Published Conference Proceedings: Carenzo, Michael and Monika Katarzyna Polak. "Accelerating Multivariate Cryptography with Constructive Affine Stream Transformations." Proceedings of the 2019 14th Conference on Computer Science and Information Systems (FedCSIS), Leipzig, Germany, 1-4 September, 2019. Ed. M. Ganzha, L. Maciaszek, and M. Paprzycki. Leipzig, Germany: IEEE Xplore Digital Library, 2019. Web. *

Published Conference Proceedings: Beshaj, Lubjana and Monika Katarzyna Polak. "On Hyperelliptic Curves of Genus 3." Proceedings of the American Mathematical Society Spring Central Sectional Meeting, Special Session on Algebraic Curves and Their Applications, Ohio State University. Ed. Lubjana Beshaj and Tony Shaska. Columbus, OH: American Mathematical Society, 2019. Print. *

Stanislaw Radziszowski, Professor

Journal Paper: Kaufmann, Jenny M., Henry J. Wickus, and Stanisław P. Radziszowski. "On Some Edge Folkman Numbers Small and Large." *Involve, a Journal of Mathematics* 12. (2019): 813--822. Print. £

Published Review: Radziszowski, Stanisław. "MR3979231." Rev. of Separating tree-chromatic number from path-chromatic number, by AMS. *Mathematical Reviews* 28 Dec. 2019: MathSciNet. Web. Δ

Published Review: Radziszowski, Stanisław. "MR3902448." Rev. of Three-color bipartite Ramsey number for graphs with small bandwidth, by American Mathematical Society. *Mathematical Reviews* 25 Jun. 2019: MathSciNet. Web. Δ

Published Review: Radziszowski, Stanisław. "MR3891934." Rev. of The Ramsey number of loose cycles versus cliques, by American Mathematical Society. *Mathematical Reviews* 8 May 2019: MathSciNet. Web. Δ

Published Review: Radziszowski, Stanisław. "MR3828124." Rev. of Rev. of $R(5,5) \leq 48$, by American Mathematical Society. *Mathematical Reviews* 28 Apr. 2019: MathSciNet. Web. Δ

Published Review: Radziszowski, Stanisław. "MR3901567." Rev. of Rev. of Lower bounding the Folkman numbers $F_v(a_1, \dots, a_s; m-1)$, by American Mathematical Society. *Mathematical Reviews* 9 Aug. 2019: MathSciNet. Web. Δ

Journal Paper: Xu, Xiaodong, Meilian Liang, and Stanisław Radziszowski. "A Note on Upper Bounds for Some Generalized Folkman Numbers." *Discussiones Mathematicae Graph Theory* 39. (2019): 939--950. Print. £

Journal Paper: Liang, Meilian, Stanisław Radziszowski, and Xiaodong Xu. "On a Diagonal Conjecture for Classical Ramsey Numbers." *Discrete Applied Mathematics* 267. (2019): 195--200. Print. £

Published Conference Proceedings: Foster, Michael J., Marcin Łukowiak, and Stanisław Radziszowski. "Flexible HLS-Based Implementation of the Karatsuba Multiplier Targeting Homomorphic Encryption Schemes." *Proceedings of the 26-th International Conference Mixed Design of Integrated Circuits and Systems*. Ed. MIXDES'2019. Rzeszów, Poland: MIXDES'2019, 2019. Web. £

Published Conference Proceedings: Tinker, Cody, et al. "Exploring the Application of Homomorphic Encryption to a Cross Domain Solution." *Proceedings of the MILCOM'2019*. Ed. MILCOM'2019. Norfolk, VA: n.p., 2019. Web. £

Published Conference Proceedings: Millar, Kevin, Marcin Łukowiak, and Stanisław Radziszowski. "Design of a Flexible Schönhage-Strassen FFT Polynomial Multiplier with High-Level Synthesis to Accelerate HE in the Cloud." *Proceedings of the International Conference on Reconfigurable Computing and FPGAs*. Ed. ReConFig'2019. Cancún, México: ReConFig'2019, 2019. Web. £

Rajendra Raj, Professor

Published Conference Proceedings: Alnemari, Asma, et al. "Protecting Personally Identifiable Information (PII) in Critical Infrastructure Data Using Differential Privacy." *Proceedings of the 2019 IEEE International Symposium on Technologies for Homeland Security (HST 2019)*. Ed. John Aldridge, Rich Moro, and Arash Samani. Waltham, MA: IEEE, 2019. Print. *

Featured Faculty

DR. IFEOMA NWOGU IS AN ASSISTANT PROFESSOR IN THE COMPUTER SCIENCE DEPARTMENT AT GCCIS, WHERE SHE CO-DIRECTS THE CS GRAPHICS AND APPLIED PERCEPTION LAB. SHE RECEIVED HER PH.D. IN COMPUTER SCIENCE AND ENGINEERING FROM THE UNIVERSITY AT BUFFALO IN 2009, HER MASTER'S IN COMPUTING AND INFORMATION SCIENCE FROM THE UNIVERSITY OF PENNSYLVANIA AND HER BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING FROM THE UNIVERSITY OF LAGOS, NIGERIA. SHE RECEIVED THE NSF CAREER AWARD TITLED "A COMPUTATIONAL APPROACH TO THE STUDY OF BEHAVIOR AND SOCIAL INTERACTIONS", A MULTI-DISCIPLINARY RESEARCH TOPIC AT THE INTERSECTION OF MACHINE LEARNING, COMPUTER VISION, AND SOCIAL PSYCHOLOGY.

This research is focused on developing mathematical foundational models to better study subtle individual human behaviors, as well as general collective group behaviors, occurring during social face-to-face interactions. This involves the development of dynamic models over visual, acoustic and language data, as well as physiological measures. These types of temporal data can be very noisy and make for interesting albeit challenging, sets of problems, as Dr. Nwogu and her students work to develop predictive and readily interpretable and explainable models over them. They employ dynamic Bayesian probabilistic modeling, traditional time series modeling and deep learning techniques to better analyze various aspects of communicative human behavior, computationally. Because of the nature of the limited realistic data utilized, there is often the need to collect preliminary, more controlled data, or develop various types of simulations, which can become auxiliary projects by themselves.

Dr. Nwogu is affiliated with the RIT Center for Advancing STEM Teaching, Learning & Evaluation (CASTLE) to develop behavior-based technologies that can potentially aid in supporting at-risk first year student in STEMs. She also collaborates with Behavioral Therapists with the goal of developing intelligent clinical technologies useful for addressing mental health disorders. In the course of this award, Dr. Nwogu intends to interact with students of different nationalities by teaching foundational machine learning and computer vision courses in different countries while also collecting data about student study groups, loosely integrating her teaching with her research in computationally studying human behaviors.

Ifeoma Nwogu
Assistant Professor
RIT Golisano College of Computing and Information Sciences

PHOTO BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Carlos Rafael Rivero Osuna, Assistant Professor

Published Conference Proceedings: Marin, Victor J. and Carlos R. Rivero. "Clustering Recurrent and Semantically Cohesive Program Statements in Introductory Programming Assignments." Proceedings of the 28th ACM International Conference on Information and Knowledge Management. Ed. Wenwu Zhu, Dacheng Tao, Xueqi Cheng, Peng Cui, Elke A. Rundensteiner, David Carmel, Qi He, Jeffrey Xu Yu. Beijing, China: ACM, Web. *

Published Conference Proceedings: Borrego, Agustín, et al. "Generating Rules to Filter Candidate Triples for their Correctness Checking by Knowledge Graph Completion Techniques." Proceedings of the 10th International Conference on Knowledge Capture. Ed. Mayank Kejriwal, Pedro A. Szekely, Raphaël Troncy. Marina del Rey, CA: ACM, Web. *

Published Game, Application or Software: Rivero, Carlos R. CHALD. Software. GitHub. 2019. ~

Published Game, Application or Software: Borrego, Agustín, et al. CHAI. Software. GitHub. 2019. ~

Published Conference Proceedings: Ayala, Daniel, et al. "AYNEC: All You Need for Evaluating Completion Techniques in Knowledge Graphs." Proceedings of the Semantic Web, 16th International Conference. Ed. Pascal Hitzler, Miriam Fernández, Krzysztof Janowicz, Amrapali Zaveri, Alasdair J. G. Gray, Vanessa López, Armin Haller, Karl Hammar. Portorož, Slovenia: Springer, 2019. Web. *

Journal Paper: Hernández, Inma, Carlos R. Rivero, and David Ruiz. "Deep Web Crawling: A Survey." World Wide Web 22. 4 (2019): 1577-1610. Web. *

Published Game, Application or Software: Ayala, Daniel, et al. AYNEC. Software. GitHub. 2019. ~

Published Game, Application or Software:

Marin, Victor J. and Carlos R. Rivero. Program Statement Clustering. Software. GitHub. 2019. ~

Published Game, Application or Software:

Bhavsar, Komal and Carlos R. Rivero. AccuGraph. Software. GitHub. 2019. ~

Published Game, Application or Software:

Jawalkar, Mayur and Carlos R. Rivero. GRAV. Software. GitHub. 2019. ~

Published Game, Application or Software:

Both, Corie and Carlos R. Rivero. WhyNot. Software. GitHub. 2019. ~

Department of Computing Security

Sumita Mishra, Professor

Book Chapter: Dongre, Siddharth, et al. "Quantifying the cost of data breaches." Critical Infrastructure Protection XIII), IFIP Advances in Information and Communication Technology. Ed. J. Staggs and S. Sheno. Switzerland, AG: Springer, 2019. 3-16. Print. *

Published Conference Proceedings: Alnemari, Asma, et al. "Protecting Personally Identifiable Information (PII) in Critical Infrastructure Data Using Differential Privacy." Proceedings of the IEEE Symposium on Technologies for Homeland Security (IEEE HST 2019). Ed. IEEE. Woburn, MA: IEEE, Web. *

Published Conference Proceedings: Dongre, Siddharth, et al. "Towards Quantifying the Cost to Privacy Resulting from Data Breaches." Proceedings of the Thirteenth IFIP WG 11.10 International Conference on Critical Infrastructure Protection. Ed. IFIP. Arlington, VA: IFIP, Web. *

Peer Reviewed/Juried Poster Presentation:

Prasad, N., P. Talukdar, and S. Mishra. "Analysis of AES and PRESENT for encryption in IOT devices." Proceedings of the Women in Cybersecurity Conference (WiCYS 2019). Ed. WiCYS. Pittsburgh, PA: WiCYS. *

Hanif Rahbari, Assistant Professor

Journal Paper: Siyari, Peyman, Hanif Rahbari, and Marwan Krunz. "Lightweight Machine Learning for Efficient Frequency-Offset-Aware Demodulation." *IEEE Journal on Selected Areas in Communications* 37. 11 (2019): 2544-2558. Print. *

Full Patent: Krunz, Marwan M., et al. "Systems and Methods for Securing Wireless Communications." U.S. Patent 10,439,755. 8 Oct. 2019. * £

Ziming Zhao, Assistant Professor

Published Conference Proceedings: Kokulu, Faris Bugra, et al. "Matched and Mismatched SOCs: A Qualitative Study on Security Operations Center Issues." *Proceedings of the ACM SIGSAC Conference on Computer and Communications Security (CCS)*. London, UK: n.p., 2019. Print. «

Journal Paper: Hu, Hongxin, et al. "Towards a Reliable Firewall for Software-Defined Networks." *Computers & Security (COSE)*. (2019) Print. *

Journal Paper: Chen, Jing, et al. "Semantics-Aware Privacy Risk Assessment Using Self-Learning Weight Assignment for Mobile Apps." *IEEE Transactions on Dependable and Secure Computing (TDSC)*. (2019) Print. *

Published Conference Proceedings: Sun, Zhibo, et al. "Understanding and Predicting Private Interactions in Underground Forums." *Proceedings of the ACM Conference on Data and Application Security and Privacy (CODASPY)*. n.p., 2019. Print. «

Published Conference Proceedings: Medrano, Carlos Rubio, et al. "Effectively Enforcing Authorization Constraints for Emerging Space-Sensitive Technologies." *Proceedings of the ACM Symposium on Access Control Models and Technologies (SACMAT)*. n.p., 2019. Print. «

Published Conference Proceedings: Zhang, Penghui, et al. "iCORE: Continuous and Proactive Extrospection on Multi-core IoT Devices." *Proceedings of the ACM/SIGAPP Symposium On Applied Computing (SAC)*. n.p., 2019. Print. «

Published Conference Proceedings: Lamp, Josephine, et al. "ExSol: Collaboratively Assessing Cybersecurity Risks for Protecting Energy Delivery Systems." *Proceedings of the IEEE Workshop on Modeling and Simulation of Cyber-Physical Energy Systems (MSCPES)*. Ed. N/A. N/A, N/A: n.p., 2019. Print. «

Published Conference Proceedings: Tu, Huahong, et al. "Users Really Do Answer Telephone Scams." *Proceedings of the USENIX Security Symposium (SECURITY)*. San Jose, CA: n.p., 2019. Print. «

School of Information

Dan Bogaard, Associate Professor

Published Conference Proceedings: Greenberg, Hollis, et al. "Increasing Female Enrollment and Retention for Computing Degrees." *Proceedings of the SIGITE 2019, Tacoma, WA*. Ed. Goda, Bryan. Tacoma, WA: ACM, 2019. Web. «

Published Conference Proceedings: Bogaard, Daniel, et al. "Online Learning, the Educators Experiences." *Proceedings of the SIGITE 2019, Tacoma, WA*. Ed. Goda, Bryan. Tacoma, WA: ACM, 2019. Web. «

Bruce Hartpence, Professor

Published Conference Proceedings: Hartpence, Bruce and Andres Kwasinski. "Fast Internet Packet and Flow Classification Based on Artificial Neural Networks." *Proceedings of the IEEE Southeastcon 2019*. Ed. IEEE. Huntsville, AL: IEEE, 2019. Print. «

Published Conference Proceedings: Hartpence, Bruce and Andres Kwasinski. "Combating TCP Port Scan Attacks Using Sequential Neural Networks." *Proceedings of the International Conference on Computing, Networking and Communications*. Ed. ICNC. Kailua-Kona, HI: ICNC, 2020. Print. «

Published Conference Proceedings: Hartpence, Bruce and Andres Kwasinski. "Considering the Blackbox: An Investigation of Optimization Techniques with Completely Balanced Datasets of Packet Traffic." Proceedings of the IEEE Big Data. Ed. IEEE. Los Angeles, Ca: IEEE, 2019. Print. «

Lawrence W Hill, Associate Professor

Published Conference Proceedings: Hill, Lawrence. "Information Technology and Computing Topics and Their Relevance to Medical Undergraduate and Graduate Program Curricula at RIT." Proceedings of the ECC 2019, Marist College, Poughkeepsie, NY, June 11 2019. Ed. Cynthia Worrada. Poughkeepsie, NY: n.p., 2019. Web. «

Edward Holden, Associate Professor

Published Conference Proceedings: Kang, Jai W., et al. "Complementing Course Contents Between IT/CS: A Case Study on Database Courses." Proceedings of the ACM Special Interest Group in IT Education Conference (SIGITE'19),. Ed. ACM. Tacoma, WA: n.p., 2019. Web. *

Matt Huenerfauth, Professor

Journal Paper: Mhatre, Abhishek, Sedeeq Al-khazraji, and Matt Huenerfauth. "Evaluating Sign Language Animation through Models of Eye Movements." Journal on Technology and Persons with Disabilities 7. (2019): 54-63. Web. «

Published Conference Proceedings: Kafle, Sushant, Peter Yeung, and Matt Huenerfauth. "Evaluating the Benefit of Highlighting Key Words in Captions for People who are Deaf or Hard of Hearing." Proceedings of the 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '19). Ed. Jeffrey P. Bigham, Shiri Azenkot, and Shaun K. Kane. New York, NY: ACM, 2019. Print. «

Journal Editor: Huenerfauth, Matt and Kathleen F. McCoy, ed. Special Issue on ASSETS'17 (Part 2). ACM Transactions on Accessible Computing (TACCESS) Journal, Volume 12, Issue 3 (September 2019). New York: NY, 2019. Print. «

Journal Editor: Huenerfauth, Matt and Kathleen F. McCoy, ed. Special Issue on ASSETS'17 and Regular Papers. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 12, Issue 2 (July 2019). New York: NY, 2019. Print. «

Journal Editor: Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 12, Issue 1 (February 2019). New York: NY, 2019. Print. «

Journal Paper: Huenerfauth, Matt and Kathleen F. McCoy. "Editorial: A Message from the Outgoing Editors-in-Chief." ACM Transactions on Accessible Computing 12. 3 (2019): 1-2. Print. Δ

Peer Reviewed/Juried Poster Presentation: Bochner, Joseph, et al. "Categorical Perception in Cochlear Implant Users with Early-Onset Profound Deafness." Proceedings of the 31st American Psychological Society Annual Convention (APS'19). Ed. NA. Washington, DC: n.p., *

Journal Paper: Kafle, Sushant and Matt Huenerfauth. "Predicting the Understandability of Imperfect English Captions for People Who Are Deaf or Hard of Hearing." ACM Transactions on Accessible Computing 12. 2 (2019): 1-30. Print. «

Journal Paper: Berke, Larwan, Matt Huenerfauth, and Kasmira Patel. "Design and Psychometric Evaluation of American Sign Language Translations of Usability Questionnaires." ACM Transactions on Accessible Computing 12. 2 (2019): 1-43. Print. «

Book Chapter: Kannekanti, Abhishek, Sedeeq Al-khazraji, and Matt Huenerfauth. "Design and Evaluation of a User-Interface for Authoring Sentences of American Sign Language Animation." Universal Access in Human-Computer Interaction. Theory, Methods and Tools. HCII 2019. Lecture Notes in Computer Science, vol 11572. Ed. M. Antona and C. Stephanidis. New York, NY: Springer, 2019. 258-267. Web. «

National/International Competition Award

Winner: Huenerfauth, Matt. Association for Computing Machinery. Best Paper Award, The 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS'19). Pittsburgh, PA, 2019. «

National/International Competition Award

Winner: Huenerfauth, Matt. HCI International. Best Paper Award, The 13th International Conference on Universal Access in Human-Computer Interaction (UAHCI'19). Orlando, FL, 2019. «

Invited Keynote/Presentation: Huenerfauth, Matt. "Human-Centered AI to Benefit People who are Deaf and Hard of Hearing." Research Experiences for Undergraduates Site in Computational Sensing for Human-Centered AI. Rochester Institute of Technology. Rochester, NY. 5 Jun. 2019. Address. Δ

Invited Keynote/Presentation: Huenerfauth, Matt. "Creating Useful Applications with Imperfect Sign Language Recognition Technologies." Automatic Recognition and Analysis of American Sign Language Workshop, Center for Gesture Sign and Language. University of Chicago. Chicago, IL. 15 May 2019. Address. Δ

Invited Keynote/Presentation: Huenerfauth, Matt. "Panel: Privacy, Ethics & People with Disabilities in the Age of AI." CSUN Assistive Technology Conference. California State University Northridge. Anaheim, CA. 14 Mar. 2019. Address. Δ

Book Chapter: Shah, Utsav, Matthew Seita, and Matt Huenerfauth. "Evaluation of User-Interface Designs for Educational Feedback Software for ASL Students." Universal Access in Human-Computer Interaction. Theory, Methods and Tools. HCII 2019. Lecture Notes in Computer Science, vol 11572. Ed. M. Antona and C. Stephanidis. New York, NY: Springer, 2019. 507-525. Web. «

Published Conference Proceedings: Bragg, Danielle, et al. "Sign Language Recognition, Generation, and Translation: An Interdisciplinary Perspective." Proceedings of the 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '19). Ed. Jeffrey P. Bigham, Shiri Azenkot, and Shaun K. Kane. New York, NY: ACM, 2019. Print. «

Published Conference Proceedings: Alonzo, Oliver, Abraham Glasser, and Matt Huenerfauth. "Effect of Automatic Sign Recognition Performance on the Usability of Video-Based Search Interfaces for Sign Language Dictionaries." Proceedings of the 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '19). Ed. Jeffrey P. Bigham, Shiri Azenkot, and Shaun K. Kane. New York, NY: ACM, 2019. Print. «

Invited Keynote/Presentation: Huenerfauth, Matt. "Learning from Human Movements to Create Accurate Sign Language Animations." Microsoft AI for Accessibility Sign Language Recognition & Translation Workshop. Microsoft. Redmond, WA. 25 Feb. 2019. Address. Δ

External Scholarly Fellowships/National Review Committee:

9/1/2019 -

8/31/2022

Microsoft Artificial Intelligence for Accessibility (AI4A) grant program
Amount: 241104

£

External Scholarly Fellowships/National Review Committee:

4/1/2019 -

3/31/2020

Microsoft Artificial Intelligence for Accessibility (AI4A) grant program
Amount: 15000

£

Published Conference Proceedings: Kafle, Sushant, Cecilia O. Alm, and Matt Huenerfauth. "Fusion Strategy for Prosodic and Lexical Representations of Word Importance." Proceedings of the Proceedings of the 20th Annual Conference of the International Speech Communication Association (INTERSPEECH 2019). Ed. N/A. Graz, Austria: ISCA, 2019. Print. «

Published Conference Proceedings: Kafle, Sushant, Cecilia O. Alm, and Matt Huenerfauth. "Modeling Acoustic-Prosodic Cues for Word Importance Prediction in Spoken Dialogues." Proceedings of the Proceedings of the 8th Workshop on Speech and Language Processing for Assistive Technologies (SLPAT'19). Collocated with the 2019 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL'19). Ed. NA. Minneapolis, Minnesota: Association for Computational Linguistics, 2019. Print. «

Published Conference Proceedings: Berke, Larwan, et al. "Preferred Appearance of Captions Generated by Automatic Speech Recognition for Deaf and Hard-of-Hearing Viewers." Proceedings of the Proceedings of the 2019 ACM Conference on Human Factors in Computing Systems (CHI'19 Extended Abstracts). Ed. Stephen Brewster, et al. New York, NY: ACM, 2019. Print. «

Published Conference Proceedings: Kafle, Sushant, et al. "Artificial Intelligence Fairness in the Context of Accessibility Research on Intelligent Systems for People who are Deaf or Hard of Hearing." Proceedings of the ACM ASSETS 2019 Workshop on AI Fairness for People with Disabilities. Ed. NA. New York, NY: ACM, 2019. Web. *

Published Conference Proceedings: Dye, Matthew, Matt Huenerfauth, and Kim Kurz. "Sign Language Avatars Activate Phonological and Semantic Representations: Evidence from Working Memory and Priming Paradigms." Proceedings of the 13th Conference on Theoretical Issues in Sign Language Research (TISLR 13). Ed. NA. Hamburg, Germany: n.p., 2019. Web. £

Peer Reviewed/Juried Poster Presentation: Jaggumantri, Spandana, et al. "Designing an Interface to Support the Creation of Animations of Individual ASL Signs." Proceedings of the 6th Workshop on Sign Language Translation and Avatar Technology. Satellite workshop of the 13th conference of Theoretical Issues in Sign Language Research (TISLR13). Ed. NA. Hamburg, Germany: n.p., *.

Peer Reviewed/Juried Poster Presentation: Alonzo, Oliver, et al. "Adapting Reading-Assistance and Automatic Text-Simplification Tools to Assist Self-Directed Learning by Deaf and Hard-of-Hearing Computing Workers." Proceedings of the National Science Foundation CyberLearning 2019 Conference. Ed. NA. Washington, DC: n.p., £.

Invited Article/Publication: Kafle, Sushant and Matt Huenerfauth. "Usability Evaluation of Captions for People who are Deaf or Hard of Hearing." SIGACCESS Accessible Computing, 122, Article 1 (October 2018). (2019). Web. Δ

Peer Reviewed/Juried Poster Presentation: Glasser, Abraham, Vaishnavi Mande, and Matt Huenerfauth. "Dataset of American Sign Language Personal-Assistant Interactions for Model Training." Proceedings of the RIT Graduate Education Week Showcase. Ed. NA. Rochester, NY: n.p., £.

Peer Reviewed/Juried Poster Presentation: Albusays, Khaled, Stephanie Ludi, and Matt Huenerfauth. "Evaluating the Use of Audio-based Feedback to Convey the Hierarchical Nesting Structure of Code to Assist Non-Visual Users." Proceedings of the RIT Graduate Education Week Showcase. Ed. NA. Rochester, NY: n.p., £.

Peer Reviewed/Juried Poster Presentation: Alonzo, Oliver, et al. "Adapting Automatic Text-Simplification Tools to Provide Reading Assistance for People who are Deaf or Hard of Hearing in Computing." Proceedings of the RIT Graduate Education Week Showcase. Ed. NA. Rochester, NY: n.p., £.

Peer Reviewed/Juried Poster Presentation:

Conn, Paula, et al. "Evaluating the Long-Term Impact of Accessibility Educational Interventions among Computing Undergraduates." Proceedings of the RIT Graduate Education Week Showcase. Ed. NA. Rochester, NY: n.p.. £

Peer Reviewed/Juried Poster Presentation:

Al-khazraji, Sedeeq and Matt Huenerfauth. "Building Predictive Models for Modeling Speed and Timing of American Sign Language to Generate Realistic Animations." Proceedings of the RIT Graduate Education Week Showcase. Ed. NA. Rochester, NY: n.p.. £

Peer Reviewed/Juried Poster Presentation:

Kafle, Sushant, et al. "Evaluating the Benefit of Highlighting Key Words in Captions for People who are Deaf or Hard-of-Hearing." Proceedings of the RIT Graduate Education Week Showcase. Ed. NA. Rochester, NY: n.p.. £

Jai W Kang, Associate Professor

Published Conference Proceedings: Kang, Jai W., et al. "Complementing Course Contents Between IT/CS: A Case Study on Database Courses." Proceedings of the ACM Special Interest Group in IT Education Conference (SIGITE'19), October 3-5, 2019. Ed. George Grispos and Daniel Bogaard. Tacoma, WA: ACM (Association for Computing Machinery), 2019. Web. «

Michael J McQuaid, Lecturer

Published Conference Proceedings: Mahapatra, Chandan, et al. "Barriers to End-User Designers of Augmented Fabrication." Proceedings of the CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2019), May 4-9, 2019, Glasgow, Scotland. Ed. Stephen Brewster. New York, NY: ACM Press, Web. «

Tae Oh, Associate Professor

Published Conference Proceedings: Suresh, Manu, Jag Parti, and Tae Oh. "Dynamic Sensor Orientation Prototype for the Intelligent Mobility Cane." Proceedings of the ACM ASSETS 2019. Ed. ACM. Pittsburgh, PA: ACM, 2019. Web. *

Published Conference Proceedings: Crowes, William and Tae Oh. "Network Analytics for Detecting Malware Activities in the Network Infrastructure." Proceedings of the IEEE International Conference on Software Security and Assurance (ICSSA 2019). Ed. IEEE. Piscataway, New Jersey: n.p., 2019. Web. *

Invited Keynote/Presentation: Oh, Tae. "IoT Solutions Using Artificial Intelligence." 2019 Global Technology Cooperation Forum. KEIT. Seoul, Korea. 10 Dec. 2019. Conference Presentation. Δ

Invited Article/Publication: Pariti, Tae Oh and Jag. "Intelligent Mobility Cane Haptic Notification System." KOCSEA. (2019). Print. £

Invited Article/Publication: Jeong, J., et al. "IPWAVE Security and Privacy for IP-Based Vehicular Networks." IETF- draft-jeong-ipwave-security-privacy-00. (2019). Web. £ ~

Invited Article/Publication: Jeong, J., et al. "IP-WAVE Working Group: IP Wirelss Access in Vehicular Environments (IPWAVE): Problem Statement and Use Cases." IETF- draft-ietf-ipwave-vehicular-networking-08. (2019). Web. £ ~

Invited Keynote/Presentation: Oh, Tae. "Telecommunication Trend in US." KTAG Conference. KTAG. Fairfax, Maryland. 15 Nov. 2019. Conference Presentation. ≠

Invited Keynote/Presentation: Oh, Tae. "IoT Security Research Collaboration." ETRI Research Symposium. ETRI. Daejeon, Korea. 15 Dec. 2019. Guest Lecture. ≠

Invited Keynote/Presentation: Oh, Tae. "HCI Research in Intelligent Mobility Cane." SKKU Workshop. SKKU. Suwon, Korea. 16 Dec. 2019. Guest Lecture. ≠

Kristen Shinohara, Assistant Professor

Peer Reviewed/Juried Poster Presentation:

Zolyomi, Annuska, Taylor Gotfrid, and Kristen Shinohara. "Socializing via a Scarf: Individuals with Intellectual and Developmental Disabilities Explore Smart Textiles." Proceedings of the CHI Conference on Human Factors in Computing, May 2019, Glasgow, Scotland. Ed. ACM. New York, New York: ACM. *

Garreth Tigwell

Peer Reviewed/Juried Poster Presentation:

Menzies, Rachel, et al. "Weaving Accessibility Through an Undergraduate Degree." Proceedings of the 21st International ACM SIGACCESS Conference on Computers and Accessibility. Ed. Jeffrey P. Bigham. New York, New York: ACM. *

Published Conference Proceedings: Gleason, Cole, et al. "Addressing the Accessibility of Social Media." Proceedings of the 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing. Ed. Eric Gilbert and Karrie Karahalios. New York, New York: ACM, 2019. Web. *

Ronald P Vullo, Associate Professor

Published Conference Proceedings: Ph.D., Ronald P. Vullo,, Christopher A. Egert, Ph.D, and Andrew Phelps, M.S. "MARLi - Molly Alternate Realities Language interactive: A New XML Markup Language for Defining Virtual and Augmented Reality." Proceedings of the International Conference on Internet Computing and Internet of Things, Las Vegas, NV (August, 2019). Ed. Hamid R. Arabnia, Leonidas Deligiannidis, Fernando G. Tinetti. Las Vegas, NV: CSREA Press, 2019. Print. *

Qi Yu, Associate Professor

Journal Paper: Wang, Hongbing, Shunshun Peng, and Qi Yu. "A Parallel Refined Probabilistic Approach for QoS-aware Service Composition." Future Generation Computer Systems 98. (2019): 609-626. Print. *

Journal Paper: Wang, Hongbing, et al. "A Motifs-based Maximum Entropy Markov Model for Realtime Reliability Prediction in System of Systems." Journal of Systems and Software 151. (2019): 180-193. Print. *

Journal Paper: Wang, Hongbing, et al. "Personalized Service Selection Using Conditional Preference Networks." Knowledge Based Systems 164. (2019): 292-308. Print. *

Journal Paper: Wang, Hongbing, et al. "Adaptive and large-scale service composition based on deep reinforcement learning." Knowledge Based Systems 180. (2019): 75-90. Print. *

Journal Paper: Wang, Hongbing, et al. "Learning the Evolution Regularities for BigService-Oriented Online Reliability Prediction." IEEE Transactions on Services Computing 12. 3 (2019): 398-411. Web. *

Journal Paper: Lima, Eduardo, et al. "Integrating Multi-level Tag Recommendation with External Knowledge Bases for Automatic Question Answering." ACM Transactions on Internet Technology 19. 3 (2019): 34:1-34:22. Print. *

Published Conference Proceedings: Kang, Jai W., et al. "Complementing Course Contents Between IT/CS: A Case Study on Database Courses." Proceedings of the SIGITE Conference. Ed. Bryan S. Goda, et al. Tacoma, WA: ACM, Web. «

Journal Paper: KC, Kishan, et al. "GNE: A Deep Learning Framework for Gene Network Inference by Aggregating Biological Information." BMC Systems Biology 13. (2019): 38:1-38:14. Web. *

Published Conference Proceedings: Alshangiti, Moayad, et al. "Why is Developing Machine Learning Applications Challenging? A Study on Stack Overflow Posts." Proceedings of the ACM/IEEE International Symposium on Empirical Software Engineering and Measurement. Ed. N/A. Porto de Galinhas, Recife: IEEE, Web. «

Published Conference Proceedings: Shi, Wei-shi and Qi Yu. "Fast Direct Search in an Optimally Compressed Continuous Target Space for Efficient Multi-Label Active Learning." Proceedings of the Proceedings of the 36th International Conference on Machine Learning (ICML). Ed. Kamalika Chaudhuri and Ruslan Salakhutdinov. Long Beach, CA: PMLR, Web. *

Published Conference Proceedings: Shi, Wei-shi and Qi Yu. "Integrating Bayesian and Discriminative Sparse Kernel Machines for Multi-class Active Learning." Proceedings of the Advances in Neural Information Processing Systems 32 (NIPS 2019) pre-proceedings. Ed. N/A. Vancouver, Canada: n.p., Web. *

School of Interactive Games and Media

Carlos Castellanos

Published Conference Proceedings: Castellanos, Carlos. "Un/Green Agency: Human-Non-Human Relations in New Media Art." Proceedings of the 4th Open Fields Conference on Art-Science Research. Ed. Raitis SMITS, Rasa SMITE and Jens HAUSER. Riga, Latvia: n.p., 2020. Web. *

Published Conference Proceedings: Castellanos, Carlos. "Microbial Sonorities." Proceedings of the Art Machines: International Symposium on Computational Media Art. Ed. Richard William Allen. Hong Kong, Hong Kong: School of Creative Media, City University of Hong Kong, 2019. Print. «

Shows/Exhibits/Installations: Castellanos, Carlos and Bello Bello. ISEA2019, International Symposium on Electronic Art, Asia Culture Center Residency, Gwangju, South Korea. May 2019. Asia Culture Center, Gwangju, South Korea. Installation. *

Shows/Exhibits/Installations: Castellanos, Carlos and Bello Bello. PlantConnect. May 2019. Asia Culture Center, Gwangju, South Korea. Installation. *

Invited Keynote/Presentation: Castellanos, Carlos. "Human-Nonhuman Relations in New Media Art." ACC Lecture Series. Asia Culture Center. Gwangju, South Korea. 23 May 2019. Guest Lecture.

Invited Keynote/Presentation: Castellanos, Carlos. "PlantConnect - ACC Creators in Lab." International Symposium on Electronic Art (ISEA 2019). Asia Culture Center. Gwangju, South Korea. 23 Jun. 2019. Guest Lecture. *

Published Conference Proceedings: Levy, Ellen, et al. "Life, Agency & Ecology: Aesthetics of Human-Nonhuman Encounters in Environmental and Biological Art." Proceedings of the College Art Association Annual Conference. Ed. Jim Hopsfensperger and Hunter O'Hanian. New York, NY: n.p., 2019. Print. *

Christopher Egert, Associate Professor

Published Conference Proceedings: Decker, Adrienne, Christopher Egert, and Andrew Phelps. "Learning to Create or Creating to Learn." Proceedings of the Meaningful Play Proceedings 2018. Ed. R. Ratan, B. Winn, and E. LaPensée. Pittsburg, PA: Carnegie Mellon University: ETC Press, Print. *

Peer Reviewed/Juried Poster Presentation: Egert, Christopher. "Game Engines Construction to Motivate Computing Concepts: Build from Scratch or Leverage Existing Systems." Proceedings of the Proceedings of the 50th ACM Technical Symposium on Computer Science Education. Ed. -. Minneapolis, MN: ACM Press. *

Published Conference Proceedings: Egert, Christopher and Andrew Phelps. "Tenure and Promotion in the Next Era of Game Design and Development Programs: Some Thoughts and Observations." Proceedings of the 14th International Conference on the Foundations of Digital Games. San Luis Obispo, CA: ACM Press, Web. *

Invited Keynote/Presentation: Egert, Christopher. "Physical Spaces to Support Virtual Places: Considerations for Constructing Facilities and Infrastructure for Virtual Reality Development." Building and Supporting Augmented and Virtual Reality Makerspaces. University at Buffalo Libraries. Buffalo, NY. 29 Apr. 2019. Conference Presentation.

Published Conference Proceedings: Vullo, Ronald, Christopher Egert, and Andrew Phelps. "MARLi—Molly Alternate Realities Language interactive: A New XML Markup Language for Defining Virtual and Augmented Reality." Proceedings of the 2019 International Conference on Internet Computing & Internet of Things. Las Vegas, NV: n.p., Web. *

Owen A Gottlieb, Assistant Professor

Shows/Exhibits/Installations: Gottlieb, Owen and Ian Schreiber. Feature Game, Lost & Found: Order in the Court, nominated Tabletop Spotlight. 10-12 Oct. 2019. Indiecade 2019, Nominated Tabletop Spotlight, Santa Monica, CA. Installation. ~

Shows/Exhibits/Installations: Gottlieb, Owen and Ian Schreiber. Official Selection, Lost & Found: Order in the Court. 7 Dec. 2019. Open World Arcade, Akron Art Museum, Akron, OH. Installation. ~

Shows/Exhibits/Installations: Gottlieb, Owen and Ian Schreiber. Now Play This Festival, London (official selection). 6-14 Apr. 2019. Somerset House, London. Exhibit. £

Invited Keynote/Presentation: Gottlieb, Owen. "Decolonizing Board Games: Designing Learning Games for Teaching Comparative Religion (Electronic Poster/Lightning Talk)." HASTAC 2019. Unceded Musqueam Territory University of British Columbia. Vancouver, CA. 17 May 2019. Conference Presentation. *

Invited Keynote/Presentation: Gottlieb, Owen. "Lost & Found: Teaching Prosocial Aspects of Religious Legal Systems (Games and Research Showcase)." Games + Communications Ante-Conference. American University. Washington D.C., District of Columbia. 24 May 2019. Conference Presentation. ~

Invited Keynote/Presentation: Gottlieb, Owen. "Teaching Prosocial Religious Laws. Part of "Project Briefs: Your Games is Our Textbook." Games for Change Festival. Games for Change. New York, New York. 19 Jun. 2019. Conference Presentation. *

Invited Keynote/Presentation: Gottlieb, Owen. "Inside the Design: Creating a Game Series about 12th Century Religious Law." Teach, Play, Learn. Indiana University South Bend. South Bend, Indiana. 11 Jun. 2019. Conference Presentation. *

Invited Keynote/Presentation: Gottlieb, Owen. "Alumni Storytelling Roundtable." Dartmouth College 250th Anniversary Celebration. Dartmouth College. Hanover, NH. 14-16 Nov. 2019. Address.

Published Conference Proceedings: Gottlieb, Owen. "The Lost & Found Game Series: Teaching Medieval Religious Law in Context." Proceedings of the Connected Learning Summit. Ed. Jeremiah Remi Kalir. Pittsburgh, PA: ETC Press, 2019. Web. *

Book Chapter: Gottlieb, Owen. "Jewish Time Jump New York [Featured Game]." Jewish Time Jump New York [Featured Game] in book Learning, Education & Games, Volume 3: 100 Games to Use in the Classroom and Beyond. Pittsburgh, PA: ETC Press, 2019. 200-205. Print. *

Jay Alan Jackson, Associate Professor

Published Conference Proceedings: Jackson, Jay Alan. "How to Train Your Robotic Sea Turtle]-Close Encounters of the mth Kind." Proceedings of the Wolfram Technology Conference 2019. Ed. Wolfram Research. Champaign, IL: n.p., 2019. Web. £

Chao Peng

Published Conference Proceedings: Diliberti, Nicholas, et al. "Real-Time Gesture Recognition Using 3D Sensory Data and a Light Convolutional Neural Network." Proceedings of the 27th ACM International Conference on Multimedia. Ed. MM'19. Nice, France: ACM, 2019. Print. «

Journal Paper: Dong, Yangzi and Chao Peng. "Real-Time Large Crowd Rendering with Efficient Character and Instance Management on GPU." International Journal of Computer Games Technology, Volume 2019, Article ID 1792304. (2019): 15 pages. Web. *

Published Conference Proceedings: Dong, Yangzi and Chao Peng. "Screen Partitioning Load Balancing for Parallel Rendering on a Multi-GPU Multi-Display Workstation." Proceedings of the Eurographics Symposium on Parallel Graphics and Visualization. Ed. H. Childs and S. Frey. Porto, Portugal: The EuroGraphics Association, 2019. Web. «

External Scholarly Fellowships/National Review Committee:

10/1/2019 -
9/30/2020
DOD
Amount: \$80000
≠

External Scholarly Fellowships/National Review Committee:

8/13/2019 -
1/31/2020
NSF
Amount: \$7965
≠

Published Conference Proceedings: Hansberger, Jeffery T., et al. "A Multimodal Interface for Virtual Information Environments." Proceedings of the International Conference on Human-Computer Interaction. Ed. Jessie Y. C. Chen and Gino Fragnomeni. Orlando, FL: Springer, 2019. Print. «

Published Conference Proceedings: Cao, Lizhou, Chao Peng, and Jeffery T. Hansberger. "A Large Curved Display System in Virtual Reality for Immersive Data Interaction." Proceedings of the 2019 IEEE Games, Entertainment, Media Conference. Ed. GEM'19. New Haven, CT: IEEE, 2019. Web. «

Journal Paper: Cao, Lizhou, Chao Peng, and Jeffery T. Hansberger. "Usability and Engagement Study for a Serious Virtual Reality Game of Lunar Exploration Missions." Journal of Informatics 6. 4 (2019): Article ID 44. Web. *

Journal Paper: Gurung, Iksha, et al. "Deep Feature Extraction and its Application for Hailstorm Detection in a Large Collection of Radar Images." Signal, Image and Video Processing 13. 3 (2019): 541-549. Print. *

Shows/Exhibits/Installations: Cao, Lizhou. Ellic's Exercise Class: an Active VR Game for Fitness. 22 Nov. 2019. Game Demo on the 4th Annual Frameless Symposium at MAGIC, Rochester. Installation. ~

Shows/Exhibits/Installations: Cao, Lizhou. Lunar Roving Adventure: A Serious VR Game of Lunar Exploration Missions. By Yangzi Dong and Chao Peng. 22 Nov. 2019. Game Demo on the 4th Annual Frameless Symposium at MAGIC, Rochester. Installation. ~

Brian Tomaszewski, Associate Professor

Published Conference Proceedings: Wolters, Madeline, Alexandra Leader, and Brian Tomaszewski. "A sub-National Investigation of the Geographic Information Capacity (GIC) Profile for Disaster Risk Reduction (DRR)." Proceedings of the American Association of Geographers Annual Meeting. Ed. AAG. Washington, D.C.: n.p., 2019. Web.

Published Conference Proceedings: Tomaszewski, Brian. "Mapping Refugee Camp Economies in Rwanda." Proceedings of the Africa GIS. Ed. University of Rwanda. Kigali, Rwanda: n.p., 2019. Web.

Invited Article/Publication: Tomaszewski, Brian. "Helping Syrian refugees share their stories with Esri Story Maps." Story Maps Community. (2019). Web. ^

Journal Paper: Sherbinin, Alex de, et al. "Climate vulnerability mapping: A Systematic Review and Future Prospects." Wiley Interdisciplinary Reviews: Climate Change 10. 5 (2019): 1-20. Web. «

Published Conference Proceedings: Moore, Elizabeth, et al. "Geospatial Analysis of Electric Vehicle Battery Re-Use Pathways for Urban Resilience and Disaster Preparedness." Proceedings of the American Association of Geographers Annual Meeting. Ed. AAG. Washington, DC: n.p., 2019. Web. «

Published Conference Proceedings: Moore, Elizabeth, et al. "End-of-Vehicle Circular Economy Strategy: Secondary Lithium-ion Battery Deployment for Urban Resilience." Proceedings of the A Climate for Change: Engineering Sustainability Conference. Ed. Pitt.edu. Pittsburgh, PA: n.p., 2019. Web. *

Published Conference Proceedings: Leader, Alexandra, et al. "Geographic Information Capacity Profile for Disaster Risk Reduction." Proceedings of the Association of American Geographers Annual Conference. Ed. AAG. Washington, DC: n.p., 2019. Web.

Published Conference Proceedings: Desell, Travis, AbdElRahman ElSaid, and Alexander Ororbia. "An Empirical Exploration of Deep Recurrent Connections Using Neuro-Evolution." Proceedings of the 23rd International Conference on the Applications of Evolutionary Computation (EvoStar: EvoApps 2020. Ed. Unknown. n.p., Print. «

Published Conference Proceedings: Ororbia, Alexander, AbdElRahman ElSaid, and Travis Desell. "Investigating Recurrent Neural Network Memory Structures using Neuro-Evolution." Proceedings of the Genetic and Evolutionary Computation Conference (GECCO 2019). Ed. Unknown. n.p., Print. «

Published Conference Proceedings: ElSaid, AbdElRahman, et al. "Evolving Recurrent Neural Networks for Time Series Data Prediction of Coal Plant Parameters." Proceedings of the 22nd International Conference on the Applications of Evolutionary Computation (EvoStar: EvoApps 2019). Ed. Unknown. n.p., Print. «

Published Conference Proceedings: ElSaid, AbdElRahman, Daniel Krutz, and Travis Desell. "Is Adaptivity a Core Property of Intelligent Systems? It Depends." Proceedings of the 2019 IEEE/ACM 14th International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS). Ed. Unknown. n.p., Print. *

Software Engineering

Travis J Desell, Associate Professor

Journal Paper: Bowley, Connor, et al. "An Analysis of Altitude, Citizen Science and a Convolutional Neural Network Feedback Loop on Object Detection in Unmanned Aerial Systems." Journal of Computational Science 34. 19 (2019): 102-116. Print. * Δ

School for American Crafts

Andy Buck, Professor

Shows/Exhibits/Installations: Buck, Andy.
World Wood Day. Mar. 2019. Open Air Museum,
Graz, Austria. Exhibit. ≠

Shows/Exhibits/Installations: Buck, Andy. Solo
Exhibition, "Receipt". Feb. 2019. Patton-Mallott
Gallery, Anderson Ranch Art Center, Snowmass/
Aspen. Exhibit.

Shows/Exhibits/Installations: Buck, Andy.
Bauhaus Seen. Jun. 2019. Carbondale Arts,
Carbondale, CO. Exhibit.

Shows/Exhibits/Installations: Buck, Andy.
66th Rochester Finger Lakes Exhibition. Jul.
2019. Memorial Art Gallery, Rochester. Exhibit.

Shows/Exhibits/Installations: Buck, Andy.
Featured Artist. May 2019. Arbor Tech Tools,
Rochester. Exhibit. ^

National/International Competition Award
Winner: Buck, Andy. Memorial Art Gallery. Edler
Louis D\Amanda Award. Rochester, New York,
2019. £ ≠

Museum Collection Acquisition: Buck, Andy.
Seeing Spots. Wood, Paint. Racine Museum of
Art. (2019). £

Museum Collection Acquisition: Buck, Andy.
"Hampelmann". Wood, Paint. International Wood
Culture Society. (2019). £

Peter J Pincus, Assistant Professor

Shows/Exhibits/Installations: Pincus, Peter.
On Differentiation and Affinity. Mar. 2019. Pew-
abic Pottery, Detroit. Exhibit. ~

Shows/Exhibits/Installations: Pincus, Peter.
Chroma. 1 Jun. 2019. American Museum of
Ceramic Art, Pomona, CA. Exhibit. ~

Shows/Exhibits/Installations: Pincus, Peter.
Peter Pincus. May 2019. Duane Reed Gallery,
St. Louis, MO. Exhibit. ~

Shows/Exhibits/Installations: Pincus, Peter.
All That's Gold Does Glitter. Jun. 2019. Sans
Casino, Macao, China. Exhibit. ~

Shows/Exhibits/Installations: Pincus, Peter.
The Diana Reitberger Collection. Feb. 2019.
Gardiner Museum, Toronto, Canada. Exhibit. ~

Shows/Exhibits/Installations: Pincus, Pe-
ter. Old Church Pottery Show. Dec. 2019. Art
School at Old Church, Demarest, NJ. Exhibit. ~

Shows/Exhibits/Installations: Pincus, Peter.
Represented by Duane Reed Gallery. Jun.
2019. Art Aspen, Aspen, CO. Exhibit. ~

Museum Collection Acquisition: Pincus, Peter.
Calyx Kraters. Colored porcelain, gold luster.
Birmingham Museum of Art. (2019). *

Museum Collection Acquisition: Pincus, Peter.
A Study of Transparency. Colored porcelain,
gold luster. American Museum of Ceramic Art.
(2019). ~

David A Schnuckel, Assistant Professor

Shows/Exhibits/Installations: Schnuckel,
David. Acquiesce. 14 Feb. 2019. Appalachian
Center for Craft, Smithville, TN. Exhibit. ~

Shows/Exhibits/Installations: Schnuckel,
David. Acquiesce. 14 Feb. 2019. Appalachian
Center for Craft, Smithville, TN. Exhibit. ~

Shows/Exhibits/Installations: Schnuckel, David. Acquiesce. 14 Feb. 2019. Appalachian Center for Craft, Smithville, TN. Exhibit. ~

Shows/Exhibits/Installations: Schnuckel, David. Visions in Glass. 9 Mar. 2019. Morean Art Center, St. Petersburg, FL. Exhibit. *

Shows/Exhibits/Installations: Schnuckel, David. Just Folks. 1 Mar. 2019. RIT City Art Space, Rochester, NY. Exhibit. Δ

Shows/Exhibits/Installations: Schnuckel, David. r e | v e r b. 6 Sep. 2019. RIT City Art Space, ROCHESTER, NY. Exhibit. ~

Shows/Exhibits/Installations: Schnuckel, David. CAD Faculty Exhibition. 5 Sep. 2019. William Harris Gallery, Rochester, NY. Exhibit. Δ

Invited Article/Publication: Schnuckel, David. "Cartograph." International Biennale of Glass Catalog. (2019). Print. ~

Invited Article/Publication: Schnuckel, David. "Guerilla Visual Tactics." GASnews, Vol.29, Issue 4. (2019). Web. ~

Full Length Book: Schnuckel, David, et al. G L A S S O G R A P H Y : the Journal. Volume 2 ed. Rochester, NY: Lulu xPress, 2019. Print. ~

Museum Collection Acquisition: Schnuckel, David, et al. G L A S S O G R A P H Y : the Journal, Volume 2. Published writing. The Rakow Research Library of The Corning Museum of Glass. (2019). ~

Museum Collection Acquisition: Schnuckel, David, et al. G L A S S O G R A P H Y : the Journal, Volume 2. Published writing. The Pilchuck Glass School. (2019). ~

Invited Keynote/Presentation: Schnuckel, David. "G L A S S O G R A P H Y 2." Medium Matters. The Pilchuck Glass School. Stanwood, WA. 7 Jun. 2019. Lecture. ~

Invited Keynote/Presentation: Schnuckel, David. "Glassolalia." Session 4. Haystack Mountain School of Crafts. Deer Isle, ME. 28 Jul. 2019. Lecture. ~

National/International Competition Award Winner: Schnuckel, David. Glass Art Society. Top Three. St. Petersburg, Florida, 2019. *

Invited Keynote/Presentation: Schnuckel, David. "Gallery Talk." Just Folks Exhibition. RIT City Art Space. Rochester, NY. 23 Mar. 2019. Address. Δ

Invited Keynote/Presentation: Schnuckel, David. "Word Usage." 58th Annual Seminar on Glass. The Corning Museum of Glass. Corning, NY. 18 Oct. 2019. Address. Δ

Jane M Shellenbarger, Associate Professor

Shows/Exhibits/Installations: Shellenbarger, Jane. The Persistence of the Mingei: Influence Through Four Generations of Ceramic Artists. 23 Mar. 2019. Weisman Art Museum, Minneapolis, MN. Exhibit. Δ

Shows/Exhibits/Installations: Shellenbarger, Jane. St. Croix Pottery Tour, Hosted by Linda Christianson. 10,11,12 Dec. 2019. St Croix Pottery Tour, Lindstrom, MN. Performance.

Museum Collection Acquisition: Shellenbarger, Jane. "Square Box", Porcelain square covered container. Ceramics. Weisman Art Museum. (2019).

Shows/Exhibits/Installations: Shellenbarger, Jane. Past Presenter Exhibition. Jul. 2016. Exhibits associated with UCVII: Celebrate the Object Conference and Symposium, Arrowmont School of Crafts, Gatlinburg, TN. Exhibit.

Shows/Exhibits/Installations: Shellenbarger, Jane. Two, A Group Exhibition. Jan. 2016. Gallery San Bao, San Bao Ceramic Art Village Museum, Jingdezhen, China. Exhibit.

Featured Faculty

IN LATE 2019, SHAUN FOSTER RECEIVED A \$160,000 MEGAGRANT FROM EPIC GAMES, THE VIDEO-GAME DEVELOPER BEHIND FORTNITE AND OTHER POPULAR TITLES. FOSTER, ASSOCIATE PROFESSOR AND UNDERGRADUATE PROGRAM DIRECTOR OF 3D DIGITAL DESIGN AT RIT, HOLDS NEARLY 20 YEARS OF EXPERIENCE IN 3D GRAPHICS AND INTERACTIVE EDUCATION DESIGN.

For this sponsored research, Foster is exploring Epic Games' Unreal Engine software to develop cross-disciplinary excellence of real-time 3D graphics across RIT, promote collaboration and produce a free online 16-week course with tutorials to accelerate the knowledge of RIT's incoming and current students.

Foster's research is focused on the exciting nature of how learning, creating and designing with next-generation technology is dramatically changing the nature of 3D gaming graphics as well as the teaching process. His previous cross-disciplinary work using augmented and virtual reality has started to combine with mixed reality (XR) — which uses additional sensors and electronics — to enhance the tactile and immersive feel to simulations.

Foster's multidisciplinary approach and early adoption of Epic Games' Unreal Engine is expanding the software's possibilities in various areas at RIT. Working with multidisciplinary teams of students, he is developing a better understanding of Unreal Engine and its advanced workflows and ability to provide real-time feedback. His work is allowing the versatile software to be leveraged as a central tool for interactive visualization, next-generation filmmaking and training in many fields, including: medical, VR historical simulation/visualizations, interior and industrial design, virtual production, urban planning, geographic information systems, GIS and user UI/UX/HCI (human computer interaction).

Foster is also furthering the synergy between the 3D Digital Design program and the MAGIC Center to integrate his research in and beyond RIT's College of Art and Design. He is dedicated to bringing this cross-disciplinary learning approach to all corners of campus as well as teaching the next generation of students who will continuously lead, learn and innovate in the future.

Shaun Foster
Assistant Professor
RIT College of Art and Design

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ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Shows/Exhibits/Installations: Shellenbarger, Jane. Clay Currents. 12 Sep. 2019. Ulrich Museum Of Art, Wichita, KS. Exhibit.

Shows/Exhibits/Installations: Shellenbarger, Jane. Yunomi 2019. 7 Jun. 2019. Akar Gallery, Iowa City, IA. Exhibit.

Shows/Exhibits/Installations: Shellenbarger, Jane. Structurally Sound. 10,11,12 Dec. 2019. Schaller Gallery, Benton Harbor, MI. Exhibit. ~

School of Art

Michael Amy, Professor

Published Review: Amy, Michaël. "Review of: Florentiner Malerei: Alte Pinakothek: Die Gemälde des 14. bis 16. Jahrhunderts." Rev. of Florentiner Malerei: Alte Pinakothek: Die Gemälde des 14. bis 16. Jahrhunderts, eds. Andreas Schumacher, Annette Kranz, and Annette Hojer. Renaissance Quarterly 15 Jul. 2019: 602-604. Print. Δ

Invited Article/Publication: Amy, Michaël. "Cathy Wilkes: Ugly Archetypes." Sculpture. (2019). Print. Δ

Invited Article/Publication: Amy, Michaël. "Cultivating Dualities: A Conversation with Li Hongwei." Sculpture. (2019). Web. ^

Elizabeth Kronfield, Professor

Invited Keynote/Presentation: Kronfeld, Elizabeth. "Keynote Address." National Conference on Contemporary Cast Iron Art and Practices. Sloss Metal Arts, Sloss Furnaces. Birmingham, AL. 5 Apr. 2109. Keynote Speech.

Shows/Exhibits/Installations: Kronfield, Elizabeth. Juried Exhibition, Cope, Drag, Core. 5 Apr. 2109. Back 40 Warehouse, Birmingham, AL. Exhibit. «

Shows/Exhibits/Installations: Kronfield, Elizabeth. Juried Exhibition, Abraham Darby's Childhood Toys. 5 Apr. 2019. Back 40 Warehouse, Birmingham, AL. Exhibit. «

Suzanne Peck

Shows/Exhibits/Installations: Peck, Suzanne. Re|Verb. 6 Sep. 2019. RIT City Art Space, Rochester. Exhibit.

Shows/Exhibits/Installations: Peck, Suzanne. Let Them Eat Cake (exhibit), Peep Show (artwork title). 24 Oct. 2019. Baron and Ellin Gordon Gallery, Norfolk, VA. Exhibit.

Museum Collection Acquisition: Donnellan, Suzanne Peck and Karen. Blow Harder: Alternative Lexicons for the Hot Shop. Social Practice, Etymology, Language, Inkjet Print on Paper. Corning Museum of Glass. (2019).

Lauren Ramich, Lecturer

Invited Keynote/Presentation: Ramich, Lauren Maines. "Art Education Higher Education Roundtable." New York State Art Teachers Association Annual Conference. New York State Art Teachers Association (NYSATA Region II). Binghamton, NY. 22 Nov. 2019. Conference Presentation.

Alan D Singer, Professor

Published Review: Rafferty, Rebecca. "Alan Singer Presents \"Shapely\" art Axom Gallery." Rev. of Color of Thought, by Mary Ann Towler. City Newspaper 19 Feb. 2019: 16. Print.

Sarah E Thompson, Associate Professor

Book Chapter: Thompson, Sarah. "The Power of Absence: The Missing North Tower at Saint-Denis." The Long Lives of Medieval Art and Architecture. Ed. Sarah Thompson and Jennifer Feltman. Abingdon, Oxon: Routledge, 2019. 297-316. Print. «

Published Review: Thompson, Sarah. Rev. of The Lithic Garden: Nature and the Transformation of the Medieval Church, by Mailan S. Doquang. The Medieval Review 11 Aug. 2019: 19.08.11. Web. £

Invited Keynote/Presentation: Thompson, Sarah. "Between Materiality and Ephemerality: Popular Representations of Gothic Architecture in the Late 18th Century." International Medieval Congress. University of Leeds. Leeds, UK. 1 Jun. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Thompson, Sarah. "Expanding the Temporal Frame at Notre-Dame d'Étampes." Sewanee Medieval Colloquium. University of the South. Sewanee, TN. 12 Apr. 2019. Conference Presentation. £

Invited Keynote/Presentation: Thompson, Sarah. "Parish Rivalry in Medieval Étampes." International Congress on Medieval Studies. Western Michigan University. Kalamazoo, MI. 11 May 2019. Conference Presentation. £

School of Design

Rebecca A Aloisio, Lecturer

Shows/Exhibits/Installations: Aloisio, Rebecca. Z Axis. Nov. 2019. University of Rochester, Rochester NY. Exhibit.

Shows/Exhibits/Installations: Aloisio, Rebecca. Solo Exhibition. Jan. 2019. Hallwalls Contemporary Arts Center, Buffalo NY. Exhibit.

Shows/Exhibits/Installations: Aloisio, Rebecca. Stratum. Jan. 2019. Nazareth College, Rochester NY. Exhibit.

Shows/Exhibits/Installations: Aloisio, Rebecca and Group Exhibition. No Basement at the Alamo. Jul. 2019. Cleveland Institute of Art, Cleveland OH. Exhibit. *

Deborah A Beardslee, Associate Professor

Shows/Exhibits/Installations: Beardslee, Deborah. Expectations. n.d. Main Street Arts Gallery, Clifton Springs, NY. Exhibit. £

Shows/Exhibits/Installations: Beardslee, Deborah. Ruminations. n.d. Rochester Contemporary Art Center, Rochester, NY. Exhibit.

Shows/Exhibits/Installations: Beardslee, Deborah. Expectations. n.d. RIT Bevier Gallery, Rochester. Exhibit.

Miguel A Cardona, Assistant Professor

Invited Keynote/Presentation: Cardona, Miguel. "Ethical Considerations of Micro-Decisions and Intentionality in Design." ITX UX 2019: Beyond the Pixels. ITX. Rochester, NY. 5 Oct. 2019. Keynote Speech.

Invited Keynote/Presentation: Cardona, Miguel. "Industry Inspired Innovation in Design Education." Pearson Next/Now in Learning. Pearson. Scottsdale, Arizona. 24 Apr. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Cardona, Miguel and Hye Jin Nae. "Stealing Bubblegum: Design Ethics and Intentionality." FITC Spotlight: Design Ethics. FITC. Toronto, Ontario. 21 Oct. 2019. Conference Presentation. ~

Shows/Exhibits/Installations: Cardona, Miguel. Love is Universal Banner Diptych. By Miguel Cardona, et al. 28 Mar. 2019. Morgantown, West Virginia. Installation. £

Shows/Exhibits/Installations: Cardona, Miguel. Fertile Ground Vol.1 Just Visiting. By Kathryn Mariner and Miguel Cardona. 1 Oct. 2019. Community Design Center Rochester Design Gallery, Rochester. Exhibit. ~

Invited Keynote/Presentation: Cardona, Miguel. "The User is the Hero: Understanding the Role Storytelling in Product Innovation." IDSA Northeast District Design Conference 2018. IDSA (Industrial Designers Society of America). Rochester, NY. 14 Apr. 2018. Conference Presentation.

Invited Keynote/Presentation: Cardona, Miguel and Hye Jin Nae. "Digital Literacy and Capacity Building to Counter Extremist Narratives." Digital Forum on Terrorism Prevention 2019. Carnegie Mellon University. Pittsburgh, PA. 11 Sep. 2019. Conference Presentation. ≠

Invited Article/Publication: Cardona, Miguel, Sean Flaherty, and Paul Gebel. "The Significance of Contributive Design." Product Momentum Podcast. (2020). Web. ^

Keli DiRisio, Assistant Professor

Invited Keynote/Presentation: DiRisio, Keli. "The Career Shift from Graphic Design to UX/UI." HCIO Event. Oswego State University. Oswego, NY. 10 Oct. 2019. Lecture.

Invited Keynote/Presentation: DiRisio, Keli. "When Assumptions Get in the Way." UCDA DESIGN EDUCATION SUMMIT: COLLABORATE. UCDA. Johnson City, TN. 20 May 2019. Conference Presentation. *

Invited Keynote/Presentation: DiRisio, Keli. "When Assumptions Get in the Way." AIGA Access Now: Will You Be My Ally? AIGA. Syracuse, NY. 14 Sep. 2029. Lecture. ~

Shaun C Foster, Associate Professor

National/International Competition Award Winner: Foster, Shaun. Epic Games. Epic Mega Grant. Rochester, NY, 2019. £ ≠

Published Conference Proceedings: Foster, Shaun and Ihab Mardini. "Cross Disciplinary Virtual Reality for Lighting and Composition (November Update)." Proceedings of the Frameless Labs 2019. Ed. Frameless Labs. Rochester, NY: n.p., Web. «

Published Conference Proceedings: Foster, Shaun. "Wind, Light and Seating Xperience (XR)." Proceedings of the Framless Labs, Rochester, NY 2019. Ed. Framless Labs. Rochester, NY: Frameless Labs, Web. «

Chris Jackson, Professor

Book Chapter: Peres, Michael, et al. "About the Images from Science 3 Project." Images from Science 3. Rochester, NY: RIT Press, 2019. 4-7. Print.

Lorraine Justice, Professor

Full Length Book: Justice, Lorraine. The Future of Design. 1 ed. Boston, MA: Nicholas Brealey/Hachette, 2019. Print. *

Invited Article/Publication: Justice, Lorraine. "The Future of Design Education." Design Management Institute Journal. (2019). Print. Δ

Alex Lobos, Associate Professor

Published Conference Proceedings: Lobos, Alex, Stan Rickel, and Felipe Castañeda. "Tangible sketching with 3D printing." Proceedings of the International Design Conference and; Education Symposium. Ed. IDSA. Chicago, IL: n.p., 2019. Web. *

Published Conference Proceedings: Lobos, Alex. "Applying Generative Systems to Product Design." Proceedings of the Generative Art Conference, Italy. Ed. Celestino Soddu and Enrica Colabella. Rome, Italy: n.p., 2019. Print. *

Published Conference Proceedings: Lobos, Alex and Keqing Song. "Innovative Designs and Procedural Patterns with Fusion 360 and Maya." Proceedings of the Autodesk University. Ed. Autodesk. Las Vegas, NV: n.p., 2019. Web. *

Published Conference Proceedings: Lobos, Alex. "Advanced Rendering in Fusion 360: Photorealistic Visual Storytelling." Proceedings of the Autodesk University. Ed. Autodesk. Las Vegas, NV: n.p., 2019. Web. *

Invited Keynote/Presentation: Lobos, Alex. "Digital Tangible." UFM Design Week. Universidad Francisco Marroquin. Guatemala, Guatemala. 15 Feb. 2019. Keynote Speech. Δ

Melissa D Moukperian, Assistant Professor

Published Conference Proceedings: Esteche, Andrea Gonzalez and Melissa Dawson. "Abramos lo Nuestro: Encouraging New Ideation with Traditional Paraguayan Textiles." Proceedings of the Cumulus Conference: The Design After, held October 30 – November 1, 2019 in Bogotá, Colombia. Ed. Hernando Barragán and Claudia Mejía. Bogotá, Colombia: Cumulus International Association of Universities and Colleges of Art, Design and Media, 2019. Web. *

Published Conference Proceedings: Dawson, Melissa. "UnWasted Possibilities: An Exploration in Product Design Using Felt Offcuts." Proceedings of the NETInc Conference 2019, held May 5-8, 2019 in Indianapolis, IN USA. Ed. PaperCon 2019. Indianapolis, IN: TAPPI Press, 2019. Web. *

Published Conference Proceedings: Dawson, Melissa and Mary Golden. "Abracito: Designing Skin-to-Skin Incubation Garments for Premies & Micro Premies." Proceedings of the 2019 International Textiles and Apparel Annual Conference. Ed. ITAA. Ames, Iowa: Iowa State University Library Digital Press, 2019. Web. «

Hye Jin Nae, Assistant Professor

Published Conference Proceedings: Nae, Hye-Jin. "Experience, Learn and Design to be Inclusive, Raise Awareness and Persuade in an Interdisciplinary Program." Proceedings of the AIGA National Design Conference, Design Education Symposium, April 4–6, 2019, Pasadena Convention Center, Pasadena, CA. Ed. The AIGA Design Educators Community (DEC). Pasadena, California: n.p., 2019. Print. « £

Invited Keynote/Presentation: Nae, Hye-Jin. "Experience, Learn and Design to be Inclusive, Raise Awareness and Persuade in an Interdisciplinary Program." AIGA National Design Conference, Design Education Symposium. AIGA (American Institute of Graphic Arts). Pasadena, CA. 5 Apr. 2019. Conference Presentation. « £

Invited Keynote/Presentation: Nae, Hye-Jin, et al. "On Human-Centered Design Panel Discussion." ITX UX 2019: Beyond the Pixels. ITX. Rochester, NY. 5 Oct. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Nae, Hye-Jin and Miguel Cardona. "Stealing Bubblegum: Design Ethics and Intentionality." FITC Spotlight: Design Ethics. FITC. Toronto, Ontario. 21 Oct. 2019. Conference Presentation. ~

Published Conference Proceedings: Nae, Hye-Jin and Miguel Cardona. "Stealing Bubblegum: Design Ethics and Intentionality." Proceedings of the FITC Spotlight: Design Ethics. Ed. FITC. Toronto, ON: n.p., 2019. Web. ~

Invited Keynote/Presentation: Nae, Hye-Jin and Miguel Cardona. "Digital Literacy and Capacity Building to Counter Extremist Narratives." Digital Forum on Terrorism Prevention. Carnegie Mellon University. Pittsburgh, PA. 11 Sep. 2019. Conference Presentation. £ ≠

Full Patent: Nae, Hye-Jin, et al. "Graphical User Interface for Computer Screen." U.S. Patent D612860. 20 Mar. 2010. £

Full Patent: Nae, Hye-Jin, et al. "Transitional Computer User Interface for a Display Screen." U.S. Patent D621850. 17 Aug. 2010. £

Marla Schweppe, Professor

Shows/Exhibits/Installations: Schweppe, Marla. ROC the Riverway. May 2019. High Falls Terrace Park, Rochester, NY. Performance.

Shows/Exhibits/Installations: Schweppe, Marla, Joe Geigel, and David Munnell. Alpollo. Apr. 2019. MAGIC Sound Stage, Rochester, NY. Performance.

Shows/Exhibits/Installations: Schweppe, Marla, Joe Geigel, and David Munnell. Alpollo. Apr. 2019. MAGIC Sound Stage, Rochester, NY. Performance.

Shows/Exhibits/Installations: Schweppe, Marla, Joe Geigel, and Zhongyuan "Grace" Fa. Unabridged Emotions. 2019. SUNY Brockport, RIT, Rochester. Performance.

Shows/Exhibits/Installations: Schweppe, Marla, Joe Geigel, and Kunal Shitut. S.M.O.O.C.H. Sep. 2019. Rochester Fringe Festival, Rochester, NY. Performance.

Shows/Exhibits/Installations: Schweppe, Marla, Joe Geigel, and Kunal Shitut. S.M.O.O.C.H. Nov. 2019. RIT Frameless, Rochester, NY. Exhibit.

School of Film and Animation

Ambarien Alqadar, Assistant Professor

National/International Competition Award

Winner: Alqadar, Ambarien. Sundance Film Festival. Sundance Screenwriters Lab. Park City, Utah, 2019.

National/International Competition Award

Winner: Alqadar, Ambarien. Women and Hollywood. Athena Lab Fellow. LA, California, 2019.

Jack A Beck, Associate Professor

Invited Keynote/Presentation: Beck, Jack. "Bressonian Method of "Complementarity": Guiding Tenets to Image/Sound Imbalance." UFVA Conference: Land of 10,000 Tales. Augsburg University. Minneapolis, MN. 1 Aug. 2019. Conference Presentation. *

Shows/Exhibits/Installations: Beck, Jack. Stari Grad (Old Town). n.d. Ninety-Seven Film Festivals to Date, 35 Countries, 9 Awards, several cities world-wide. Exhibit. * £

Mari J Blanchard, Assistant Professor

Shows/Exhibits/Installations: Blanchard, Mari Jaye. Mutoscope: Labor of Love. Jun. 2019. The Magenta Suite, Exeter. Installation. ~

Peer Reviewed/Juried Poster Presentation:

Blanchard, Mari Jaye. "Line of Action: The Two-Dimensional Line in Three Dimensional Space." Proceedings of the UFVA Conference 2019, Minneapolis, MN. Ed. Michael Clarke. Minneapolis, MN: n.p.. ~

Invited Keynote/Presentation: Blanchard, Mari Jaye. "The Animated Line in VR: Hand Drawn Animation Workshop." Anibar Animation Festival. Anibar. Peja, Kosovo. 16 Jul. 2019. Conference Presentation.

Ricardo R Figueroa, Associate Professor

Journal Paper: Figueroa, Ricardo and Rui Li. "Bayesian Methods for Radiometric Calibration in Motion Picture Encoding Workflows." SMPTE Motion Imaging Journal 128. 7 (2019): 25-30. Print. *

Thomas D Gasek, Associate Professor

Shows/Exhibits/Installations: Gasek, Tom. TRAIN. By Tom Gasek. 7 Sep. 2019. Martha's Vineyard, Vineyard Haven. Exhibit. *

Invited Article/Publication: Gasek, Tom. "Animation at the Jilin Institute." ASIFA East. (2019). Web. ^

Invited Keynote/Presentation: Gasek, Tom, et al. "The Value of Photographic Reality in the World of Animated Imagination." UFVA annual conference. UFVA. Minneapolis, MN. 31 Jul. 2019. Conference Presentation. *

Mark J Reisch, Assistant Professor

Invited Keynote/Presentation: Reisch, Mark. "Virtual Classrooms for Content Creation." Building and Supporting Augmented and Virtual Reality Makerspaces. University at Buffalo. Buffalo, NY. 29 Apr. 2019. Conference Presentation.

Shows/Exhibits/Installations: Blanchard, Mari Jaye, Mark Reisch, and Vicky Mejia Yepes. Swing. By Mari Jaye Blanchard. 22 Nov. 2019. Frameless Labs Symposium, Rochester, NY. Exhibit. *

School of Photographic Arts & Sciences

Ambarien Alqadar, Assistant Professor

National/International Competition Award

Winner: Alqadar, Ambarien. The Athena Film Festival. The Athena Screenwriters Lab. New York City, NY, 2019.

Christopher Bondy, Lecturer

National/International Competition Award

Winner: Bondy, Chris, et al. Foil and Specialty Effects Association (FSEA). Gold Leaf Award. Toronto, Ontario, 2019. ~

Invited Keynote/Presentation: Bondy, Chris.

"Technology Trends Effecting the Printing Industry." Queens Printer Conference. Canadian Queens Printing Association. Halifax, Nova Scotia. 11 Jun. 2019. Keynote Speech. ~

Invited Keynote/Presentation: Bondy, Chris.

"The Power of Personalization in Labels & Packaging." Xeikon Café. Xeikon Corporation. Chicago, IL. 15 May 2019. Conference Presentation. ~

Invited Keynote/Presentation: Bondy, Chris.

"The Power of Personalization in Graphic Arts." Xeikon Café. Xeikon Corporation. Chicago, IL. 16 May 2019. Conference Presentation. ~

Invited Keynote/Presentation: Bondy, Chris.

"The Transformation Mandate." Graphics Canada. KonicaMinolta. Toronto, Ontario, Canada. 12 Apr. 2019. Keynote Speech. ~

Gregory Halpern, Associate Professor

Shows/Exhibits/Installations: Halpern, Gregory.

Omaha Sketchbook. 19 Sep. 2019. Huxley-Parlour Gallery, London, UK. Exhibit.

Shows/Exhibits/Installations: Halpern, Gregory.

Confederate Moons. 2018. Galerie Wouter van Leeuwen, Amsterdam, The Netherlands. Exhibit.

Full Length Book: Halpern, Gregory.

Omaha Sketchbook. 1 ed. London, UK, London, UK: MACK, 2019. Print.

Published Review: Abel-Hirsch, Hannah. "'Omaha Sketchbook: 15 Years of Midwestern Masculinity.'" Rev. of Omaha Sketchbook, by Hannah Abel-Hirsch. British Journal of Photography Sep. 2019: ?. Print. *

Published Review: Wallis, Brian. "A Chronicle of Midwestern Masculinity." Rev. of Omaha Sketchbook, by Brian Wallis. Aperture Foundation 2019: ?. Web. *

Published Review: Dickerman, Kenneth. "A New Photography Book Meditates on What it Means to be Male and American in the Midwest." Rev. of Omaha Sketchbook, by Gregory Halpern. Washington Post 2019: ?. Print. *

Angela Kelly, Professor

Shows/Exhibits/Installations: Kelly, Angela.

Solo Exhibit: Traces of Catharsis and Lament. Apr. 2019. Allcott Gallery and Museum, UNC, Chapel Hill, NC., Chapel Hill, NC. Exhibit.

Invited Keynote/Presentation: Kelly, Angela.

"Catharsis: Images of Post-Conflict Belfast." New York/New Belfast: Be the Bridge. Irish American Historical Society, 5th Ave, NYC. New York, NY. 12 Jun. 2019. Conference Presentation. Δ

Ted M Kinsman, Assistant Professor

Invited Paper: Kinsman, Ted.

"How to Age Film for the Distressed Look. or How to NOT Store Your Film." Petapixel.com. (2019). Web. Δ

Invited Paper: Kinsman, Ted.

"A Simple and Inexpensive Schlieren Optical System Using a Fresnel Lens." Petapixel.com. (2020). Web. Δ

Invited Paper: Kinsman, Ted.

"How to Photograph Flowers Splashing in Milk with an Infrared Laser." Petapixel.com. (2019). Web. Δ

Joshua Rashaad McFadden

Invited Keynote/Presentation: McFadden,

Joshua Rashaad. "Evidence." Liberty Hill Breakfast Series. Rochester Institute of Technology. Rochester, NY. 19 Nov. 2019. Keynote Speech.

Joshua H Meltzer, Assistant Professor

Shows/Exhibits/Installations: Meltzer, Josh, et al. Beyond Addiction, Reframing Recovery. 6 Apr. 2019. Arnold and Sheila Aronson Galleries, Parsons School of Design, New York City. Exhibit.

Shows/Exhibits/Installations: Meltzer, Josh, et al. Beyond Addiction, Reframing Recovery. 6 Apr. 2019. Arnold and Sheila Aronson Galleries, Parsons School of Design, New York City. Exhibit.

Michael R Peres, Professor

Full Length Book: Peres, Michael, et al. Images from Science 3. 1st ed. Rochester, NY: RIT Press, 2019. Print. ≠

Invited Paper: Michael, Peres,. "The RIT Big Shot Thirty Three Years of Stories." Journal of BioCommunications. (2019). Web. Δ

Christye P Sisson, Associate Professor

Invited Article/Publication: Sisson, Christye. "I Create Manipulated Images and Videos – But Quality May Not Matter Much." The Conversation. (2019). Web. Δ

Published Conference Proceedings: Sisson, Christye. "Color Consistency in Fundus Photography: Development of an Imaging Standard." Proceedings of the Ophthalmic Photographer's Society Annual Educational Meeting, October 2019. Ed. Ophthalmic Photographer's Society. San Francisco, CA: n.p., Web. Δ

Joshua J Thorson, Assistant Professor

Shows/Exhibits/Installations: Thorson, Joshua. Oklahoma! Video Projections. 2018. St Ann's Warehouse, Brooklyn. Performance.

Shows/Exhibits/Installations: Thorson, Joshua. Drama Desk Award for Outstanding Projection Design nomination. 2019. Town Hall, New York City. Performance.

Shows/Exhibits/Installations: Thorson, Joshua. Oklahoma! video projections. 2019. Circle in the Square Theater, New York City. Performance.

Shows/Exhibits/Installations: Thorson, Joshua, et al. Special Citation Obie Award for Oklahoma!, video projections. 2019. New York, New York City. Performance.

Book Chapter: Thorson, Joshua. "untitled." Charles Atlas. Ed. Raphael Gyga, et al.. Zurich, Switzerland: JRP Ringier, 2019. 75-77. Print. Δ

Shows/Exhibits/Installations: Thorson, Joshua and Nick Hallett. To Music, Act IV, video projections. 23 Oct. 2019. Roulette Intermedium, Brooklyn. Performance.

Shows/Exhibits/Installations: Thorson, Joshua and Nick Hallett. To Music, Act III, video projections. 21 Jun. 2019. Issue Project Room, Brooklyn. Performance.

Shows/Exhibits/Installations: Thorson, Joshua, Five by Five, and Missy Pfohl Smith. Source of Light. 7 Dec. 2018. Visual Studies Workshop, Rochester, NY. Performance.

Carole Woodlock

Shows/Exhibits/Installations: Woodlock, Carole. Woman Walking II. 16 Jun. 2019. 66th Finger Lakes Juried Exhibition Memorial Art Gallery, Rochester, NY. Installation. «

Catherine Zuromskis, Associate Professor

Invited Keynote/Presentation: Zuromskis, Catherine. "Feeling History: Evidence, Vernacular Documentation, and the Kennedy Assassination." University of Alabama and the University of Alabama at Birmingham 24th Annual Graduate Student Symposium in Art History. University of Alabama and the University of Alabama at Birmingham. Birmingham, AL. 1 Mar. 2019. Keynote Speech. Δ

Engineering Technology

Civil Engineering Technology, Environmental Management and Safety

Yewande S Abraham, Assistant Professor

Published Conference Proceedings: Abraham, Yewande Sonayon, Chimay J Anumba, and Somayeh Asadi. "Case Study on Energy Use and Indoor Environmental Quality in an Office Building." Proceedings of the 9th International Conference on Sustainable Development in Building and Environment, (SuDBE) July, 22-28 2019 in Reading, UK. Ed. Stuart Green and Andrew Baldwin. Reading, UK: n.p., Print. ~

Peer Reviewed/Juried Poster Presentation: Abraham, Yewande Sonayon, Chimay J Anumba, and Somayeh Asadi. "Leveraging the Interaction between Humans and Building Systems for Enhanced Operation and Maintenance of Office Buildings." Proceedings of the 2019 ASCE International Conference on Computing in Civil Engineering. Ed. Yong K. Cho, et al. Atlanta, Georgia: ASCE. ~

Peer Reviewed/Juried Poster Presentation: Abraham, Yewande Sonayon, Chimay J Anumba, and Somayeh Asadi. "Tracking Energy Performance for Improved Occupant Satisfaction in Offices." Proceedings of the Engineering Sustainability: A Climate for Change. Ed. Gena M. Kovalcik. Pittsburgh, Pennsylvania: n.p.. ~

Invited Keynote/Presentation: Abraham, Yewande Sonayon. "Case Study on Energy Use and Indoor Environmental Quality in an Office Building." 9th International Conference on Sustainable Development in Building and Environment, (SuDBE) July, 22-28 2019. Rochester Institute of Technology. Rochester, NY. 24 Jul. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Crawford, Kijana, et al. "Mentoring Women: Faculty of Color in Predominantly White Institutions—A Fireside Chat." National Association of African American Studies & Affiliates (NAAAS) Regional Conference. St John Fisher and Nazareth College. Rochester, New York. 4 Oct. 2019. Conference Presentation. *

Amanda Bao, Associate Professor

Journal Paper: Bao, Amanda. "Enhancing Learning Effectiveness by Implementing Screen-casts into Civil Engineering Classroom with Deaf Students." *Advances in Engineering Education* 7. 3 (2019): 1-12. Web. *

Published Conference Proceedings: Bao, Amanda and Caleb Guillaume, Alana Moraes. "Shear Strength of Deteriorated Steel Girders in Multi-Girder Bridges." Proceedings of the 10th International Structural Engineering and Construction Conference - Interdependence between Structural Engineering and Construction Management. Ed. Didem Ozevin. Chicago, IL: https://www.isec-society.org/ISEC_PRESS/ISEC_10/, 2019. Web. *

Published Conference Proceedings: Bao, Amanda. "Structural Capacity Analysis of Corroded Steel Girder Bridges." Proceedings of the 2019 World Steel Bridge Symposium. Ed. National Steel Bridge Alliance (NSBA). St. Louis, MO: <https://www.aisc.org/education/continuingeducation/education-archives/rating-and-evaluation-of-existing-steel-bridges-b25/>, 2019. Web. *

Lisa L Greenwood, Assistant Professor

Published Conference Proceedings: Greenwood, Lisa, et al. "Problem-Based Learning: A Tale of Three Courses." Proceedings of the 2019 ASEE Zone 1 Conference. Ed. NA. Niagara Falls, NY: American Society for Engineering Education, Web. *

Invited Keynote/Presentation: Greenwood, Lisa L, et al. "Beyond the Technical Lecture: Problem-Based Learning in Engineering Technology and Sustainability." 2019 ASEE Zone 1 Conference. University at Buffalo. Niagara Falls, NY. 13 Apr. 2019. Conference Presentation. £

Peer Reviewed/Juried Poster Presentation: Sammons, Annabel and Lisa Greenwood. "Enhancing Sustainability Culture in the Workplace: A Framework for Improving Ems Effectiveness and Performance." Proceedings of the Engineering Sustainability 2019 - A Climate for Change. Ed. NA. Pittsburgh, PA: University of Pittsburgh Mascaro Center for Sustainable Innovation. «

Invited Keynote/Presentation: Greenwood, Lisa. "Standards in the Curriculum: A Tale of Three Risk Domains." Fostering Partnerships to Integrate Standards into College Curriculum in the US. American National Standards Institute. Washington, D.C. 6 Nov. 2019. Conference Presentation.

Jennifer Schneider, Professor

Invited Keynote/Presentation: Schneider, Jennifer. "RIT Collaboratory for Resiliency & Recovery: Keys to Effective Safety Plans." The Evolving School Safety Dilemma. Mary Cariola Center. Rochester, NY. 12 Nov. 2019. Conference Presentation.

Published Conference Proceedings: Schneider, JL, SA Dobie, and S Ghetts. "Translation of Process Safety to Cyber Incidents within the Emergency Management Arc." Proceedings of the IEEE- Homeland Security Technologies. Ed. M. Choi and J. Flavin. Woburn, MA: IEEE, 2019. Web. «

Published Conference Proceedings: Dobie, SA, JL Schneider, and A Szafranski. "Going Beyond the Waffle House Index: Using Food Systems as an Indicator of Community Health and Sustainability." Proceedings of the IEEE- Homeland Security Technologies. Ed. M. Choi and J. Flavin. Woburn, MA: IEEE, 2019. Web. «

Invited Keynote/Presentation: Schneider, Jennifer and Matt Lovell. "Institutional Action Planning Workshop for Applied Critical Thinking." AITU Summit. Association of Independent Technological Universities. Chicago, IL. 8 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Schneider, Jennifer. "Closure Report on Advancing Student Thinking for 21st Century Success." AITU Summit. Association of Independent Technological Universities. Chicago, IL. 8 Aug. 2019. Keynote Speech.

Invited Keynote/Presentation: Schneider, Jennifer. "Welcome Address: Advancing Student Thinking for 21st Century Success." AITU Summit. Association of Independent Technological Universities. Chicago, IL. 7 Aug. 2019. Address.

Published Conference Proceedings: Hummel, J, et al. "Can the Pyramid be Shared? Comparing the Risk Perspectives of the Industrial and Cyber Environments." Proceedings of the Resilience Week 2019. Ed. C Black. San Antonio, TX: n.p., 2019. Web. ~

Dean's Office

Michael Eastman, Professor

Published Conference Proceedings: Greenwood, Lisa, et al. "Problem Based Learning: A Tale of Three Courses." Proceedings of the ASEE Zone 1. Ed. ASEE. Niagara Falls, NY: ASEE, 2019. Web. «

Featured Faculty

CHRISTOPHER LEWIS IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF MANUFACTURING AND MECHANICAL ENGINEERING TECHNOLOGY.

Dr. Lewis holds a B.S. in Plastics Engineering Technology (Pennsylvania College of Technology), an M.S. in Polymer Engineering (University of Tennessee-Knoxville) and a PhD in Chemical Engineering (University of Rochester). Prior to joining RIT Dr. Lewis worked for 10 years in the plastics industry where he was engaged in manufacturing, materials and product research and development activities for companies such as Delphi Corporation, General Motors and TE Connectivity. Dr. Lewis' appointment is through the Department of Manufacturing and Mechanical Engineering Technology (CET) and he is an affiliate faculty member to the Materials Science and Engineering Program (COS).

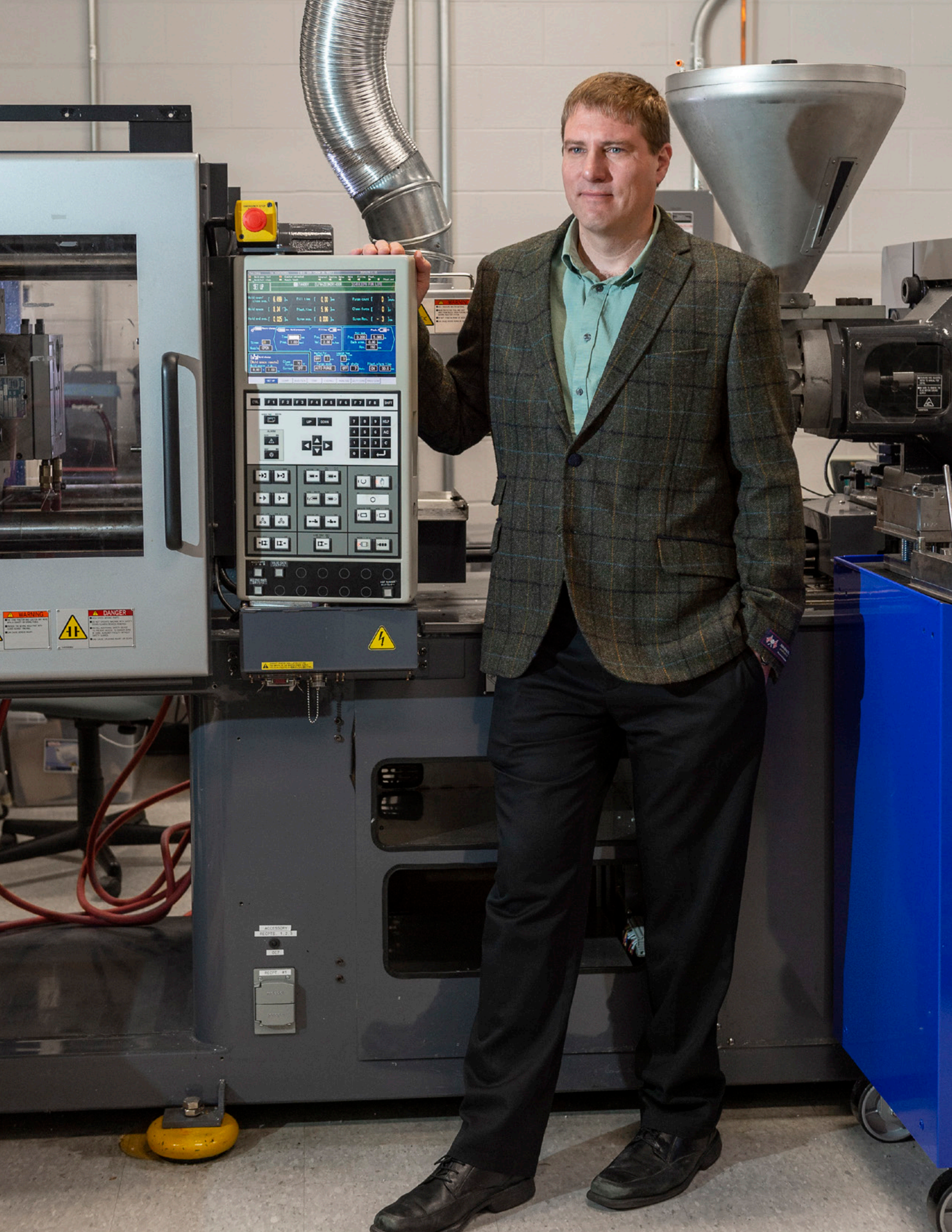
Dr. Lewis' current research interest in the area of polymer engineering includes work in the subfields of shape memory/self-healing polymers, bioplastics and additive manufacturing. Through collaborations with other RIT researchers he has secured funding from such organizations as the New York State Pollution Prevention Institute (NYSP2I), the USDA, the Department of Defense and the US Army. In addition a portion of his work is funded through industrial collaborations with companies including Bausch and Lomb, Pearl Technologies and Garlock Sealing Technologies.

Dr. Lewis' work is disseminated at conferences including the Society of Plastics Engineers (SPE) Annual Technical Conference (ANTEC) and the IAPRI Symposium on Packaging. He has also published numerous research articles in high-impact polymer science journals including Polymer Degradation and Stability, Macromolecules and the Journal of Rheology, as well as an invited review article for the Journal of Polymer Science Part B: Polymer Physics.

Dr. Lewis' highly interdisciplinary research team includes participants from across the university with backgrounds in engineering technology, engineering and materials science. Dr. Lewis strongly supports undergraduate participation in his research efforts and believes that providing students with opportunities to share their work is critically important to their growth as engineering professionals. As such, Dr. Lewis serves as the College of Engineering Technology (CET) representative to the RIT undergraduate research symposium, helping to coordinate this annual event. Dr. Lewis is a board member of the Rochester chapter of the SPE and advisor to the RIT-SPE student chapter. He leverages this connection to provide opportunities for his students to engage with other plastics professionals at national conferences and at locally organized events. In addition, Professor Lewis helps to coordinate SPE participation at various STEM fairs in the Rochester region including the annually held E3 Fair at RIT where he and his students educate middle school students on the basic principles of plastics technology.

Christopher L. Lewis
Assistant Professor
RIT College of Engineering Technology

PHOTO BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Journal Paper: Eastman, Michael G., Monica L. Miles, and Randy Yerrick. "Exploring the White and Male Culture: Investigating Individual Perspectives of Equity and Privilege in Engineering Education." *Journal of Engineering Education*. (2019): 22. Print. «

Invited Article/Publication: Eastman, Michael G., Monica L. Miles, and Randy Yerrick. "Inclusion Starts with Us." *ASEE Prism*. (2019). Print. *

Electrical, Computer and Telecommunications Engineering Technology

Miguel Bazdresch, Assistant Professor

Published Conference Proceedings: Greenwood, Lisa, et al. "Problem-Based Learning: A Tale of Three Courses." *Proceedings of the ASEE Zone 1 Conference*. Ed. NA. Niagara Falls, NY: American Society for Engineering Education, Web. «

Published Conference Proceedings: Gonzalez, Griselda, Joaquin Cortez, and Miguel Bazdresch. "Reduced Complexity Tree-Search Detector for Hybrid Space-Time Codes." *Proceedings of the IEEE Western New York Signal and Image Processing Workshop*. Ed. IEEE. New York, NY: IEEE, Web. *

Mark J Indelicato, Associate Professor

Published Conference Proceedings: Greenwood, Lisa, et al. "Problem-Based Learning: A Tale of Three Courses." *Proceedings of the ASEE Zone 1*. Ed. ASEE. Niagara Falls, NY: ASEE, 2019. Web. «

SungYoung Kim, Associate Professor

Published Conference Proceedings: Kim, Sungyoung, Inyong Choi, and Adam T. Schwelje. "Sound Localization Training Using Augmented Reality." *Proceedings of the Association for Research in Otolaryngology Midwinter Meeting 2019*. Ed. ARO. Baltimore, MD: ARO, 2019. Print. *

Published Conference Proceedings: Chon, Song Hui and Sungyoung Kim. "The Matter of Attention and Motivation - Understanding Unexpected Results from Auditory Localization Training using Augmented Reality." *Proceedings of the Future of Audio in VR 2019 (FAVR 2019)*. Ed. FAVR. Osaka, Japan: IEEE, Web. *

Published Conference Proceedings: Kaneko, Shoken, et al. "Automatic Statistical Analysis of Ear Shape Anthropometrics of an International Ear Shape Database." *Proceedings of the Immersive and Interactive Audio*. Ed. AES. York, UK: AES, Web. *

Published Conference Proceedings: Kim, Sungyoung and Shuichi Sakamoto. "Investigating Room-induced Influences on Immersive Experience. Part II: Effects Associated with Listener Groups and Musical Excerpts." *Proceedings of the AES 147 Convention*. Ed. AES. New York, NY: AES, 2019. Web. *

Journal Paper: Howie, Will, et al. "Effect of Audio Production Experience, Musical Training, and Age on Listener Performance in 3D Audio Evaluation." *Journal of Audio Engineering Society* 67. 10 (2019): 782-794. Print. *

Journal Paper: Kim, Sungyoung. "Do we Hear Differently? Comparing Spatial Hearing Between East-Asian and North-American listeners." *Acoustical Science and Technology* 41. 1 (2020): 129-133. Web. *

Invited Keynote/Presentation: Kim, Sungyoung. "Contextual Effects in 3D Sound Reproduction." *Kyushu University Audio Seminar*. Kyushu University. Kyushu, Japan. 16 May 2019. Guest Lecture.

Invited Keynote/Presentation: Kim, Sungyoung. "Spatial Ear Training: Perceptual Learning or Rule-adaptation?" *GAUDIO Invited lecture series*. GAUDIO. Seoul, Korea. 14 Jun. 2019. Guest Lecture.

Invited Keynote/Presentation: Kim, Sungyoung. "Investigation of Room-related Influences on Multi-channel Reproduced Music." Korean Society for Music Perception and Cognition 62nd meeting. Korean Society for Music Perception and Cognition. Seoul, Korea. 15 Jun. 2019. Keynote Speech.

Invited Keynote/Presentation: Kim, Sungyoung. "Investigation of Room-related Influences on Immersive Experience." Tokyo University of the Arts Seminar. Tokyo University of the Arts. Tokyo, Japan. 7 Aug. 2019. Guest Lecture.

External Scholarly Fellowships/National Review Committee:

9/1/2019 -
8/31/2022
Department of Defense
Amount: \$179878
≠

External Scholarly Fellowships/National Review Committee:

9/1/2019 -
12/31/2020
Yamaha Corporation
Amount: \$19000
≠

Drew Maywar, Associate Professor

Journal Paper: Tennant, B.A., et al. "Distributed Feedback Lasing Based on a Negative-Index Metamaterial Waveguide." *Optics Letters* 44. 18 (2019): 4586-4589. Print. *

Published Conference Proceedings: Maywar, D.N. and S.A. Al Grait. "Demonstration of Simultaneous Nonlinear Polarization Rotation and Dispersive Bistability." *Proceedings of the OSA Nonlinear Optics*. Ed. Conference Eds. Waikoloa, HI: OSA, Print. *

Journal Paper: Grait, S.A. Al, et al. "Simultaneous Nonlinear Polarization Rotation and Dispersive Optical Bistability: Theoretical and Experimental Analysis." *Journal of the Optical Society of America B (Optical Physics)* 36. (2019): 3562-3572. Print. *

Journal Paper: Grait, S.A. Al and D.N. Maywar. "Downstream Hysteresis-Shape Control of a Bistable Optical Signal Created by an Upstream Nonlinear Photonic Resonator." *Optics Express* 27. (2019): 38404-38412. Print. *

Manufacturing and Mechanical Engineering Technology

Martin K Anselm, Assistant Professor

Invited Keynote/Presentation: Anselm, Martin K. "Seeking University Graduate Talent and Collaborators for Industrial Research." SMTAi. SMTA. Chicago, Illinois. 22 Sep. 2019. Conference Presentation.

Published Conference Proceedings: Borkes, Tom, Martin Anselm, and Malar Hirudayaraj. "Moving Beyond Paideia – Transforming our High Tech Educational Pipeline into one that Focuses on “Learning for Earning,” as well as “Learning for Learning”." *Proceedings of the 2019 ASEE Mid-Atlantic Conference - Fall*. Ed. Patti Greenawalt. New York City, New York: n.p., 2019. Web. *

Published Conference Proceedings: Swanson, Tayler J. and Martin Karl Anselm. "Properties of Mixing Solder Alloys with Bismuth-Containing Solder Alloys for a Low Reflow Temperature Process." *Proceedings of the SMTAi 2019*. Ed. Robert Rowland. Chicago, Illinois: SMTA, 2019. Web. *

Published Conference Proceedings: Kotain, Prithvi, Jeff Schake, and Martin Karl Anselm. "Robustness of High Tension, Standard Tension, and Mesh Mount Solder Paste Stencils." *Proceedings of the SMTAi 2019*. Ed. Robert Rowland. Chicago, Illinois: SMTA, 2019. Web. *

Published Conference Proceedings: Johnson, Charmaine, et al. "Attachment Quality and Thermal Fatigue Reliability of a Surface Mount Chip Resistor Assembled With a Low Temperature Solder." *Proceedings of the SMTAi 2019*. Ed. Robert Rowland. Chicago, Illinois: SMTA, 2019. Web. *

Betsy Dell, Professor

Journal Paper: Dell, Elizabeth. "Supporting Women in Engineering Technology Programs." *Journal of Engineering Technology*. Fall (2019): 22-30. Print. «

Journal Paper: Dell, Elizabeth and et al. "The Development and Evaluation of an ADVANCE Professional Development Series to Promote Institutional Transformation." *The ADVANCE Journal* 1. 2 (2019): 2-29. Web. «

Journal Paper: Samadi, Kosar, et al. "Mechanical, Rheological and Anaerobic Biodegradation Behavior of a Poly(lactic acid) blend containing a Poly(lactic acid)-co-poly(glycolic acid) Copolymer." *Polymer Degradation and Stability* 170. (2019): 109018. Print. «

Published Conference Proceedings: Dell, Elizabeth and et al. "Diversity in Engineering Technology." *Proceedings of the ASEE Conference for Industry & Education Collaboration (CIEC)*. Ed. ASEE. New Orleans, LA: ASEE, 2019. Web. «

Published Conference Proceedings: Hedge, Swati, et al. "Development of a biodegradable thermoformed tray for food waste handling." *Proceedings of the 22nd International Association of Packaging Research Institutes (IAPRI) Symposium on Packaging*. Ed. IAPRI. Enschede, the Netherlands, NA: n.p., 2019. Web. «

Published Conference Proceedings: Lucietto, Anne, Elizabeth M Dell, and et al. "Engineering Technology Undergraduate Students: A Survey of Demographics and Mentoring." *Proceedings of the American Society of Engineering Educators Annual Conference and Exhibition*. Ed. ASEE. Tampa, FL: n.p., 2019. Web. «

Published Conference Proceedings: Lucietto, Anne, et al. "Engineering Technology Graduates: A Survey of Demographics and Mentoring." *Proceedings of the American Society of Engineering Educators Annual Conference and Exhibition*. Ed. ASEE. Tampa, FL: n.p., 2019. Web. «

Christopher L Lewis, Assistant Professor

Invited Keynote/Presentation: Lewis, Christopher L. "Biodegradable Plastics: Rethinking the Fate of Single-Use Products." *Bausch and Lomb R&D Seminar Series*. Bausch and Lomb. Rochester, New York. 25 Oct. 2019. Guest Lecture.

Journal Paper: Lewis, Christopher L., et al. "Mechanical, Rheological and Anaerobic Biodegradation Behavior of a Poly(lactic acid) blend containing a Poly(lactic acid)-co-poly(glycolic acid) Copolymer." *Polymer Degradation and Stability* 170. December 2019 (2019): Article 109018, p.1-12. Print. * ≠

Published Conference Proceedings: Hegde, Swati, et al. "Development of a Biodegradable Thermoformed Tray for Food Waste Handling." *Proceedings of the 29th IAPRI Symposium on Packaging 2019*. Ed. Roland ten Klooster. Enschede, The Netherlands: University of Twente, Enschede, 2019. Print. £

Jennifer O'Neil, Assistant Professor

Journal Paper: C., Marchetti,, et al. "Faculty Perspectives on Developing Strategies to Improve Access in Diverse Post-Secondary Classrooms." *Learning Communities Journal*. (2019): 32. Print. «

Invited Keynote/Presentation: O'Neil, Jennifer A. "Addressing the Complex, Abstract, and Irrelevance in your Course." *KEEN National Conference*. RIT. Rochester, NY. 4 Jan. 2019. Keynote Speech.

Brian S Rice, Assistant Professor

Published Conference Proceedings: Rice, Brian S., Jeffery Ulreich, and Milton J. Shoup. "Prediction of Deuterium-Tritium Ice-Layer Uniformity in Direct-Drive Inertial Confinement Fusion Target Capsules." *Proceedings of the NAFEMS World Congress 2019*, (Quebec City, Quebec June 17-20, 2019). Ed. NAFEMS. Hamilton, United Kingdom: NAFEMS, 2019. Print. £

Carlos Diaz-Acosta, Associate Professor

Journal Paper: Samadi, Kosar, et al. "Mechanical, Rheological and Anaerobic Biodegradation Behavior of a Poly(lactic acid) blend containing a Poly(lactic acid)-co-poly(glycolic acid) Copolymer." *Polymer Degradation and Stability* 170. (2019): 109018. Web. *

Published Conference Proceedings: Hegde, Swati, et al. "Development of a Biodegradable Thermoformed Tray for Food Waste Handling." *Proceedings of the 29th IAPRI Symposium on packaging*, Enschede, The Netherlands, 11-14 June 2019. Ed. Roland ten Klooster. Enschede, EN: University of Twente, Print. £

Kyle D Dunno, Assistant Professor

Journal Paper: Dunno, Kyle D., Amy Helenek, and Theresa Klingshirn. "Effect of Packaged Product Size, Weight and Shipping Location on Mean Drop Heights in the Small Parcel Shipping Environment." *International Journal of Advanced Packaging Technology* 7. 1 (2019): 292-299. Web. *

Published Conference Proceedings: Dunno, Kyle D., Changfeng Ge, and David Shires. "Accumulated Fatigue Spectra for Random Vibration Testing." *Proceedings of the 29th IAPRI Symposium on Packaging*. Ed. Roland ten Klooster. Enschede, Netherlands: n.p., Print. *

Published Conference Proceedings: Dunno, Kyle D. and Changfeng Ge. "Characterization of Horizontal Acceleration Events Occurring During Transport." *Proceedings of the 29th IAPRI Symposium on Packaging*. Ed. Roland Ten Klooster. Enschede, Netherlands: n.p., Print. ~

Journal Editor: Malasri, Siripong and Kyle D. Dunno, ed. *International Journal of Advanced Packaging Technology*. Delhi: n.p., 2019. Web. *

Changfeng Ge, Professor

Journal Paper: L, Yuan, et al. "Research on the High Hydrostatic Pressure and Microwave Combined Inactivation Process and the Application to Boiled Bamboo Shoots." *Journal of Food Safety* 39. 2 (2019): 1-9. Print. «

Journal Paper: Kuang, WX, et al. "Homotopy Perturbation Method with an Auxiliary Term for the Optimal Design of a Tangent Nonlinear Packaging System." *Journal of Low Frequency Noise, Vibration and Active Control Special collection*. (2019): 1-6. Print. «

Journal Paper: Pan, L, et al. "An Oxygen Permeability Predictive Model Without Geometric Factors for Immiscible Polymer Blended Films Based on Fractal and Percolation Theory." *Food Packaging and Shelf Life* 22. (2019): 100335. Print. «

Journal Paper: Ge, C. "Theory and Practice of Cushion Curve: A Supplementary Discussion." *Packaging Technology and Science* 43. 4 (2019): 185-197. Print. «

Health Sciences and Technology

Biomedical Sciences

Cory A Crane, Assistant Professor

Journal Paper: C, Eckhardt,, D. Parrott, and C. Crane. "Alcohol, conflict, and aggression in intimate relationships: A dyadic approach." *Journal of Social and Personal Relationships* 36. (2019): 1459-1475. Print. *

Journal Paper: R., Schlauch,, et al. "The role of craving in the treatment of alcohol use disorders: The importance of pretreatment changes and competing desires." *Drug and Alcohol Dependence* 199. (2019): 144-150. Print. «

Journal Paper: C., Crane,, R. Schlauch, and K. Miller. "Caffeinated alcoholic beverages and intimate partner violence victimization." *Journal of Caffeine and Adenosine Research* 9. (2019): 60-63. Print. «

Journal Paper: C., Crane,, R. Schlauch, and K. Miller. "The association between caffeinated alcoholic beverages and the perpetration of intimate partner violence." *American Journal on Drug and Alcohol Abuse* 45. (2019): 538-545. Print. «

Diagnostic Medical Sonography

Hamad Ghazle, Professor

Journal Paper: Ghazle, Hamad and Apeland, Tracy. "Epidermoid Cyst of the Testis: Sonographic Characteristic Appearance." *Journal of Diagnostic Medical Sonography* 35. 1 (2019): 58-61. Print. *

Invited Keynote/Presentation: Ghazle, Hamad. "Ultrasound in 2019." *New York State Society of Radiologic Sciences Annual Conference*. New York State Society of Radiologic Sciences. Corning, NY. 26 Oct. 2019. Conference Presentation.

Invited Keynote/Presentation: Ghazle, Hamad. "Missing the Point: The Hidden Risks of Sonography." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation 2019*. Rochester Ultrasound Society. Rochester, NY. 1 Jun. 2019. Conference Presentation. *

Invited Keynote/Presentation: Ghazle, Hamad. "OB Ultrasound: A Case-Based Review & Interpretation." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation 2019*. Rochester Ultrasound Society. Rochester, NY. 1 Jun. 2019. Conference Presentation. *

Invited Keynote/Presentation: Ghazle, Hamad. "Tips & Tricks for Optimal Needle Visualization in Ultrasound-Guided Procedures." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation 2019*. Rochester Ultrasound Society. Rochester, NY. 1 Jun. 2019. Conference Presentation. *

Invited Keynote/Presentation: Ghazle, Hamad. "Beyond the Norm: Waveforms of the Neck and Lower Extremities." *Maine Sonographers Association Spring Symposium 2019*. Maine Sonographers Association. Portland, me. 27 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: Ghazle, Hamad. "Pelvic Cystic Masses: What Sonographers Should Know?" *Maine Sonographers Association Spring Symposium 2019*. Maine Sonographers Association. Portland, ME. 27 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: Ghazle, Hamad. ". Ultrasound of the Pediatric Abdomen: Sonographers are the Key for Diagnosis." *Maine Sonographers Association Spring Symposium 2019*. Maine Sonographers Association. Portland, ME. 27 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: Ghazle, Hamad. "Ultrasound Guided Procedures: The Time Has Come." Maine Sonographers Association Spring Symposium 2019. Maine Sonographers Association. Portland, ME. 27 Apr. 2019. Conference Presentation. *

Medical Illustration

James Perkins, Professor

Journal Paper: Brodell, James D., et al. "Deltoïd-Spring Ligament Reconstruction in Adult Acquired Flatfoot Deformity With Medial Peritalar Instability." *Foot & Ankle International* 40. 7 (2019): 753-761. Print. ~

Shows/Exhibits/Installations: Perkins, James A. *Images From Science* 3. 1-28 Nov. 2019. RIT City Art Space, Rochester, NY. Exhibit. £

Wegmans School of Health and Nutrition

Barbara A Lohse, Professor

Journal Paper: Lohse, Barbara, Stephanie Godleski, and Jodi Stotts Krall. "Satter Eating Competence Inventory Subscale Restructure After Confirmatory Factor Analysis." *Journal of Nutrition Education and Behavior*. (2019): Epub ahead of print. Web. «

Journal Paper: Lohse, Barbara, Melissa Pflugh Prescott, and Leslie Cunningham-Sabo. "Eating Competent Parents of 4th Grade Youth from a Predominantly Non-Hispanic White Sample Demonstrate More Healthful Eating Behaviors than Non-Eating Competent Parents." *Nutrients* 11. (2019): 1501. Web. «

Journal Paper: Ruder, Elizabeth, et al. "Parent Food and Eating Behavior Assessments Predict Targeted Healthy Eating Index Components." *Journal of Nutrition Education and Behavior* 51. 6 (2019): 711-718. Print. «

Journal Paper: Prescott, Melissa Pflugh, et al. "Child assessments of vegetable preferences and cooking self-efficacy show predictive validity with targeted diet quality measures." *BMC Nutrition* 5. (2019): 21. Web. «

Peer Reviewed/Juried Poster Presentation:

Cunningham-Sabo, Leslie and Barbara Lohse. "Development of Parent Engagement Indices to Interpret Child Impact from Multi-Component, Asymmetrically Implemented School- and Family-Based Intervention." *Proceedings of the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity*, June 6, 2019; Prague Czech Republic. Ed. NA. Prague, Czech Republic: n.p.. «

Peer Reviewed/Juried Poster Presentation:

Meng, Ying, Barbara Lohse, and Leslie Cunningham-Sabo. "Sex modifies the association between diet intake-regulation related genes and BMI z-scores in children." *Proceedings of the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity*, June 6, 2019; Prague Czech Republic. Ed. NA. Prague, Czech Republic: n.p.. «

Journal Paper: Lohse, Barbara and Loren Masters. "Eating Competence and Oral Health in Supplemental Nutrition Assistance Program Eligible Populations." *Journal of Dental Hygiene* 93. 6 (2019): 42-50. Print. «

Peer Reviewed/Juried Poster Presentation:

Abu, Brenda, Barbara Lohse, and Leslie Cunningham-Sabo. "Parent BMI increase 2 to 5 years post-study related to change in age but independent of other sociodemographics, health behavior, and study engagement." *Proceedings of the Annual Meeting of the American Society for Nutrition*, June 8-11, 2019; Baltimore MD. Ed. NA. Baltimore, MD: n.p.. «

Featured Faculty

LIZ RUDER COMPLETED HER DOCTORAL TRAINING AT PENN STATE UNIVERSITY BEFORE JOINING THE CANCER PREVENTION FELLOWSHIP PROGRAM AT THE NATIONAL CANCER INSTITUTE (NCI), NATIONAL INSTITUTES OF HEALTH (NIH) AND COMPLETING A MASTER'S IN PUBLIC HEALTH (MPH) FROM THE JOHNS HOPKINS SCHOOL OF PUBLIC HEALTH. SHE SERVED ON THE FACULTY IN THE SCHOOL OF HEALTH AND REHABILITATION SCIENCES AT THE UNIVERSITY OF PITTSBURGH PRIOR TO JOINING THE RIT FACULTY IN FALL 2015.

Dr. Ruder and her collaborators are interested in the development and evaluation of education tools and programs to translate diet-disease research into useful nutrition education and behavioral modification. A key part of this work has been the development and testing of valid and reliable instruments to measure eating and nutrition related behavior. Dr. Ruder's work on the evaluation of the NEEDs for Tots curriculum, an early childhood education curriculum designed to disseminate a framework to support feeding relationships congruent with healthy growth and development known as the Satter Division of Responsibility (sDOR) in feeding. Relatedly, Dr. Ruder's work involves the testing and validation of measures to assess how parents and caregivers feed children ages 2-5 years. Another recent area of her scholarship includes validation of measures of in-home fruit and vegetable availability and parent modeling of positive eating behaviors with targeted measures of parental diet quality.

Dr. Ruder's research interweaves scholarship with community based organizations, including the teaching and training of health professions students. She is currently the Principal Investigator on a 3-year award from the NYS Department of Health to enhance the clarity, respect, and motivational skills of physician assistants treating breast cancer survivors. A focus of the award is to collaborate with the Breast Cancer Coalition of Rochester (BCCR) to train RIT physician assistant students in cultural humility and motivational interviewing, a collaborative, goal-oriented communication designed to strengthen personal motivation by exploring a person's own reasons for change within an atmosphere of acceptance and compassion.

Elizabeth Ruder
Assistant Professor
RIT College of Health Sciences and Technology

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ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Invited Keynote/Presentation: Lohse, Barbara. "Positive Deviance of Parent Engagement in School- Family-based Interventions." Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity. International Society for Behavioral Nutrition and Physical Activity. Prague, Czech Republic. 7 Jun. 2019. Conference Presentation. «

Elizabeth H Ruder, Assistant Professor

Journal Paper: Ruder, Elizabeth H and Kaitlin Stack Whitney. "Inclusion of Individuals with Disabilities in Academy Diversity Initiatives." Journal of the Academy of Nutrition and Dietetics 119. 10 (2019): 1619-1620. Print. *

Journal Paper: Ruder, Elizabeth H, et al. "Parent Food and Eating Behavior Assessments Predict Targeted Healthy Eating Index Components." Journal of Nutrition Education and Behavior 51. 6 (2019): 711-718. Print. «

Invited Article/Publication: Vescovi, Montana and Elizabeth H Ruder. "Keys to Running Successful Research Projects: All the Things They Never Teach You." Journal of Nutrition Education and Behavior. (2019). Print. *

Invited Keynote/Presentation: Ruder, Elizabeth H. "Research for All! Engaging all dietetics undergraduates in original research." Nutrition and Dietetics Educators and Preceptors Eastern Meeting, Academy of Nutrition and Dietetics. Academy of Nutrition & Dietetics. Annapolis, MD. 5 Apr. 2019. Lecture. *

College of

Liberal Arts

Dean's Office

Laverne McQuiller, Professor

Journal Paper: Williams, LaVerne McQuiller, Judy L. Porter, and Kristy Love. "Interaction of Auditor Status, Child Maltreatment and Victimization of Intimate Partner Violence." *Journal of Social Sciences* 6. (2019): 1-8. Web. *

Department of Communication

Claudia A Bucciferro, Assistant Professor

Journal Paper: Bucciferro, Claudia. "Women and Netflix: Disrupting Traditional Boundaries Between Television and Film." *Feminist Media Studies* 20 (forthcoming). (2019): n.p. (online). Web. «

Published Review: Bucciferro, Claudia. Rev. of *Swift Viewing: The Popular Life of Subliminal Influence*, by Charles Acland. *Journal of American Culture* 2013: 257-258. Print. «

Nickesia S Gordon

Book Chapter: Gordon, Nickesia Stacyann. "Gender Identity, Sexuality, and Political Correctness in the Era of Trump." *Political Correctness in the Era of Trump: Threat to Freedom or Ideological Scapegoat?* Ed. Luigi Esposito and Laura Finley. Newcastle Upon Tyne, N/A: Cambridge Scholars, 2019. 61-78. Print. Δ

Book Chapter: Gordon, Nickesia Stacyann. "Branding the Nation: A Rhetorical Analysis of the Jamaica Tourist Board's Commercial Campaigns." *Brand Jamaica: Reimagining a National Image and Identity*. Ed. Hume Johnson and Kamilie Gentles-Peart. Lincoln, NE: University of Nebraska Press, 2019. 31-50. Print. «

Ammina B Kothari, Associate Professor

Journal Paper: A, Kothari, and Tsakarestou, B. "Hack the Camp': An Entrepreneurial Public Diplomacy and Social Intervention Initiative to Address the Refugee Crisis in Greece." *International Communication Gazette*. (2019): 1-20. Web. *

Published Conference Proceedings: K, Rook,, et al. "A Study of User Intent in Immersive Smart Spaces." *Proceedings of the Workshop on Pervasive Smart Living Spaces (at PerCom 2019)*. Ed. IEEE. Kyoto, Japan: IEEE, Web. *

Invited Article/Publication: A, Kothari,. "Newsrooms." *The International Encyclopedia of Journalism Studies*. (2019). Web. Δ

Invited Keynote/Presentation: A, Kothari, and Shackelford, L. "Data Sense-Making." *Data and Stories in Healthcare interdisciplinary workshop in Medical Humanities*. University Medical Center Berlin. Berlin, Germany. 5 Dec. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: A, Kothari, and Ehmer, E. "Understanding Public Engagement with #Refugee on Twitter: A Digital Movement of Opinion Framework." *Association for Education in Journalism and Mass Communication. AEJMC*. Toronto, Canada. 7 Aug. 2019. Conference Presentation. *

Invited Keynote/Presentation: E, Ehmer, and Kothari, A. "Malaysia and the Rohingya: Media, Migration, and Politics." *Association for Education in Journalism and Mass Communication. AEJMC*. Toronto, Canada. 6 Aug. 2019. Conference Presentation. *

Invited Keynote/Presentation: A, Kothari,. "#CanYouHearUsNow? Decoding Muslim-American Women's Responses to Donald Trump on Twitter." *International Communication Association. ICA*. Washington, DC. 25 May 2019. Conference Presentation. *

Hinda B Mandell, Associate Professor

Full Length Book: Decker, Juilee and Hinda Mandell. *Crafting Democracy: Fiber Arts and Activism*. Rochester, NY: RIT Press, 2019. Print. ~

Full Length Book: Mandell, Hinda. *Crafting Dissent: Handicraft as Protest from the American Revolution to the Pussyhats*. New York City, NY: Rowman & Littlefield, 2019. Print. *

Shows/Exhibits/Installations: Decker, Juilee and Hinda Mandell. *Crafting Democracy: Fiber Arts and Activism*. n.d. Anthony Mascioli Gallery, The Sculpture Center, Bevier Gallery, and more, Rochester and Cleveland. Exhibit. £

Book Chapter: Mandell, Hinda. "Stigma, Shame, Sex Scandals, and Whiteness in Buffalo, New York." *Gender, race, and social identity in American politics*. Ed. Lori L. Montalbano. New York City, NY: Lexington Books, 2019. 43-58. Print. *

Book Chapter: Mandell, Hinda. "Birthing a 'Jew-billy' Identity Through Wife-work and Mothering: The Lineage of Family Narrative from Appalachia to Suburbia." *Critical Perspectives on Wives: Roles, Representations, Identities and Work*. Ed. Lynn O'Brien Hallstein and Rebecca Jaremko Bromwich. Bradford, Ontario: Demeter Press, 2019. 99-118. Print. «

Shows/Exhibits/Installations: Decker, Juilee and Hinda Mandell. *Crafting Democracy: Fiber Arts and Activism*. n.d. Anthony Mascioli Gallery, The Sculpture Center, Bevier Gallery, and more, Rochester and Cleveland. Exhibit. £

Shows/Exhibits/Installations: Decker, Juilee and Hinda Mandell. *Crafting Democracy: Fiber Arts and Activism*. n.d. Anthony Mascioli Gallery, The Sculpture Center, Bevier Gallery, and more, Rochester and Cleveland. Exhibit. £

Bonnie J Mc Cracken, Visiting Lecturer

Journal Paper: Nickels, Bonnie M. "Love Locked Up: An Exploration of Relationship Maintenance and Perceived Barriers for Women Who Have Incarcerated Partners." *Journal of Family Communication* 20. 1 (2020): 1-15. Print. *

Invited Keynote/Presentation: Nickels, Bonnie M., Kelly E. Tenzek, and Tahleen Wright. "This is Us: An Analysis of Mediated end-of-life Family Communication." National Communication Association 2019 Conference. National Communication Association. Baltimore, MD. 16 Nov. 2019. Conference Presentation. *

Jonathan Schroeder, Professor

Full Length Book: Schroeder, Jonathan, Anna Westerthal Stenport, and Ezster Szalczer, eds. *August Strindberg and Visual Culture: The Emergence of Optical Modernity in Image, Text and Theatre*. New York, NY: Bloomsbury, 2019. Print. *

Book Chapter: Schroeder, Jonathan. "Brand Culture." *The Wiley-Blackwell Encyclopedia of Sociology*. Ed. George Ritzer and Chris Rojek. London, UK: Wiley-Blackwell, 2019. 1-2. Web. Δ

Book Chapter: Schroeder, Jonathan. "Visual Consumption." *The Wiley-Blackwell Encyclopedia of Sociology, Second Edition*. Ed. George Ritzer and Chris Rojek. London, UK: Wiley-Blackwell, 2019. 1-2. Web. Δ

Shows/Exhibits/Installations: Borgerson, Janet and Jonathan Schroeder. *Designed for Hi-Fi Living*. 1 Apr. 2019. McKenzie Commons RIT, Rochester. Exhibit. £

Invited Paper: Karababa, Eminigül and Jonathan Schroeder. "Non-Western Markets and Consumer Cultures: Special Issue." *Journal of Historical Research in Marketing*. (2019). Print. «

Invited Keynote/Presentation: Borgerson, Janet and Jonathan Schroeder. "Critical Visual Analysis." *Communication and Culture Roundtable*. Audencia Business School. Nante, FR. 19 Jun. 2019. Lecture. Δ

Invited Keynote/Presentation: Schroeder, Jonathan and Janet Borgerson. "Race in Midcentury Album Covers." *Race in the Marketplace Forum*. RIM. Paris, FR. 26 Jun. 2019. Lecture. £

Featured Faculty

CECILIA (CISSI) OVESDOTTER ALM DIRECTS THE COMPUTATIONAL LINGUISTICS AND SPEECH PROCESSING LAB, AND HER RESEARCH COMBINES THIS FIELD WITH AFFECTIVE COMPUTING AND HUMAN-CENTERED ARTIFICIAL INTELLIGENCE (AI). USING LINGUISTIC AND MULTIMODAL SENSING (INCLUDING EYE GAZE OR BIOPHYSICAL SIGNALS), SHE FOCUSES ON STUDYING HOW HUMANS EXPRESS OR PERCEIVE COMPLEX REACTIONS SUCH AS SPECIFIC EMOTIONS, AND THE DEVELOPMENT OF AUTOMATED SYSTEMS CAPABLE OF RECOGNIZING OR GENERATING SUCH BEHAVIORS OR EXPERIENCES. SHE WISHES TO CONTRIBUTE TO THE DEVELOPMENT OF INCLUSIVE AI RESOURCES, TECHNIQUES, AND SYSTEMS, AND SHE IS INTERESTED IN THE ROLES OF HUMANS IN AI SYSTEMS AND THEIR PARTICIPATION IN MACHINE LEARNING.

Additionally, Cissi is intrigued by questions about multimodal dialogue interactions, and she is involved in developing interfaces that enable users to analyze and interpret linguistic or multimodal data and computational models intuitively. She is currently mapping out the research landscape that involves language resources for intelligent affective computing.

Cissi is passionate about mentoring RIT graduate and undergraduate students and about broadening participation and ensuring diverse perspectives in AI research. She is also PI for the NSF-funded Research Experiences for Undergraduates (REU) Site: Computational Sensing for Human-centered AI at RIT. She has co-authored many peer-reviewed publications with students and colleagues, including journal articles and proceedings papers, and is a co-recipient of a best paper award. Cissi is diversity and inclusion co-chair for ACL 2020, this year's conference of the Association for Computational Linguistics, and she contributed collaboratively to launching a workshop on Human-centered Computational Sensing at PerCom, the IEEE International Conference on Pervasive Computing and Communications. In addition, she engages in a variety of interdisciplinary curricular initiatives on campus.

Cissi completed her PhD at the University of Illinois at Urbana-Champaign, and she is now an Associate Professor in the College of Liberal Arts and also affiliated with the Center for Human-aware AI, the PhD Program in Computing and Information Sciences, and the Department of Computer Science at RIT. She is currently on a sabbatical in the Department of Computer Science and Media Technology at Malmö University, Sweden.

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UNIVERSITY PHOTOGRAPHER



Journal Paper: Schroeder, Jonathan, Janet Borgerson, and Zhiyan Wu. "A Brand Culture Approach to Brand Literacy: Consumer Co-creation and Emerging Chinese Luxury Brands." *Studies on Cultural Management in China* 1. (2019): 1-10. Print. £

Invited Keynote/Presentation: Schroeder, Jonathan. "Non-fiction Publishing." The Ladder Literary Conference. Writers and Books. Rochester, NY. 8 Jun. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Schroeder, Jonathan. "Everyday We Write The Book: The Pleasures, Perils, and Possibilities of Writing CCT-Based Books." Consumer Culture Theory Conference. Consumer Culture Theory Consortium. Montreal, QC. 19 Jul. 2019. Conference Presentation. * £

Tracy Worrell, Associate Professor

Invited Keynote/Presentation: Worrell, Tracy and Kelly Martin. "Vivid Evidence: The Development of Design Principle Scales for Visual Communication." National Communication Association. Rochester Institute of Technology. Rochester, New York. 15 Nov. 2019. Conference Presentation. *

Department of Economics

Amit Batabyal, Professor

Journal Paper: Batabyal, Amit and Peter Nijkamp. "Creative Capital, Information and Communication Technologies, and Economic Growth in Smart Cities." *Economics of Innovation and New Technology* 28. (2019): 142-155. Print. *

Journal Paper: Batabyal, Amit and Hamid Beladi. "Probabilistic Approaches to Cleaning the Ganges in Varanasi to Attract Tourists." *Natural Resource Modeling* 32. (2019): 1-11. Web. *

Journal Paper: Batabyal, Amit and Henk Folmer. "Space and the Environment: An Introduction to the Topical Collection." *Letters in Spatial and Resource Sciences* 12. (2019): 1-7. Web. *

Journal Paper: Batabyal, Amit, Karima Kourtit, and Peter Nijkamp. "Using a Local Public Good to Attract and Retain the Creative Class." *Regional Science Policy and Practice* 11. (2019): 571-581. Print. *

Journal Paper: Batabyal, Amit, Karima Kourtit, and Peter Nijkamp. "New Technological Knowledge, Rural and Urban Agriculture, and Steady State Economic Growth." *Networks and Spatial Economics* 19. (2019): 717-729. Print. *

Journal Paper: Batabyal, Amit and Hamid Beladi. "The Optimal Provision of Information and Communication Technologies in Smart Cities." *Technological Forecasting and Social Change* 147. (2019): 216-220. Print. *

Journal Paper: Batabyal, Amit and Hamid Beladi. "Preference Matching, Income, and Population Distribution in Urban and Adjacent Rural Regions." *Papers in Regional Science* 98. (2019): 2201-2208. Print. *

Journal Paper: Batabyal, Amit and Peter Nijkamp. "The Magnification of a Lagging Region's Initial Economic Disadvantages on the Balanced Growth Path." *Asia-Pacific Journal of Regional Science* 3. (2019): 719-730. Print. *

Journal Paper: Xing, Shiqi and Amit Batabyal. "A Safe Minimum Standard, an Elasticity of Substitution, and the Cleanup of the Ganges in Varanasi." *Natural Resource Modeling* 32. (2019): 1-11. Web. *

Journal Paper: Batabyal, Amit and Seung Jick Yoo. "A Stochastic Model of Competition between Two Cities for Members of the Creative Class." *Regional Science Inquiry* 11. (2019): 37-42. Web. *

Full Length Book: ed, Amit Batabyal., Yoshiro Higano, ed, and Peter Nijkamp, ed. *Disease, Human Health, and Regional Growth and Development in Asia*. 1 ed. Tokyo, Japan: Springer, 2019. Print. *

Book Chapter: Batabyal, Amit, Yoshiro Higano, and Peter Nijkamp. "Introduction to Disease, Human Health, and Regional Growth and Development in Asia." *Disease, Human Health, and Regional Growth and Development in Asia*. Ed. Amit Batabyal, Yoshiro Higano, and Peter Nijkamp. Tokyo, Japan: Springer, 2019. 3-19. Print. *

Book Chapter: Batabyal, Amit and Peter Nijkamp. "Sustainable Development and Regional Growth Revisited." *Handbook of Regional Growth and Development Theories*. Ed. Roberta Capello and Peter Nijkamp. Northampton, MA: Edward Elgar, 2019. 344-365. Print. *

Published Review: Batabyal, Amit. "Book Review." Rev. of *The Economics of Religion in India*, by Sriya Iyer. *Choice* 15 Jun. 2019: 781-782. Print. £

Published Review: Batabyal, Amit. "Book Review." Rev. of *The Cost-Benefit Revolution*, by Cass Sunstein. *Regional Science Policy and Practice* 15 May 2019: 207-209. Print. £

Published Review: Batabyal, Amit. "Book Review." Rev. of *The Rent Curse*, by R.M. Auty and H.I. Furlonge. *Choice* 15 Jul. 2019: 1391. Print. £

Published Review: Batabyal, Amit. "Book Review." Rev. of *Macroeconomics of the Black Economy*, by S Chattopadhyay. *Regional Science Policy and Practice* 15 Jul. 2019: 625-626. Print. £

Published Review: Batabyal, Amit. "Book Review." Rev. of *A Quantum Leap in the Wrong Direction?*, eds. R. Azad, et al. *Choice* 15 Jul. 2019: 1506. Print. £

Published Review: Batabyal, Amit. "Book Review." Rev. of *The China-India Rivalry in the Globalization Era*, ed. T.V. Paul. *Regional Science Policy and Practice* 15 Aug. 2019: 752-754. Print. £

Published Review: Batabyal, Amit. "Book Review." Rev. of *How Change Happens*, by C.R. Sunstein. *INFORMS Journal on Applied Analytics* 15 Aug. 2019: 305-306. Print. £

Invited Article/Publication: Batabyal, Amit. "United States Economy: Beguilingly Calm Period Before Proverbial Storm?" *The Globe Post*. (2019). Web. £

Invited Article/Publication: Batabyal, Amit. "Vital Economic Data was Likely Lost During the Shutdown---Her's Why it Matters to All Americans." *The Conversation*. (2019). Web. £

Invited Article/Publication: Batabyal, Amit. "US-China Trade Talks: Will the Chinese Keep Promises to Stop Bad Behavior?" *The Conversation*. (2019). Web. £

Invited Article/Publication: Batabyal, Amit. "WTO Offers Trump a Solution to Enforcing a Trade Deal with a China That Breaks Promises." *The Conversation*. (2019). Web. £

Invited Article/Publication: Batabyal, Amit. "How to Pay for Roads When Electric Cars Predominate." *Rochester Business Journal*. (2019). Print. £

Invited Article/Publication: Batabyal, Amit. "Is Huawei a national Security Threat to US and its Allies?" *The Globe Post*. (2019). Web. £

Invited Article/Publication: Batabyal, Amit. "Pollution from U.S. Manufacturing: Why Has it Gone Down?" *Rochester Business Journal*. (2019). Print. £

Invited Article/Publication: Batabyal, Amit. "Creative People Don't Guarantee Prosperity." *Rochester Democrat and Chronicle*. (2019). Print. £

Invited Article/Publication: Batabyal, Amit. "Trump Will Not be Heralding Victory in Trade War with China Anytime Soon." *The Globe Post*. (2019). Web. £

Invited Article/Publication: Batabyal, Amit.
"Could a Weakening US Economy Imperil Trump's Trade War with China?" The Conversation. (2019). Web. £

Invited Article/Publication: Batabyal, Amit.
"Are Rare Earth Elements an Ace Up China's Sleeve in Trade War with the U.S.?" Rochester Business Journal. (2019). Print. £

Invited Article/Publication: Batabyal, Amit.
"The Bigger Underlying Issues of the US-China Trade War May be Insoluble." The Globe Post. (2019). Web. £

Invited Article/Publication: Batabyal, Amit.
"Should Higher Education in the United States be Free?" The College Post. (2019). Web. £

Invited Article/Publication: Batabyal, Amit.
"Do Doctors Practice Defensive Medicine and, if Yes, do Patients Benefit?" Rochester Business Journal. (2019). Print. £

Invited Article/Publication: Batabyal, Amit.
"China's Worldwide Investment Project is a Push for More Economic and Political Power." The Conversation. (2019). Web. £

Invited Article/Publication: Batabyal, Amit.
"The Economics of China's Belt and Road Initiative: Rhetoric and Reality." Rochester Business Journal. (2019). Print. £

Invited Article/Publication: Batabyal, Amit.
"The Onslaught of Robots: Is it Real and What Should we Do?" Rochester Business Journal. (2019). Print. £

Journal Editor: Batabyal, Amit, ed. Letters in Spatial and Resource Sciences. Heidelberg: Springer, 2019. Web. *

Journal Editor: Ed, Amit Batabyal, Assoc, ed. Theoretical Economics Letters. Beijing: Scientific Research Publishing, 2019. Web. *

Journal Editor: Ed, Amit Batabyal, Assoc, ed. Asia-Pacific Journal of Regional Science. Tokyo: Springer, 2019. Print. «

Journal Editor: Ed, Amit Batabyal, Assoc, ed. Economics Bulletin. Nashville: Economics Bulletin Publishing, 2019. Web. *

Journal Editor: Council, Amit Batabyal, Ed, ed. Review of Development Economics. New York: Wiley, 2019. Print. *

Shows/Exhibits/Installations: Batabyal, Amit. Connections with Evan Dawson. 8 Apr. 2019. WXXI Studio, Rochester. Performance.

Shows/Exhibits/Installations: Batabyal, Amit. Overnights with Trevor Chappell. 17 Sep. 2019. ABC Studio, Melbourne. Performance.

Shows/Exhibits/Installations: Batabyal, Amit. Connections with Evan Dawson. 25 Sep. 2019. WXXI Studio, Rochester. Performance.

Shows/Exhibits/Installations: Batabyal, Amit. Overnights with Trevor Chappell. 16 Oct. 2019. ABC Studio, Melbourne. Performance.

Shows/Exhibits/Installations: Batabyal, Amit. WXXI Evening News. 16 Dec. 2019. WXXI Studio, Rochester. Performance.

Invited Keynote/Presentation: Batabyal, Amit. "Preference Matching, Income, and Population Distribution in Urban and Adjacent Rural Regions." Southern Regional Science Association (SRSA) Annual Conference. SRSA. Arlington, VA. 17 Apr. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "Preference Matching, Income, and Population Distribution in Urban and Adjacent Rural Regions." Mid-Continent Regional Science Association (MCRSA) Annual Conference. MCRSA. Madison, WI. 4 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"A Safe Minimum Standard, an Elasticity of Substitution, and the Cleanup of the Ganges in Varanasi." Allied Social Science Association (ASSA) Annual Meeting. ASSA. Atlanta, GA. 3 Jan. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"A Safe Minimum Standard, an Elasticity of Substitution, and the Cleanup of the Ganges in Varanasi." Southern Regional Science Association (SRSA) Annual Conference. SRSA. Arlington, VA. 17 Apr. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"A Safe Minimum Standard, an Elasticity of Substitution, and the Cleanup of the Ganges in Varanasi." IEOR Seminar, Indian Institute of Technology (IIT). IIT. Mumbai, India. 28 Jul. 2019. Address.

Invited Keynote/Presentation: Batabyal, Amit.
"A Safe Minimum Standard, an Elasticity of Substitution, and the Cleanup of the Ganges in Varanasi." Association of Indian Economic and Financial Studies (AIEFS) Biennial Conference. AIEFS. Bhubaneswar, India. 29 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"Using Local Public Goods to Attract and Retain the Creative Class: A Tale of Two Cities." Southern Regional Science Association (SRSA) Annual Conference. SRSA. Arlington, VA. 17 Apr. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"Using Local Public Goods to Attract and Retain the Creative Class: A Tale of Two Cities." Mid-Continent Regional Science Association (MCRSA) Annual Conference. MCRSA. Madison, WI. 3 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"Using Local Public Goods to Attract and Retain the Creative Class: A Tale of Two Cities." European Regional Science Association (ERSA) Annual Conference. ERSA. Lyon, France. 26 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"Using Local Public Goods to Attract and Retain the Creative Class: A Tale of Two Cities." Regional Studies Association (RSA) North America Conference. RSA. Montreal, Canada. 21 Sep. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"The Optimal Provision of Information and Communication Technologies in Smart Cities." Mid-Continent Regional Science Association (MCRSA) Annual Conference. MCRSA. Madison, WI. 3 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"The Optimal Provision of Information and Communication Technologies in Smart Cities." Association of Indian Economic and Financial Studies (AIEFS) Biennial Conference. AIEFS. Bhubaneswar, India. 27 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"The Optimal Provision of Information and Communication Technologies in Smart Cities." Regional Science Association International (RSAI) Japan Section Annual Meeting. RSAI Japan Section. Kurume, Japan. 17 Sep. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"The Optimal Provision of Information and Communication Technologies in Smart Cities." Regional Studies Association (RSA) North America Conference. RSA. Montreal, Canada. 21 Sep. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit.
"The Optimal Provision of Information and Communication Technologies in Smart Cities." North American Regional Science Council (NARSC) Annual Conference. NARSC. Pittsburgh, PA. 16 Nov. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "Using Utilitarian and Rawlsian Policies to Attract the Creative Class: A Tale of Two Cities." Association of Indian Economic and Financial Studies (AIEFS) Biennial Conference. AIEFS. Bhubaneswar, India. 28 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "Using Utilitarian and Rawlsian Policies to Attract the Creative Class: A Tale of Two Cities." European Regional Science Association (ERSA) Annual Conference. ERSA. Lyon, France. 28 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "Using Utilitarian and Rawlsian Policies to Attract the Creative Class: A Tale of Two Cities." Regional Science Association International (RSAI) Japan Section Annual Meeting. RSAI Japan Section. Kurume, Japan. 20 Sep. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "Using Utilitarian and Rawlsian Policies to Attract the Creative Class: A Tale of Two Cities." North American Regional Science Council (NARSC) Annual Conference. NARSC. Pittsburgh, PA. 17 Nov. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "A Political Economy Model of the Ganges Pollution Cleanup Problem." The Regional Science Academy (TRSA) Workshop. TRSA. Lyon, France. 27 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "The Impact of Preference Matching on Tourism in a Model with Two Possible Destinations." The Regional Science Academy (TRSA) Workshop. TRSA. Kurume, Japan. 16 Sep. 2019. Conference Presentation.

Invited Keynote/Presentation: Batabyal, Amit. "C.S. Holling, Resilience, and the Use of Resilience in Regional Science: Five Outstanding Issues." The Regional Science Academy (TRSA) Workshop. TRSA. Kurume, Japan. 17 Sep. 2019. Keynote Speech.

Invited Keynote/Presentation: Batabyal, Amit. "China's Belt and Road Initiative and President Trump's Trade War with China." Rochester Monroe County Central Library Lecture. Rochester and Monroe County Central Library. Rochester, New York. 5 Oct. 2019. Lecture.

Invited Keynote/Presentation: Batabyal, Amit. "China's Belt and Road Initiative and President Trump's Trade War with China." The Highlands at Pittsford Lecture. The Highlands at Pittsford. Pittsford, New York. 8 Oct. 2019. Lecture.

Invited Keynote/Presentation: Batabyal, Amit. "Decentralized versus Centralized Provision of Urban Anti-Crime Technologies in a Model with Three Cities." Cities 4 People International Workshop, organized by The Regional Science Academy (TRSA). TRSA. 's-Hertogenbosch, The Netherlands. 15 Nov. 2019. Conference Presentation.

Journal Paper: Batabyal, Amit and Seung Jick Yoo. "Using Utilitarian and Rawlsian Policies to Attract the Creative Class: A Tale of Two Cities." Munich Personal RePEc Archive Paper No. 91827. (2019): 1-17. Web. £

Journal Paper: Batabyal, Amit and Peter Nijkamp. "The Magnification of a Lagging Region's Initial Economic Disadvantages on the Balanced Growth Path." Munich Personal RePEc Archive Paper No. 93486. (2019): 1-22. Web. £

Journal Paper: Batabyal, Amit and Seung Jick Yoo. "A Stochastic Model of Competition between Two Cities for Members of the Creative Class." Munich Personal RePEc Archive Paper No. 95452. (2019): 1-8. Web. £

Journal Paper: Batabyal, Amit, Karima Kourtiti, and Peter Nijkamp. "Using Local Public Goods to Attract and Retain the Creative Class: A Tale of Two Cities." Munich Personal RePEc Archive Paper No. 94119. (2019): 1-23. Web. £

Journal Paper: Xing, Shiqi and Amit Batabyal. "A Safe Minimum Standard, an Elasticity of Substitution, and the Cleanup of the Ganges in Varanasi." Munich Personal RePEc Archive Paper No. 93846. (2019): 1-22. Web. £

Journal Paper: Batabyal, Amit and Hamid Beladi. "The Optimal Provision of Information and Communication Technologies in Smart Cities." Munich Personal RePEc Archive Paper No. 95451. (2019): 1-21. Web. £

Nikolaus Kasimatis, Assistant Professor

Journal Paper: Robalino, Nikolaus, Daniel Monte, and Ideen Riahi. "Collusion and Turnover in Experience Goods Markets." Review of Economic Design. (2019): 91-111. Print. *

Journal Paper: Robalino, Nikolaus and Arthur Robson. "The Biological Foundations of Economic Preferences." Oxford Research Encyclopedia, Economics and Finance. (2019): 1-22. Print. *

Jeffrey Wagner, Professor

Journal Paper: Grzelka, Zachary and Jeffrey Wagner. "Managing Satellite Debris in Low-Earth Orbit: Incentivizing Ex Ante Satellite Quality and Ex Post Take-Back Programs." Environmental and Resource Economics 74. 1 (2019): 319-336. Print. «

Department of English

Cecilia Alm, Associate Professor

Published Conference Proceedings: Bohlin, Gustaf, et al. "Considerations for Face-based Data Estimates: Affect Reactions to Videos." Proceedings of the Third International Conference on Human Computer Interaction Theory and Applications. Ed. Manuela Chessa, Alexis Paljic, and Jose Braz. Prague, Czech Republic: SCITEPRESS, 2019. Web. «

Published Conference Proceedings: Kafle, Sushant, Cecilia O. Alm, and Matt Huenerfauth. "Modeling Acoustic-prosodic Cues for Word Importance Prediction in Spoken Dialogues." Proceedings of the 8th Workshop on Speech and Language Processing for Assistive Technologies, SLPAT 2019 (at NAACL 2019). Ed. Manuela Chessa, Alexis Paljic, and Jose Braz. Minnesota, MS: ACL, 2019. Web. *

Published Conference Proceedings: Kessler, Lucas, Cecilia O. Alm, and Reynold Bailey. "Synthesized Spoken Names: Biases Impacting Perception." Proceedings of the Interspeech (Show and Tell). Ed. Pejman Mowlae, Mario Huemer, and Philipp Salletmayr. Graz, Austria: n.p., 2019. Web. *

Published Conference Proceedings: Kafle, Sushant, Cecilia O. Alm, and Matt Huenerfauth. "Fusion Strategy for Prosodic and Lexical Representations of Word Importance." Proceedings of the Interspeech. Ed. Thomas Hain and Björn Schuller. Graz, Austria: ISCA, 2019. Web. *

Published Conference Proceedings: Saraf, Monali, et al. "Multimodal Anticipated Versus Actual Perceptual Reactions." Proceedings of the ICM19: Adjunct of the 21st ACM International Conference on Multimodal Interaction, Suzhou, China). Ed. Wen Gao, et al. Suzhou, China: ACM, 2019. Web. «

Published Conference Proceedings: Wang, Regina, et al. "Fusing Dialogue and Gaze from Discussions of 2D and 3D Scenes." Proceedings of the ICM19: Adjunct of the 21st ACM International Conference on Multimodal Interaction. Ed. Wen Gao, et al. Suzhou, China: ACM, 2019. Web. «

Published Conference Proceedings: Lucas, Elizabeth, Cecilia O. Alm, and Reynold Bailey. "Understanding Human and Predictive Moderation of Online Science Discourse." Proceedings of the 2019 IEEE Western New York Image and Signal Processing Workshop (WNYISPW). Ed. Raymond Ptucha. Rochester, New York: IEEE, 2019. Web. *

Invited Keynote/Presentation: Alm, Cecilia O. "Sensing language (+ X) for human-centered AI." Talk at the Natural Language Processing Research Group. IT University of Copenhagen. Copenhagen, Denmark. 3 Oct. 2019. Guest Lecture.

Invited Keynote/Presentation: Alm, Cecilia O. "Modeling Complex Human-generated Multilevel Behaviors." IoTaP Seminar. Malmö University. Malmö, Sweden. 11 Nov. 2019. Guest Lecture.

Invited Keynote/Presentation: Alm, Cecilia O. "Eliciting, Analyzing, Fusing, and Visualizing Dialogue and Gaze." Multidisciplinary Approaches to Eye-tracking Research Workshop. Malmö University. Malmö, Sweden. 24 Nov. 2019. Guest Lecture.

External Scholarly Fellowships/National Review Committee:

12/17/2019 -

11/30/2020

STINT

Amount: 139,000 SEK, MAU, T. Pederson

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External Scholarly Fellowships/National Review Committee:

4/1/2019 -

3/31/2022

National Science Foundation

Amount: \$379,927, incl. \$20,000

supplement.

*

A.J. Caschetta, Principal Lecturer

Journal Paper: Caschetta, A.J. "'Why Are Academics Ignoring Iran's Colonialism?'" National Review December 27. (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "'Iranian Protests Are Not About the Price of Gas'" The Hill. December 2 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "'The Iranian Hostage-Takers in 1979 Were Not 'Students'" National Review. November 4 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "'Twitter Falls for the Terrorist Wing Scam'" The Daily Wire. October 24 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "'Islamic Reform: Craig Considine's Bridge to Nowhere'" New English Review October. (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "War Isn't Over Just Because You Want It To Be Over." The Daily Wire. September 11 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "Middle East Scholars Blame Trump for an Iran Policy 40 Years in the Making." The Hill. August 20 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "Encouraging Palestinians to Swim Uphill." Jewish News Syndicate. August 5 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "U.S.-Saudi Policy Needs a Dose of Realpolitik." The Hill. July 20 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "In Death, Morsi Becomes Mossadeq." New English Review. July 3 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "MESA Demands U.S. Welcome Palestinian Terrorist Apologist Hanan Ashrawi." Jewish News Syndicate. June 16 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "Two More Jihadists Get Out of Jail Early." Washington Examiner. May 25 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "Why the Middle East Studies Association Should Not Defend Omar Barghouti,." History News Network. May 5 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "The Middle East Comes to Sri Lanka." The Hill. April 26 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "ISIS Bride Hoda Muthana Was an ISIS Propagandist, Not Some Brainwashed Child." Washington Examiner. February 25 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "Al-Shabaab Jumps on the Anti-Israel, Anti-Trump Bandwagon." The Hill. February 13 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "In Criticizing Israel, MESA Ignores Terror Threats on Palestinian Campuses." The Tower. February 6 (2019): N/A. Web. £

Journal Paper: Caschetta, A.J. "While 2018 Was a Good Year for Islamists, 2019 is Looking Even Better." Jewish News Syndicate. January 11 (2019): N/A. Web. £

Robert D Glick, Associate Professor

Full Length Book: Glick, Robert. Two Californias. Brooklyn, NY: C and R Press, 2019. Print. «

Sean C Grass

Full Length Book: Grass, Sean. The Commodification of Identity in Victorian Narrative: Autobiography, Sensation, and the Literary Marketplace. 1st ed. Cambridge, UK: Cambridge University Press, 2019. Print. ~

Journal Paper: Grass, Sean. "Accounting for Taste: Very Hard Cash and Middle-Class Readership." Victorian Periodicals Review 52. 3 (2019): 464-488. Print. *

Danielle Pafunda

Full Length Book: Pafunda, Danielle. Beshrew. Block Island, RI: Dusie Press, 2019. Print.

Laura A Shackelford, Associate Professor

Invited Article/Publication: Laura, Shackelford,. "Reading Forensics: La Biblioteca Roja: Brevisima relación de la destrucción de los libros." Afterimage: The Journal of Media Arts and Cultural Criticism. (2019). Print. Δ

Invited Keynote/Presentation: Shackelford, Laura. "Data Sense-Making." Data and Stories in Digital Health Care. Mixed Methods for Medical Humanities Workshop. Charité – University Medical Center. Berlin, DE. 6 Dec. 2019. Conference Presentation. ≠

Department of Fine Arts

Rebecca Scales, Associate Professor

Invited Keynote/Presentation: Scales, Rebecca P. "Radio Broadcasting, Disability Activism, and the Welfare State in Liberation-Era France." Department of History. Leeds University. Leeds, UK. 29 Mar. 2019. Lecture.

Department of History

Tamar Carroll, Associate Professor

Shows/Exhibits/Installations: Carroll, Tamar, et al. Selections from "Whose Streets? Our Streets!:" New York City, 1980-2000. By 3 Sep. 2019. Lane Hall Gallery, Department of Women's Studies, University of Michigan, Ann Arbor, MI. Exhibit.

Published Review: Carroll, Tamar. "Book Review." Rev. of Polarized Families, Polarized Parties: Contesting Values and Economics in American Politics, ed. Benjamin Irvin. Journal of American History Sep. 2019: 488-489. Print. £

Published Review: Carroll, Tamar. "Book Review." Rev. of Clio's Foot Soldiers: Twentieth-Century U.S. Social Movements and Collective Memory, ed. Bruce Dinges. Journal of Arizona History Mar. 2019: 121-123. Print. £

Published Review: Carroll, Tamar. "Revisiting Second Wave Feminism: New Chronologies, Geographies, & Appraisals." Rev. of Janet Allured. Remapping Second-Wave Feminism. Shelah Gilbert Leader & Patricia Rush Hyatt. American Women on the Move. Barbara Molony & Jennifer Nelson, eds., Women's Activism and "Second Wave" Feminism. Jocelyn Olcott, International Women's Year., ed. Jean Quataert. Journal of Women's History Sep. 2019: 136-146. Print. £

Invited Keynote/Presentation: Carroll, Tamar. "Feminist Genealogies: Coalitions for Social Change." From Protest to Politics: Women's Movements and Strengthening Democracies. University of Buffalo. Buffalo, NY. 12 Apr. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Carroll, Tamar. "Bloom Where You're Planted: A Humanist at a Tech School." U-M History in the Public Service: A Vision for the Humanities PhD in the 21st Century. University of Michigan. Ann Arbor, MI. 22 Nov. 2019. Conference Presentation. Δ

Joseph Henning, Associate Professor

Journal Paper: Henning, Joseph M. "Very Beautiful Heathenism": The Light of Asia in Gilded Age America." Journal of American-East Asian Relations 26. (2019): 21-50. Print. «

Published Review: Henning, Joseph M. Rev. of By More than Providence: Grand Strategy and American Power in the Asia Pacific since 1783, by Michael J. Green. Journal of American History Sep. 2019: 417. Print. ~

Mary E Kitzel, Visiting Assistant Professor

Invited Keynote/Presentation: Kitzel, Mary E. "Making Deaf Rochester: The Development of a Deaf Community." Wentworth College Lecture Series. Wentworth College, York University. York, UK. 8 Jul. 2019. Guest Lecture.

Invited Keynote/Presentation: Kitzel, Mary E. "Making Their Place Here: 19th Century Deaf Rochester." Rochester's Rich History. Rochester Central Library, Office of the City Historian. Rochester, New York. 16 Mar. 2019. Lecture.

Richard Newman, Professor

Full Length Book: Newman, Richard. Love Canal: A Toxic History from Colonial Times to the Present. New Paperback Edition ed. New York, NY: Oxford University Press, 2019. Print. * £ ^

Full Length Book: Newman, Richard. Abolitionism: A Very Short Introduction. Audiobook edition ed. New York City, NY: Tantor Audio, 2019. Web. ^

Rebecca Scales, Associate Professor

Journal Paper: Scales, Rebecca P. "La Tribune de l'Invalide: Radio Broadcasting, Disability Activism, and the Remaking of the French Welfare State." French Politics, Culture, and Society 37. 3 (2019): 53-78. Print. «

Corinna Schlombs, Assistant Professor

Full Length Book: Schlombs, Corinna. Productivity Machines: German Appropriations of American Technology from Mass Production to Computer Automation. Cambridge, MA: MIT Press, 2019. Print. *

Journal Paper: Schlombs, Corinna. "Unerkannte Personen der Computertechnik: Dateneingabe im Bankwesen." Ferrum 91. (2019): 86-92. Print. Δ

Department of Modern Languages and Cultures

Nikolina Bozinovic

Journal Paper: Nikolina, Božinović, and Sindik Joško. "Female Students View The Knowledge of Foreign Languages as More Important for Careers in Tourism Than Male Students?" Media, culture and public relations 9. 1-2 (2018): 27-36. Web. «

Hiroko Yamashita, Professor

Peer Reviewed/Juried Poster Presentation: Yamashita, Hiroko and Franklin Chang. "Is Explicit Teaching of Second Languages Always Helpful? An Artificial Language Study." Proceedings of the Thirty-second Annual CUNY Conference on Human Sentence Processing. Ed. Albert Kim. Boulder, CO: n.p.. *

Department of Performing Arts and Visual Culture

Andy Head, Visiting Assistant Professor

Shows/Exhibits/Installations: Gunderson, Lauren. "I and You". 25 Oct. 2019. LBJ-1510 Lab Theatre, Rochester. Performance. ~

Peer Reviewed/Juried Poster Presentation: Kander, John, Fred Ebb, and Joe Masteroff. "Invited Scene: Cabaret." Proceedings of the Kennedy Center American College Theatre Festival - Region 2 Festival 51; Montclair State University; January 15-18, 2019. Ed. Andy Head. Montclair, New Jersey: n.p.. Δ

Department of Philosophy

Silvia Benso, Professor

Invited Keynote/Presentation: Benso, Silvia. "Resisting Reality: Vattimo's Weak Thought and the Dangerousness of Hermeneutics." Society for Phenomenology and Existential Philosophy Annual Meeting. Duquesne University. Pittsburgh, PA. 1 Nov. 2019. Conference Presentation. «

Invited Keynote/Presentation: Benso, Silvia. "Problematizing Italian Philosophy: A Response to Peter Carravetta's 'The Italian Differentia: Can There Be Philosophy without History?'" Columbia University Seminars on Modern Italian Studies. Columbia University's Italian Academy for Advanced Studies. New York, NY. 3 May 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Benso, Silvia. "Heidegger, Technology, and RIT." Heidegger Circle Annual Meeting. Nazareth College. Rochester, NY. 19 May 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Benso, Silvia. "Affirmative Biopolitics: Life, Love, and Politics in Lea Melandri." SIP—Society for Italian Philosophy Annual Meeting. Stony Brook University. Stony Brook, NY. 29 Mar. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Benso, Silvia. "On the Challenges, Futures, and Tasks of Academic Life Today: Publishing." Roundtable discussion, College of Fellows. University of Western Sydney. Sydney, AUS. 27 Nov. 2019. Conference Presentation.

Evelyn Brister, Associate Professor

Journal Paper: Brister, Evelyn. "Unifying Agricultural and Environmental Ethics." *Ethics, Policy & Environment* 22. 3 (2019): 251-258. Print. *

Published Review: Brister, Evelyn. "Feminist Criticism in Biology Exemplifies Philosophy of Science." Rev. of *Biology and Feminism: A Philosophical Introduction*, by Lynn Hankinson Nelson. *Metascience* 2019: 277-280. Print. ~

John Capps, Professor

Journal Paper: Capps, John. "The Pragmatic Theory of Truth." *Stanford Encyclopedia of Philosophy*. (2019): N/A. Web. Δ

Journal Paper: Capps, John. "Playing Fair by William James." *Transactions of the Charles S. Peirce Society* 55. 1 (2019): 65-70. Print. Δ

Journal Paper: Capps, John. "Playing Fair by William James." *Transactions of the Charles S. Peirce Society* 55. 1 (2019): 65-70. Print. Δ

Journal Paper: Capps, John. "The Pragmatic Theory of Truth." *Stanford Encyclopedia of Philosophy*. (2019): N/A. Web.

Brian Schroeder, Professor

Journal Paper: Schroeder, Brian. "Hiding Between Basho and Chōra: Re-imagining and Re-placing the Elemental." *Research in Phenomenology* 49. 3 (2019): 335-361. Print. * £

Invited Keynote/Presentation: Schroeder, Brian Shūdō. "Living the Great Death." Why the Kyoto School Today? Conference. King's University College. London, Ontario, Canada. 23 Mar. 2019. Keynote Speech.

Invited Keynote/Presentation: Schroeder, Brian. "Time to Bloom: On Agamben and Debord." Society for Italian Philosophy. Stony Brook University. Stony Brook, NY. 29 Mar. 2019. Conference Presentation. £

Invited Keynote/Presentation: Schroeder, Brian. "Becoming-Sorcerer, Becoming-Dao: Daoism, Deleuze, and Guattari." Comparative and Continental Philosophy Circle. University of Leiden. Leiden, The Netherlands. 24 May 2019. Conference Presentation. £

Invited Keynote/Presentation: Schroeder, Shūdō Brian. "Qi Cultivation and Zen Practice." Dharma Talk. Eishōji Sōtō Zen Center. Seattle, WA. 8 Jun. 2019. Lecture. £

Invited Keynote/Presentation: Schroeder, Shūdō Brian. "Wandering and Wondering: On Being Here in the Now." Dharma Talk. Bellevue Zen Center. Bellevue, WA. 8 Sep. 2019. Lecture. Δ

Book Chapter: Schroeder, Brian Shūdō. "What is the Trace of the Original Face? Levinas, Buddhism, and the Mystery of Animality." *Face-to-Face with Animals: Levinas and the Animal Question*. Ed. Peter Atterton and Tamra Wright. Albany, NY: State University of New York Press, 2019. 185-202. Print. * £

Book Chapter: Schroeder, Brian. "Foreword: The Global-Historical Movement of Integral Thinking." *Dancing with Sophia: Integral Philosophy on the*. Ed. Sean Esbjörn-Hargens and Michael Schwartz. Albany, NY: State University of New York Press, 2019. xiii-xvi. Print. Δ £

Invited Keynote/Presentation: Schroeder, Brian. "Zen, Daoism, and the Environment." Pacific Association for the Continental Tradition Preconference Workshop. Seattle University. Seattle, WA. 10 Sep. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Schroeder, Shūdō Brian. "Lost at Sea: Finding One's Way in the Ocean of Buddha-Nature." Pacific Association for the Continental Tradition. Seattle University. Seattle, WA. 14 Sep. 2019. Conference Presentation. £

Invited Keynote/Presentation: Schroeder, Brian. "Emptiness and Nihilism: Altizer and Buddhism." Society for Phenomenology and Existential Philosophy. Duquesne University. Pittsburgh, PA. 31 Oct. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Schroeder, Brian. "Nomadism and Bioregionalism." International Association for Environmental Philosophy. Duquesne University. Pittsburgh, PA. 1 Nov. 2019. Conference Presentation. «

Invited Keynote/Presentation: Schroeder, Shūdō Brian. "Intrinsic Buddha-Nature: Śākya-muni's Great Realization." Rohatsu Dharma Talk. Eishōji Sōtō Zen Center. Seattle, WA. 7 Dec. 2019. Lecture. Δ

Invited Keynote/Presentation: Schroeder, Brian. "The Role of Philosophy in Contemporary Society." College of Fellows. Western Sydney University. Sydney, WA. 27 Nov. 2019. Conference Presentation. Δ

Department of Political Science

Benjamin Banta, Assistant Professor

Invited Paper: Banta, Benjamin R. "Critical Discourse Analysis and the Study of Humanitarian War." *SAGE Research Methods Cases*. (2019). Web. *

Journal Paper: Banta, Benjamin R. "The New War Thesis and Clausewitz: A Reconciliation." *Global Policy* 10. 4 (2019): 477-485. Print. «

Sarah M Burns, Assistant Professor

Full Length Book: Burns, Sarah. *The Politics of War Powers: The Theory and History of Presidential Unilateralism*. Lawrence, Kansas: University of Kansas Press, 2019. Print. *

Lauren Hall, Associate Professor

Full Length Book: Hall, Lauren K. *The Medicalization of Birth and Death*. 1 ed. Baltimore, MD: Johns Hopkins University Press, 2019. Print. *

Book Chapter: Hall, Lauren K. "Burke's Liberalism: Prejudice, Habit, and Affections and the Remaking of the Social Contract." *Reclaiming Liberalism*. New York, New York: Palgrave MacMillan, 2019. 100-130. Print. *

Stephen P Sims

Journal Paper: Sims, Stephen Patrick. "Ciceronian International Society." *Journal of International Political Theory*. (2019): 1-19. Web. «

Sean D Sutton, Professor

Full Length Book: Sutton, Sean D.(ed). *Biotechnology, Our Future As Human Beings and Citizens*. New York, NY: SUNY Press, 2009. Print. *

Department of Psychology

Caroline M DeLong, Associate Professor

Invited Keynote/Presentation: DeLong, Caroline M. "Cognitive Research with North American River Otters (*Lontra canadensis*) at the Seneca Park Zoo: A Presentation for International Otter Day." *International Otter Day*. Seneca Park Zoo. Rochester, NY. 26 May 2019. Guest Lecture. Δ

Invited Keynote/Presentation: Pluck, Ryan, et al. "Do North American River Otters (*Lontra canadensis*) Have a Global or Local Processing Strategy?" 26th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne Beach, FL. 11 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: Wegman, Jessica, et al. "A Preliminary Investigation of Categorization and Visual Object Constancy in North American River Otters (*Lontra canadensis*)." 26th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne Beach, FL. 13 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: Morelli, Janessa, et al. "Categorization of 3D Objects in Goldfish (*Carassius auratus*)." *RIT Undergraduate Research Symposium*. Rochester Institute of Technology. Rochester, NY. 1 Aug. 2019. Conference Presentation. *

Invited Keynote/Presentation: Wegman, Jessica, et al. "Can North American River Otters (*Lontra canadensis*) Categorize 2D Objects?" *RIT Undergraduate Research Symposium*. Rochester Institute of Technology. Rochester, NY. 1 Aug. 2019. Conference Presentation. *

Invited Keynote/Presentation: Morrison, Evan and Caroline M. DeLong. "Human Auditory Discrimination of Bottlenose Dolphin Signature Whistles Masked by Noise: Investigating Perceptual Strategies for Anthropogenic Noise Pollution." 26th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne Beach, FL. 11 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: DeLong, Caroline M., et al. "Visual Perception of Rotated 2D Color Representations of Familiar 3D Objects in Goldfish (*Carassius auratus*)." 26th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne Beach, FL. 10 Apr. 2019. Conference Presentation. *

Invited Keynote/Presentation: Morrison, Evan and Caroline M. DeLong. "Human Auditory Discrimination of Bottlenose Dolphin Signature Whistles Masked by Noise: Investigating Perceptual Strategies for Anthropogenic Noise Pollution." 177th Meeting of the Acoustical Society of America. Acoustical Society of America. Louisville, KY. 16 May 2019. Conference Presentation. *

Journal Paper: DeLong, Caroline M., et al. "North American River Otters (*Lontra canadensis*) Discriminate Between 2D Objects Varying in Shape and Color." *Learning and Behavior* 47. 1 (2019): 91-104. Print. *

Journal Paper: DeLong, Caroline M., et al. "Visual Perception in a Bottlenose Dolphin (*Tursiops truncatus*): Successful Recognition of 2D Objects Rotated in the Picture and Depth Planes." *Journal of Comparative Psychology Advance online publication*. (2019): 1-17. Web. *

Nicholas DiFonzo, Professor

Journal Paper: DiFonzo, Nicholas. "A Christian Psychology of Rumor." *Journal of Psychology and Christianity* 38. 1 (2019): 3-21. Print. *

John Edlund, Associate Professor

Journal Paper: Edlund, John E., et al. "Psi Chi Is Engaging Undergraduate Students in Publishable Research." *Psi Chi Journal of Psychological Research* 24. 1 (2019): 12-14. Print. «

Full Length Book: Edlund, John E. and Austin Lee Nichols. *Advanced Research Methods for the Social and Behavioral Sciences*. 1 ed. London, NA: Cambridge University Press, 2019. Print.

Journal Paper: Buck, Ashley E., et al. "Journal of Positive Sexuality, Vol. 5, No. 2, October 2019 © 2019 Center for Positive Sexuality Reactions to Homosexual, Transgender, and Heterosexual Public Displays of Affection." *Journal of Positive Sexuality* 5. 2 (2019): 34-47. Print. «

Journal Paper: Edlund, John E., et al. "Male Sexual Jealousy: Lost Paternity Opportunities?" *Psychological Reports* 122. 2 (2019): 575-592. Print. «

Journal Paper: Sutton, Tina M. and John E. Edlund. "Assessing Self-Selection Bias as a Function of Experiment Title and Description: The Effect of Emotion and Personality." *North American Journal of Psychology* 21. 2 (2019): 407-422. Print. «

Stephanie A Godleski, Assistant Professor

Book Chapter: Godleski, Stephanie and Kenneth Leonard. "Substance use and Substance Problems in Families: How Families Impact and are Impact by Substance use." *American Psychological Association Handbook of Contemporary Family Psychology*. Ed. B. Fiese. Washington, D.C.: American Psychological Association, 2019. 587-602. Print.

Journal Paper: Godleski, Stephanie, et al. "Etiological Pathways to Rejection Sensitivity in a High Risk Sample." *Personality and Social Psychology Bulletin* 45. 5 (2019): 715-727. Print. «

Journal Paper: Godleski, Stephanie, Barbara Lohse, and Jodi Stott. "Confirmatory Factor Analyses Support a 4-Factor Structure of the Satter Eating Competence Inventory and Migration of an Internal Regulation Item to the Eating Attitudes subscale." *Journal of Nutrition Education and Behavior* 51. 8 (2019): 1003-1010. Print. «

Ana Havelka Mestrovic

Published Review: Karlovic, Dalibor. Rev. of Psychology, by Ljiljana Pacic Turk, Ana Havelka Mestrovic, and Petra Jandrijevic. *RECOVERY OF MEMORY AFTER CEREBRAL ARTERY ANEURYSM SURGERY* 2019: 10. Web. *

Andrew Herbert, Professor

Journal Paper: Sutton, Tina M., Andrew M. Herbert, and Dailyn Q. Clark. "Valence, Arousal, and Dominance Ratings for Facial Stimuli." *Quarterly Journal of Experimental Psychology* 72. 8 (2019): 2046-2055. Print. *

Rebecca Houston, Assistant Professor

Journal Paper: Levine, Jacob A., et al. "Development and Psychometric Evaluation of a Brief Approach and Avoidance of Alcohol Questionnaire." *Alcoholism: Clinical and Experimental Research* 43. 2 (2019): 353-356. Print. *

Journal Paper: Ge, Yan, et al. "A Standardised Database of Chinese Emotional Film Clips." *Cognition and Emotion* 33. 5 (2019): 976-990. Print. *

Esa Rantanen, Associate Professor

Journal Paper: Hyönä, Jukka, Lauri Oksama, and Esa Rantanen. "Tracking the Identity of Moving Words: Stimulus Complexity and Familiarity Affects Tracking Accuracy." *Applied Cognitive Psychology*. (2019): 1-14. Web. * £

Published Conference Proceedings: Buck, Ashley and Esa M. Rantanen. "Multiple Identity Tracking and Motion Extrapolation." *Proceedings of the 20th International Symposium on Aviation Psychology*, Dayton, OH, May 7-10, 2019. Ed. Michael Vidulich and Pamela Tsang. Dayton, OH: n.p., Print. £

Published Conference Proceedings: Hannon, Daniel, et al. "A Human Factors Engineering Education Perspective on Data Science, Machine Learning and Automation." *Proceedings of the Human Factors and Ergonomics Society 2019 Annual Meeting*, Seattle, WA, October 28-November 2, 2019. Ed. HFES. Washington, DC: SAGE Publications, Print. *

Peer Reviewed/Juried Poster Presentation: Montoya, Juanita and Esa M. Rantanen. "Psychosocial Aspects of Workload in Nursing." *Proceedings of the Human Factors and Ergonomics Society 2019 Health Care Symposium*. Chicago, IL, March 25, 2019. Ed. HFES. Washington, DC: n.p.. £

Lindsay S Schenkel, Associate Professor

Peer Reviewed/Juried Poster Presentation: Popov, Victoria A. and Schenkel, Lindsay S. "Independent Contributions of Child Maltreatment and Schizotypy on Social Cognition and Interpersonal Functioning." *Proceedings of the Society for Research in Psychopathology*. Buffalo, NY. September, 2019. Ed. SRP. Buffalo, New York: n.p.. *

Peer Reviewed/Juried Poster Presentation: LaRock, Kristina M., et al. "Alexithymia and Maternal Attachment as Mediators in the Relationship between Child Maltreatment and Bipolar Symptomatology in Young Adults." *Proceedings of the Society for Research in Psychopathology*. Buffalo, NY. September, 2019. Ed. SRP. Buffalo, New York: n.p.. *

Peer Reviewed/Juried Poster Presentation: Popov, Victoria A. and Schenkel, Lindsay S. "Sign Language and Deaf Cultural Identity as Protective Factors against Psychological Maladjustment among Deaf College Students." *Proceedings of the Association for Behavioral and Cognitive Therapies Annual Convention*, New York, NY. November, 2019. Ed. ABCT. Atlanta, Georgia: n.p.. *

Tina M Sutton, Assistant Professor

Journal Paper: Sutton, Tina M., Andrew M. Herbert, and Dailyn Q. Clark. "Valence, Arousal, and Dominance Ratings for Facial Stimuli." *Quarterly Journal of Experimental Psychology* 72. 8 (2019): 2046-2055. Print. *

Journal Paper: Sutton, Tina M. and John E. Edlund. "Assessing Self-selection Bias as a Function of Experiment Title and Description: The Effect of Emotion and Personality." *North American Journal of Psychology* 21. 2 (2019): 407-422. Print. *

Peer Reviewed/Juried Poster Presentation:

Sutton, Tina M., Ryan Hildebrandt, and Roni Crumb. "State Dependent Learning and Note-taking Strategies." Proceedings of the 31st Annual Convention for the Association of Psychological Science, Washington DC May 23-26. Ed. Nathalie L. Rothert. Washington, DC: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Hildebrandt, Ryan and Tina M. Sutton. "Investigating Emotion-label and Emotion-laden Words in a Semantic Satiation Paradigm." Proceedings of the 60th Annual Meeting of the Psychonomic Society, Montreal, Canada, November 14-17th. Ed. Duane Watson. Montreal, Canada: n.p.. *

Department of Science, Technology, and Society

Christine Keiner, Associate Professor

Journal Paper: Keiner, Christine. "The Maryland Oyster Aquaculture Transition: Balancing Economics, Ecology, and Equity." *Southeastern Geographer* 59. (2019): 40-51. Print. *

National/International Competition Award

Winner: Keiner, Christine. *Journal of the History of Biology*. 2019 Everett Mendelsohn Prize. Utrecht, Netherlands, 2019.

Invited Keynote/Presentation: Keiner, Christine. "Roundtable: Revisiting Neptune's Garden: Science, Technology, and Environment in Oceanic History." North American Society for Oceanic History. North American Society for Oceanic History. New Bedford, Massachusetts. 17 May 2019. Conference Presentation.

Invited Keynote/Presentation: Keiner, Christine. "The Unbuilt Central American Sea-Level Canal and the Environmental History of Unrealized Megaprojects." American Society for Environmental History. American Society for Environmental History. Columbus, Ohio. 11 Apr. 2019. Conference Presentation.

Invited Keynote/Presentation: Keiner, Christine. "Domesticating the Maryland Oyster: From Regulated Commons to Aquaculture Enterprise Zones." Agricultural Historical Society. Agricultural Historical Society. Washington, DC. 7 Jun. 2019. Conference Presentation.

Kaitlin Stack Whitney, Visiting Assistant Professor

Invited Article/Publication: Whitney, Christie A Bahlai, Lewis J Bartlett, Kevin R Burgio, Auriel MV Fournier, Carl N Keiser, Timothee Poisot, Kaitlin Stack. "Open Science Isn't Always Open to All Scientists: Current efforts to make research more accessible and transparent can reinforce inequality within STEM professions." *American Scientist*. (2019). Print. ^

Journal Paper: Schlager, Samuel C Zipper, Kaitlin Stack Whitney, Jillian M Deines, Kevin M Befus, Udit Bhatia, Sam J Albers, Janice Beecher, Christa Brelsford, Margaret Garcia, Tom Gleeson, Frances O'Donnell, David Resnik, Edella. "Balancing Open Science and Data Privacy in the Water Sciences." *Water Resources Research* 55. 7 (2019): 5202-5211. Print. *

Journal Paper: Whitney, Evan Morrison, Alexandra Shipman, Shradha Shrestha, Evan Squier, Kaitlin Stack. "Evaluating The Ocean Cleanup, a Marine Debris Removal Project in the North Pacific Gyre, Using SWOT Analysis." *Case Studies in the Environment*. (2019): N/A. Web. *

Journal Paper: Ruder, Elizabeth H. and Kaitlin Stack Whitney. "Inclusion of Individuals with Disabilities in Academy Diversity Initiatives." *Journal of the Academy of Nutrition and Dietetics* 119. 10 (2019): 1619-1620. Web. £

Journal Paper: A, Lauer, et al. "Scientific meetings for all." *Eos* 101. (2020): N/A. Web. £

Kristoffer J Whitney, Assistant Professor

Published Review: Whitney, Kristoffer. "Book Review." Rev. of *Listening in the Field: Recording and the Science of Birdsong*, by Joeri Bruyninckx. *Journal of the History of Biology* 1 Jul. 2019: 491-492. Print. Δ

Published Review: Whitney, Kristoffer. "Book Review." Rev. of *Animal Musicalities: Birds, Beasts, and Evolutionary Listening*, by Rachel Mundy. *Environmental History* 6 Aug. 2019: 832-834. Print. Δ

Invited Article/Publication: Whitney, Kristoffer. "Margaret Morse Nice thought like a song sparrow and changed how scientists understand animal behavior." *The Conversation*. (2019). Web.

Department of Sociology and Anthropology

Jeffrey Burnette, Assistant Professor

Journal Paper: Burnette, Jeffrey D. and Weiwei Zhang. "Distributional Differences and the Native American Gender Wage Gap." *Economies* 7. 2 (2019): 46. Web. «

Conerly Casey, Associate Professor

Journal Paper: Casey, Conerly. "Memories of Violence in Spiritual Renewal." *Sikh Formations: Religion, Culture, Theory* 15. (2019): 1-13. Web. *

Invited Keynote/Presentation: Casey, Conerly. "Sensory Stimulations and Ecologies of Healing." *Health Humanities: Medicine, Illness, Disability, and Culture*. Syracuse University. Syracuse, NY. 26 Apr. 2019. Conference Presentation.

Invited Keynote/Presentation: Casey, Conerly. "Talking with Spirits: Eco-Intimacy and Spirit Exorcism in the Nigerian Sahel." Department of Linguistics. University of Rochester. Rochester, NY. 6 Dec. 2019. Guest Lecture.

Jessica Hardin

Journal Paper: Hardin, Jessica. "'It's Almost Like Paying for Praying': Giving Critiques and the Discursive Management of Denominational Difference." *Anthropological Quarterly* 92. 4 (2019): 1099-1122. Print. «

Journal Paper: Hardin, Jessica and Hanna Garth. "On the Limitations of Barriers: Social Visibility, Fear of Consequences and Weight Management in Cuba and Samoa." *Social Science & Medicine*. (2019): online first. Print. «

Full Length Book: Hardin, Jessica. *Faith and the Pursuit of Health: Cardiometabolic Disorders in Samoa*. New Brunswick, NJ: Rutgers University Press, 2019. Print. *

Journal Paper: Hardin, Jessica and Chistina Kwauk. "Elemental Eating: Samoan Public Health and Valuation." *The Contemporary Pacific* 31. 2 (2019): 381-415. Print. «

Journal Paper: Hardin, Jessica. "Father Released Me": Accelerating Care, Temporal Repair, and Ritualized Friendship among Pentecostal Women in Samoa." *American Ethnologist* 46. 2 (2019): 150-161. Print. «

Christine Kray, Associate Professor

Published Review: Kray, Christine A. Rev. of *Telling and Being Told: Storytelling and Cultural Control in Contemporary Yucatec Maya Literatures*, by Paul M. Worley. *Journal of American Folklore* 2017: 130 (516): 223-225. Print. Δ

Invited Keynote/Presentation: Kray, Christine A. "'Before you put an 'I Voted' Sticker on Susan B. Anthony's Grave, Remember she was a Racist': Trumpian Abjection and the Stickiness of White Feminism." 2019 Feminist-Pragmatist Colloquium. St. John Fisher College. Rochester, NY. 15 Nov. 2019. Conference Presentation. £

Book Chapter: Church, Minette C., Jason Yaeger, and Christine A. Kray. "Re-Centering the Narrative: British Colonial Memory and the San Pedro Maya." *Archaeologies of the British in Latin America*. Ed. Charles E. Orser, Jr.. Cham, Switzerland: Springer International, 2019. 73-97. Print. *

Invited Keynote/Presentation: Kray, Christine A. "Writing against Culture: Dramatizing the Caste War in British Honduras." Annual meetings. American Society for Ethnohistory. State College, PA. 27 Sep. 2019. Conference Presentation. £

Invited Keynote/Presentation: Kray, Christine A. "Crosses, Burned Churches, and Kidnapped Priests: Ambivalent Maya Catholics in 19th-century British Honduras." Annual meetings. Society for American Archaeology. Albuquerque, NM. 12 Apr. 2019. Conference Presentation. £

Invited Keynote/Presentation: Kray, Christine A. "A Renaissance of Feminist Ritual: Susan B. Anthony's Grave on Election Day." Conference on "The Uses and Abuses of History in the Trump Era". Rochester Institute of Technology. Rochester, NY. 28 Mar. 2019. Conference Presentation.

Invited Keynote/Presentation: Kray, Christine A. and Tamar W. Carroll. "Nasty Women and Bad Hombres: Gender and Race in the 2016 US Presidential Election." Invited webinar for Rochester Institute of Technology alumni. Rochester Institute of Technology. Rochester, NY. 9 Jan. 2019. Address.

Wenjie Liao

Journal Paper: Liao, Wenjie. "Legitimacy of authoritarian law: Legal compliance in China." *International Sociology* 34. 6 (2019): 675-695. Print. «

Journal Paper: Ebert, Kim, Wenjie Liao, and Emily P. Estrada. "Apathy and Color-Blindness in Privatized Immigration Control." *Sociology of Race and Ethnicity*. (2019): online first. Web. «

Uli Linke, Professor

Book Chapter: Linke, Uli. "Language as Battleground: 'Speaking' the Nation, Lingual Citizenship, and Diversity Management in Post-Unification Germany." *Refugees Welcome? Difference and Diversity in a Changing Germany*. Ed. Jan-Jonathan Bock and Sharon Macdonald. New York/Oxford, USA and UK: Berghahn Books, 2019. 41-66. Print. *

Invited Keynote/Presentation: Linke, Uli. "The Optics of Dispossession: Urban Poverty as Political Art." Session: The City as a Work of Art: Examining Artistic Influences on Urban Transformation (Part 1). American Anthropological Association/Canadian Association of Social Anthropology. Vancouver, Canada. 21 Nov. 2019. Conference Presentation. £

Robert Ulin, Professor

Published Review: Ulin, Robert C. "Review of Chaia Heller's *Food, Farms and Solidarity*." *Rev. of Food, Farms and Solidarity: French Farmers Challenge Industrial Agriculture & Genetically Modified Crops*, by Chaia Heller. *Review of Food, Farms and Solidarity* Aug. 2014: 599-600. Print. *

College of
Science

Chester F. Carlson Center for Imaging Science

Charles Bachmann, Associate Professor

Journal Paper: Badura, Gregory P., et al. "A Novel Approach for Deriving LAI of Salt Marsh Vegetation Using Structure from Motion and Multi-Angular Spectra." IEEE Journal of Selected Topics In Applied Earth Observations And Remote Sensing 12. 2 (2019): 599-613. Web. * £

Journal Paper: Badura, Greg and Charles M. Bachmann. "Assessing Effects of Azimuthally Oriented Roughness on Directional Reflectance of Sand." IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 12. 3 (2019): 1012-1025. Print. * £ ≠

Journal Paper: Badura, Gregory, et al. "Observed Relationship Between BRF Spectral-Continuum Variance and Macroscopic Roughness of Clay Sediments." IEEE Transactions on Geoscience and Remote Sensing 57. 9 (2019): 6726-6740. Print. * £ ≠

Journal Paper: Eon, R. S., et al. "Retrieval of Salt Marsh Above-ground Biomass From High-spatial Resolution Hyperspectral Imagery Using PRO-SAIL." Remote Sensing 11. 11 (2019): 1385. Web. * £ ≠

Published Conference Proceedings: Bachmann, Charles M. and Reid Nichols. "Hyperspectral Imager for Updated Littoral Situational Awareness (HULA)." Proceedings of the NOAA Emerging Technologies Workshop. Ed. NOAA. College Park, MD: NOAA Emerging Technologies Workshop 2019 Report, 2019. Web. Δ

John Kerekes, Professor

Journal Paper: Han, Sanghui, et al. "Band Selection Method for Subpixel Target Detection Using Only the Target Reflectance Signature." Applied Optics 58. 11 (2019): 2981-2993. Print. *

Journal Paper: Han, Sanghui and John Kerekes. "Overview of Passive Optical Multispectral and Hyperspectral Image Simulation Techniques." IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 10. 11 (2017): 4794-4804. Print. *

Published Conference Proceedings: Cui, Zhaoyu and John P. Kerekes. "Potential of Red Edge Spectral Bands in Future Landsat Satellites on Agroecosystem Canopy Chlorophyll Content Retrieval." Proceedings of the 2019 IEEE International Geoscience and Remote Sensing Symposium (IGARSS). Ed. IEEE. Yokohama, Japan: n.p., 2019. Print. ~

Published Conference Proceedings: Han, Sanghui, et al. "Prediction and Assessment Comparison for Optimizing Spectral Imaging System Design." Proceedings of the 2019 IEEE International Geoscience and Remote Sensing Symposium (IGARSS). Ed. IEEE. Yokohama, Japan: n.p., 2019. Print. ~

Journal Paper: Myers, Emily, et al. "Assessing the Impact of Satellite Revisit Rate on Estimation of Corn Phenological Transition Timing through Shape Model Fitting." Remote Sensing 11. 21 (2019): 1-21. Print. ~

David Messinger, Professor

Journal Paper: Bai, Di, David Messinger, and David Howell. "A Hyperspectral Image Spectral Unmixing and Classification Approach to Pigment Mapping in Historical Artifacts." Journal of the American Institute of Conservation 58. 1-2 (2019): 68-89. Print. £

Published Conference Proceedings: Taufique, Abu Md and David Messinger. "Hyperspectral Pigment Analysis of Cultural Heritage Artifacts Using the Opaque Form of Kubelka-Munk Theory." Proceedings of the Algorithms, Technologies, and Applications for Multispectral and Hyperspectral Imagery XXV. Ed. Miguel Velez-Reyes and David Messinger. Baltimore, MD: SPIE, 2019. Print.

Published Conference Proceedings: Peery, Tyler and David Messinger. "Panchromatic Sharpening Enabling Low-intensity Imaging of Cultural Heritage Documents." Proceedings of the Image Sensing Technologies: Materials, Devices, Systems, and Applications VI. Ed. Nibir K. Dhar, Achyut K. Dutta, and Sachidananda R. Babu. Baltimore, MD: SPIE, 2019. Print.

Carl Salvaggio, Professor

Journal Paper: Mamaghani, Baabak and Carl Salvaggio. "Multispectral Sensor Calibration and Characterization for sUAS Remote Sensing." Sensors 19. 20 (2019): 4453-4482. Web. *

Published Conference Proceedings: Aardt, Jan van, et al. "Transforming Disease Management Through the Use of Unmanned Aerial Systems." Proceedings of the International Congress of Plant Pathology (ICPP) 2018 - Plant Health in a Global Economy. Ed. Mary Palm and Stephanie Bloem. Boston, MA: APS, 2018. Web. *

Published Conference Proceedings: Hughes, Ethan, et al. "Snap Bean Flowering Detection from UAS Imaging Spectroscopy." Proceedings of the 14th International Conference on Precision Agriculture. Ed. Georg Bareth, Fei Yuan, and Wolfgang Kainz. Montreal, Quebec, Canada: International Society of Precision Agriculture (ISPA), 2018. Web. *

Journal Paper: Kaputa, Daniel, et al. "MX-1: A New Multi-Modal Remote Sensing UAS Payload with High Accuracy GPS and IMU." IEEE Xplore 2019 IEEE Systems and Technologies for Remote Sensing Applications Through Unmanned Aerial Systems (STRATUS). (2019): 1-4. Web. *

Journal Paper: McKay, Troy, et al. "Remotely Detected Vehicle Mass From Engine Torque-induced Frame Twisting." Optical Engineering 56. 6 (2017): 063101-1-063101-8. Web. *

Published Conference Proceedings: Zhang, Chi, et al. "Batch-normalized Recurrent Highway Networks." Proceedings of the 2017 IEEE International Conference on Image Processing (ICIP), 17-20 September 2017, Beijing, China. Ed. Jiebo Luo, Wenjun Zeng, and Yu-Jin Zhang. Beijing, China: n.p., Web. *

Published Conference Proceedings: Sun, Shaohui and Carl Salvaggio. "Complex Building Roof Detection and Strict Description from LiDAR Data and Orthorectified Aerial Imagery." Proceedings of the IEEE IGARRS 2012 - Analysis Techniques: Image Processing Techniques, Feature Detection in Images. Ed. Alberto Moreira and Yves-Louis Desnos. Munich, Germany: n.p., Web. *

Published Conference Proceedings: Sponagle, Paul and Carl Salvaggio. "Automatic Mission Planning Algorithms for Aerial Collection of Imaging-Specific Tasks." Proceedings of the Autonomous Air and Ground Sensing Systems for Agricultural Optimization and Phenotyping II. Ed. J. Alex Thomasson, Mac McKee, and Robert Moorhead. Anaheim, CA: SPIE, 2017. Web. *

Published Conference Proceedings: Bondi, Elizabeth, et al. "Calibration of UAS Imagery Inside and Outside of Shadows for Improved Vegetation Index Computation." Proceedings of the Autonomous Air and Ground Sensing Systems for Agricultural Optimization and Phenotyping. Ed. John Valasek. Baltimore, MD: SPIE, 2016. Web. *

Journal Paper: Mamaghani, Baabak and Carl Salvaggio. "Comparative Study of Panel and Panelless-Based Reflectance Conversion Techniques for Agricultural Remote Sensing." American Journal of Agricultural Science 6. 4 (2019): 40-58. Web. *

Journal Paper: Mamaghani, Baabak, M. Grady Saunders, and Carl Salvaggio. "Inherent Reflectance Variability of Vegetation." Agriculture 9. 11 (2019): 246-270. Web. *

Featured Faculty

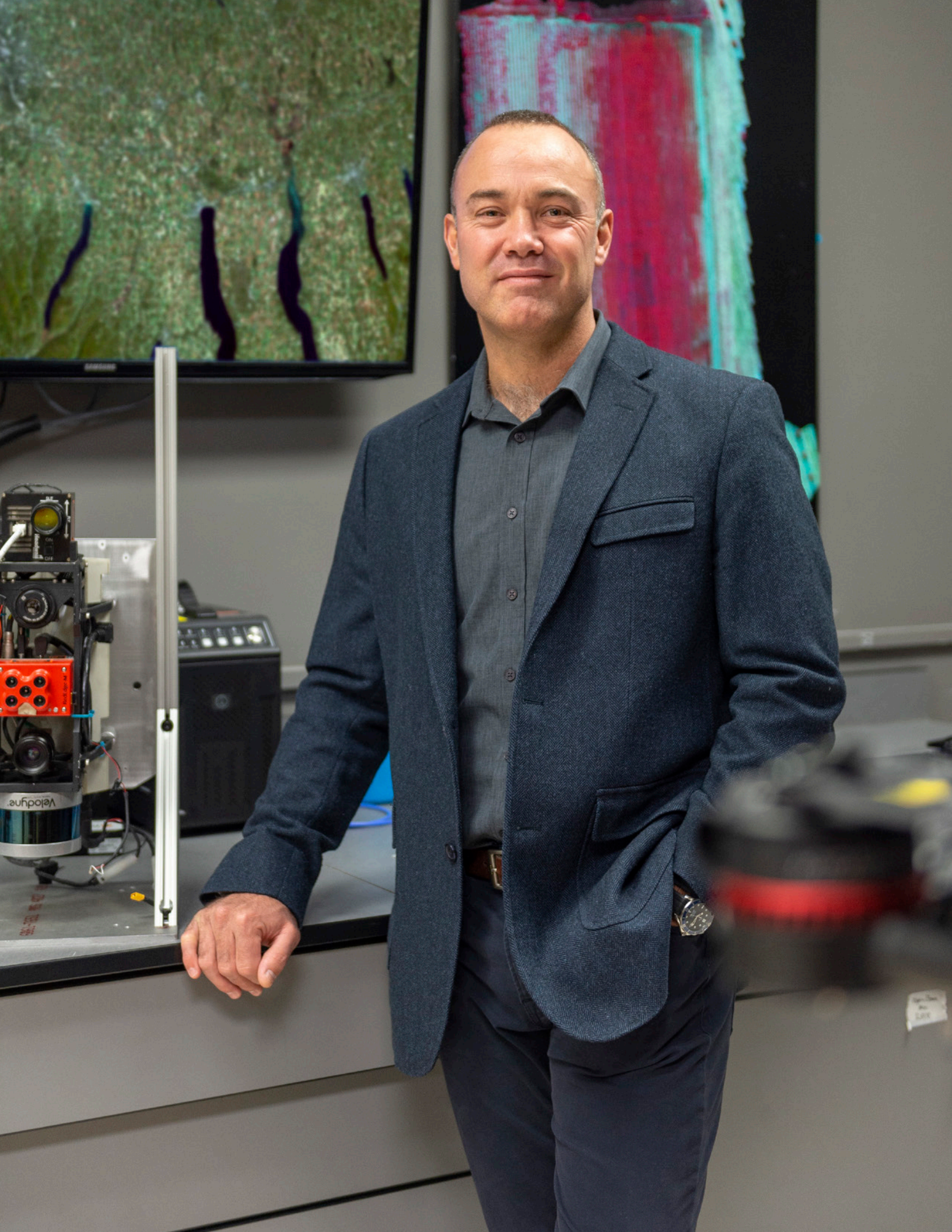
DR. JAN VAN AARDT OBTAINED A BSC FORESTRY DEGREE (BIOMETRY AND SILVICULTURE SPECIALIZATION) FROM THE UNIVERSITY OF STELLENBOSCH, STELLENBOSCH, SOUTH AFRICA. THIS WAS FOLLOWED BY MS AND PHD FORESTRY DEGREES,

Jan focused on remote sensing (imaging spectroscopy and light detection and ranging; lidar), at the Virginia Polytechnic Institute and State University, Blacksburg, Virginia. He worked as a post-doctoral researcher at the Katholieke Universiteit Leuven, Belgium, and then as research group leader at the Council for Scientific and Industrial Research, South Africa, before joining RIT's Chester F. Carlson Center for Imaging Science in 2008. Imaging spectroscopy and structural (lidar) sensing of natural resources, from forests to crops, form the core of his efforts, with projects varying between vegetation structural and system state (physiology) assessment. He has received funding from NSF, NASA, Google, NGA, and USDA, among others, and has published >70 peer-reviewed journal papers and >100 conference contributions... mostly vicariously via his students, of course!

Jan currently supervises nine graduate students, with projects ranging from the assessment of light transport through forest canopies toward improved waveform lidar analysis (improved ecosystem structural characterization), terrestrial lidar research in tropical mangrove forests (quantification of sediment elevation changes, as a function of climate change), spectral and thermal characterization of duck nests/plumage (for improved conservation management), and precision agriculture projects focused on i) yield forecasting, ii) harvest maturity assessment, and iii) disease detection and risk prediction. Many of the students rely heavily on unmanned aerial systems (UAS), or lidar system and simulation tools developed in the Center, which involves many other research or staff scientists. The research group's high-level goal is to develop imaging/sensing solutions for crop growers, ecologists, and image science "practitioners", using cutting-edge sensing modalities, like imaging spectroscopy, that can be used to scale solutions from the plant- to the field- to the landscape level, depending on application.

**Jan van Aardt,
Professor,
RIT College of Science**

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ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Jan van Aardt, Professor

Journal Paper: Ali, Rouzbeh-Kargar,, et al. "A Density-Based Approach for Leaf Area Index Assessment in a Complex Forest Environment Using a Terrestrial Laser Scanner." *Remote Sensing* 11. 1791 (2019): 1-21. Web. *

Journal Paper: Erich, Seifert,, et al. "Influence of Drone Altitude, Image Overlap, and Optical Sensor Resolution on Multi-View Reconstruction of Forest Images." *Remote Sensing* 11. 1252 (2019): 1-19. Web. *

Journal Paper: Michael, McClelland,, Jan A. van Aardt, and Darin Hale. "Manned Aircraft Versus Small Unmanned Aerial System—Forestry Remote Sensing Comparison Utilizing Lidar and Structure-From-Motion for Forest Carbon Modeling and Disturbance Detection." *Journal of Applied Remote Sensing* 14. 2 (2019): 1-22. Web. *

Journal Editor: Aardt, Jan A. van, ed. *IEEE Transactions on Geoscience and Remote Sensing*. New York: IEEE, 2019. Web. *

External Scholarly Fellowships/National Review Committee:

1/1/2017 -

12/31/2020

National Ecological Observation Network (NEON)

Amount: 0

External Scholarly Fellowships/National Review Committee:

1/1/2017 -

12/31/2020

National Ecological Observation Network (NEON)

Amount: 0

Published Conference Proceedings: Ronnie, Izzo,, et al. "An Initial Analysis of Real-Time sUAS-Based Detection of Grapevine Water Status in The Finger Lakes Wine Country of Upstate New York." *Proceedings of the SPIE Commercial & Scientific Sensing and Imaging; Autonomous Air and Ground Sensing Systems for Agricultural Optimization and Phenotyping IV*. Ed. SPIE. Baltimore, MD: SPIE, 2019. Web.

Anthony Vodacek, Professor

Journal Editor: Associate, Editor, ed. *Journal of Great Lakes Research*. Duluth, MN: Elsevier, 2019. Print.

Color Science

Roy Berns, Professor

Journal Paper: Berns, Roy S. "Digital Color Reconstructions of Cultural Heritage Using Color-managed Imaging and Small-aperture Spectrophotometry." *Color Research and Application* 44. (2019): 531-546. Print. *

Published Conference Proceedings: Fukumoto, K., N. Tsumura, and R. S. Berns. "Estimating Concentrations of Pigments Using Encoder-decoder Type of Neural Network." *Proceedings of the IS&T, 27th Color Imaging Conference*. Ed. n/a. Washington, DC: n.p., Print. *

Mark Fairchild, Professor

Journal Paper: Fairchild, M.D. "CIE 015:2018 Colorimetry, 4th Edition." *Color Research and Application* 44. (2019): 674-675. Web. £

Published Conference Proceedings: Masao-ka, K., et al. "Color Gamut of Multi-chromatic Displays." *Proceedings of the ID International Symposium Digest of Technical Papers*. Ed. SID. San Diego, CA: n.p., 2019. Web. £

Invited Article/Publication: Fairchild, M.D. "Curious Kids: How do my Eyes Adjust to the Dark and How Long does it Take?" *The Conversation*. (2019). Web. Δ

Journal Paper: Farnand, S., R. Ramchandran, and M.D. Fairchild. "Color vision differences following retinal detachment and subsequent cataract surgery." *Journal of Imaging Science and Technology* 63. (2019): 40405-1-40405-8. Web. *

Published Conference Proceedings: Farnand, S., R. Ramchandran, and M.D. Fairchild. "Color Vision Differences Following Retinal Detachment and nt and Subsequent Cataract Surgery Subsequent Cataract Surgery." *Proceedings of the IS&T 27th Color and Imaging Conference*. Ed. IS&T. Paris, France: n.p., 2019. Web. *

Published Conference Proceedings: Jiang, F., M.D. Fairchild, and K. Masaoka. "Erceptual Estimation of Diffuse White Level in HDR Images." *Proceedings of the IS&T 27th Color and Imaging Conference*. Ed. IS&T. Paris, France: n.p., 2019. Web. *

Journal Paper: Robinson, A. and M.D. Fairchild. "Comparing Medical Grade to Commercial Grade Display in a Radiation Oncology Department." *Medical Dosimetry* 44. (2019): 10.1016/j.med-dos.2019.07.005. Web. *

Journal Paper: Masaoka, K., et al. "Analysis of Color Volume of Multi-chromatic Displays Using Gamut Rings." *Journal of the Society for Information Display* 50. (2019): 10.1002/jsid.852. Web. *

Published Conference Proceedings: Fairchild, M.D. "What Sets the State of Chromatic Adaptation?" *Proceedings of the OSA Fall Vision Meetin*. Ed. OSA. Washington, DC: n.p., 2019. Web. *

Journal Paper: Abasi, S., M.A. Tehran, and M.D. Fairchild. "Distance Metrics for Very Large Color Differences." *Color Research and Application* 44. (2019): 10.1002/col.22451. Web. *

Susan Farnand, Assistant Professor

Journal Paper: Farnand, Susan P., Rajeev Ramchandran, and Mark Fairchild. "Color Vision Differences Following Retinal Detachment and Subsequent Cataract Surgery." *Journal of Imaging Science and Technology* 63. 4 (2019): NA. Web. «

Journal Paper: Ronnenberg, Matthew and Susan P. Farnand. "The Effect of Sub-surface Structure on the Color Appearance of 3D Printed Objects." *Journal of Imaging Science and Technology* 63. 4 (2019): NA. Web. «

Invited Paper: Farnand, Susan P. "Evaluating Colour Quality of Smartphone Images." *Transactions Imaging/Art/Science: Image Quality, Content and Aesthetics*. (2019). Print. Δ

Book Chapter: Farnand, Susan P. "Adaptation." *Encyclopedia of Color Science and Technology*. Ed. Renzo Shamey. NA, NA: Springer Publishing Company, Incorporated, 2019. NA. Web. Δ

Book Chapter: Farnand, Susan P. and Rolf G. Kuehni. "Colors: Where are they?" *Encyclopedia of Color Science and Technology*. Ed. Renzo Shamey. NA, NA: Springer Publishing Company, Incorporated, 2020. NA. Web. Δ

Published Conference Proceedings: Xie, Hao, et al. "Color Mismatches across Commercial Displays: Modeling the Effect of Observer Metamerism." *Proceedings of the Society for Information Display Technical Symposium*, May 2019, San Jose, CA. Ed. SID. San Jose, CA: n.p., 2019. Print. *

Published Conference Proceedings: Farnand, Susan P., et al. "Bringing the Humanities and Engineering Together through Multi-disciplinary Senior Design team projects." *Proceedings of the IS&T's Archiving, Lisbon, May 2019*. Ed. Society for Imaging Science and Technology. Springfield, VA: n.p., 2019. Web. *

Michael J Murdoch, Assistant Professor

Journal Paper: KONG, XIANGZHEN, et al. "Perceived Speed of Changing Color in Chroma and Hue Directions in CIELAB." *Journal of the Optical Society of America A* 36. 6 (2019): 1022-1032. Web. «

Journal Paper: Murdoch, Michael J. "Dynamic Color Control in Multiprimary Tunable LED Lighting Systems." *Journal of the Society for Information Display*. (2019): 1-11. Web. «

Peer Reviewed/Juried Poster Presentation: Xie, Hao, et al. "Color Mismatches across Commercial Displays: Modeling the Effect of Observer Metamerism." *Proceedings of the 2019 SID Technical Symposium*. Ed. NA. San Jose, CA: Society for Information Display. £

Invited Article/Publication: Murdoch, Michael J. "Dynamic Color Control in Multiprimary Tunable LED Lighting Systems." *SID 2019 Digest of Technical Papers*. (2019). Web. *

Journal Paper: Hassani, Nargess and Michael J. Murdoch. "Investigating Color Appearance in Optical See-through Augmented Reality." *Color Research and Application* 44. 4 (2019): 492-507. Web. «

Published Conference Proceedings: Spieringhs, Rik M., Michael J. Murdoch, and Ingrid M.L.C. Vogels. "Time Course of Chromatic Adaptation Under Dynamic Lighting." *Proceedings of the IS&T 27th Color and Imaging Conference: October 2019, Paris, France*. Ed. Nicolas Bonnier. Springfield, VA: Society for Imaging Science and Technology, 2019. Web. «

School of Chemistry and Materials Science

Paul A Craig, Professor

Journal Paper: Roberts, Rebecca, et al. "Flexible Implementation of the BASIL CURE." *Biochemistry & Molecular Biology Education* 47. 5 (2019): 498-505. Print. *

Journal Paper: Zhang, Jimmy F., et al. "BioVR: A Platform for Virtual Reality Assisted Biological Data Integration and Visualization." *BMC Bioinformatics* 20. (2019): 78. Web. «

Matt Miri, Associate Professor

Journal Paper: Borries, Frederick A., et al. "Ketallization of 2-Heptanone to Prolong its Activity as Mite Repellent for the Protection of Honey Bees." *Journal of the Science of Food and Agriculture* 99. (2019): 6267-6277. Print. *

Kalathur S Santhanam, Professor

Journal Paper: Santhanam, K.S.V. and C. Bopp. "Corrosion Protection of Monel Alloy Coated with Graphene Quantum Dots Starts with a Surge." *Chemical Engineering* 3. 80 (2019): 1-11. Web. «

Gerald Takacs, Professor

Journal Paper: Shin, Lutondo, and Gerald A. Takacs, et al. "Surface Modification of Polyethersulfone (PES) with Ozone." *OZONE: SCIENCE & ENGINEERING* 41. 5 (2019): 448-453. Print. £

Invited Keynote/Presentation: Bailey, Alla and Takacs, Gerald A. "Clean Energy Generation Using Fuel Cells (Educational Experience)." 14th World Bioenergy Congress and Expo. Editors of J. Fundamental of Renewable Energy and Applications. London, England. 6-7 Jun. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Takacs, Gerald A. "Surface Modification of Polyethersulfone (PES) with Ozone and UV Photo-oxidation." Tenth International Symposium on Polymer Surface Modification: Relevance to Adhesion. RIT. Rochester, NY. 19-21 Jun. 2019. Conference Presentation. Δ

External Scholarly Fellowships/National Review Committee:

11/1/2018 -
11/1/2019
Constellation's E2 Energy to Educate Program
Amount: \$25,000
≠

Book Chapter: Vega, Katherine and Gerald A. Takacs, et al. "Enhancing the Wettability of Polybenzimidazole (PBI) to Improve Fuel Cell Performance/Chapter 9." *Advances in Contact Angle, Wettability and Adhesion: Volume 4*. Ed. Kash L. Mittal. Beverly, MA: Scrivener Publishing, 2019. 179-192. Print. *

Scott Williams, Professor

Journal Paper: Ouyang, J., et al. "Photonic Sintering of Aerosol Jet Printed Lead Zirconate Titanate (PZT) Thick Films." *Journal of the American Ceramic Society* 99. 8 (2016): 2569-2577. Print. £

Published Conference Proceedings: Knowles, A., et al. "Incorporating Quantum Dots in a Magnesium Fluoride Matrix to Enable Deep-UV Sensitivity for Standard Silicon Based Imaging Detectors." *Proceedings of the SPIE Defense+Commercial Sensing*. Ed. SPIE. Baltimore, MD: International Society for Optics and Photonics, 2019. Web. Δ

Full Patent: Heglund, Daniel, et al. "Chemical Assay to Verify the Quantity and Quality of Sesquiterpene Lactone Derivatives." U.S. Patent 10429400. 1 Oct. 2019.

Journal Paper: Mahajan, Chaitanya G., et al. "Magnetic Field Patterning of Nickel Nanowire Film Realized by Printed Precursor Inks." *Materials* 12. 6 (2019): 1-12. Print. *

External Scholarly Fellowships/National Review Committee:

6/3/2019 -

8/9/2019

Summer Faculty Fellowship Program - Air Force Research Laboratory
Amount: \$27,840

Journal Paper: Mahajan, Chaitanya, et al. "Materials Sciences and Applications." *Formation of copper nickel bimetallic nanoalloy film using precursor inks*. 10. (2019): 349-363. Web. *

School of Mathematical Sciences

Ephraim Agyingi, Associate Professor

Journal Paper: Agyingi, Ephraim and Tamas Wiandt. "Analysis of a Model of Leishmaniasis with Multiple Time Lags in all Populations." *Mathematical and Computational Applications* 24. (2019): 63. Web. £ ~

Invited Keynote/Presentation: Agyingi, Ephraim. "A Generalized Model of the Transmission Dynamics of Leishmaniasis with Multiple Time Delays." *Biology and Medicine Through Mathematics (BAMM)*. Virginia Commonwealth University. Richmond, VA. 15-17 May 2019. Conference Presentation. £

Invited Keynote/Presentation: Agyingi, Ephraim. "Simulation of Leishmania Mexicana Infection: A Mathematical Model of the Immune Response." *Seventh International Conference on Mathematical Modeling and Analysis of Populations in Biological Systems*. Arizona State University. Tempe, AZ. 12-14 Oct. 2019. Conference Presentation. £

Nathaniel S Barlow, Assistant Professor

Journal Paper: Weinstein, Steven J., et al. "On Oblique Liquid Curtains." *Journal of Fluid Mechanics* 876. R3 (2019): 1-9. Print. *

Nathan D. Cahill, Associate Professor

Published Conference Proceedings: Hayes, Tyler L., Nathan D. Cahill, and Christopher Kanan. "Memory Efficient Experience Replay for Streaming Learning." *Proceedings of the International Conference on Robotics and Automation (ICRA)*. Ed. None. Montreal, Canada: IEEE, 2019. Web. «

Journal Paper: Moudgalya, Sanketh S., et al. "Cochlear Pharmacokinetics - Micro-Computed Tomography and Learning-Prediction Modeling for Transport Parameter Determination." *Hearing Research* 380. (2019): 46-59. Print. «

Published Conference Proceedings: Zikri, Yehuda Kfir Ben, et al. "Toward an Affine Feature-Based Registration Method for Ground Glass Lung Nodule Tracking." Proceedings of the ECCOMAS Thematic Conference on Computational Vision and Medical Image Processing. Ed. J. M. R. S. Tavares and R. M. Natal Jorge. Switzerland, Switzerland: Springer Nature, 2019. Web. «

Manuela Campanelli, Professor

Invited Keynote/Presentation: Campanelli, Manuela. "Simulations of Binary Black Hole Mergers in the Multi-Messenger Astrophysics Era." The 29th Workshop on General Relativity and Gravitation in Japan. Kobe University. Kobe, Japan, n/a. 25 Nov. 2019. Conference Presentation.

Journal Paper: Campanelli, Manuela, et al. "Quasi-periodicity of Supermassive Binary Black Hole Accretion Approaching Merger." The Astrophysical Journal 879. 2 (2019): 1-9. Web.

Journal Paper: Campanelli, Manuela, et al. "Eccentric Binary Black Holes with Spin via the Direct Integration of the Post-Newtonian Equations of Motion." APS Physics 100. 2 (2019): 24015. Web.

Journal Paper: Campanelli, Manuela, et al. "The Second RIT Binary Black Hole Simulations Catalog and its Application to Gravitational Waves Parameter Estimation." APS Physics 100. 2 (2019): 24021. Web.

Journal Paper: Zlochower, Yosef, et al. "On the Properties of the Massive Binary Black Hole Merger GW170729." APS Physics 100. 10 (2019): 104015. Web.

Invited Keynote/Presentation: Campanelli, Manuela. "Simulations of Binary Black Hole Mergers in the Multi-Messenger Astrophysics Era." Quasars in Crisis 2019. Royal Observatory Edinburgh. Edinburgh, Scotland, n/a. 6 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Campanelli, Manuela. "Computational Challenges in Multi-messenger Astrophysics." Physics and Astronomy Colloquium. Physics and Astronomy, University of Denver. Denver, CO. 15 Apr. 2019. Guest Lecture.

Invited Keynote/Presentation: Campanelli, Manuela. "Accretion Dynamics of Binary Black Holes Approaching Merger." Cosmology: The End of the Beginning. Future Prospects in Cosmology. Kavli Institute for Cosmology, University of Cambridge. Cambridge, UK, n/a. 16 Sep. 2019. Conference Presentation.

Invited Keynote/Presentation: Campanelli, Manuela. "Simulations of Accreting Binary Supermassive Black Holes Approaching Merger." Simons Program: Current Themes in High Energy Physics and Cosmology -- Physics and Astrophysics in the Era of Gravitational Wave Detection. Niels Bohr Institute. Copenhagen, Denmark, n/a. 19 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Campanelli, Manuela. "How Supercomputer Simulations of Binary Black Holes & Neutron Stars Can Reveal the Hidden Universe." OAC-CI Webinar Series. National Science Foundation. n/a, n/a. 18 Jul. 2019. Keynote Speech.

Invited Keynote/Presentation: Campanelli, Manuela. "The Mathematics of Gravitational Waves." Webinar Series on Mathematical Frontiers. National Academies of Sciences, Engineering, and Medicine. n/a, n/a. 9 Apr. 2019. Keynote Speech.

Invited Keynote/Presentation: Campanelli, Manuela. "Revealing The Hidden Universe With Black Hole Mergers." Distinguished Lecture on Astronomy. Arecibo Observatory - Learning Center. Puerto Rico, n/a. 12 Mar. 2019. Guest Lecture.

Invited Keynote/Presentation: Campanelli, Manuela. "Women in Multimessenger Astrophysics!" Charla de Mujeres Científicas. COFI. San Juan, Puerto Rico, n/a. 11 Mar. 2019. Guest Lecture.

Invited Keynote/Presentation: Campanelli, Manuela. "Shedding Light on Binary Black Holes Mergers with Numerical Simulations." Computational Challenges in Gravitational Wave Astronomy. IPAM, UCLA. Los Angeles, CA. 28 Jan. 2019. Conference Presentation.

Invited Keynote/Presentation: Campanelli, Manuela. "Shedding Light on Binary Supermassive Black Hole Mergers." Testing Gravity 2019. Simon Fraser University. Vancouver, Canada, n/a. 24 Jan. 2019. Conference Presentation.

Invited Keynote/Presentation: Campanelli, Manuela. "Shedding Light on Spiraling Supermassive Black Holes." Science Seminars at the Laser Lab. University of Rochester. Rochester, NY. 30 Nov. 2018. Keynote Speech.

Raluca Felea, Professor

Journal Paper: Felea, R. and R. Gaburro, A. Greenleaf, C. Nolan. "Microlocal Analysis of Doppler SAR." Inverse problems and Imaging 13. 6 (2019): 1283-1307. Web. £

Invited Keynote/Presentation: Felea, Raluca. "Generalized Radon Transform with Cusp Singularities." Conference on Modern Challenges in Imaging In the Footsteps of Allan MacLeod Cormack. Tufts University. Boston, MA. 7 Aug. 2019. Conference Presentation.

Jobby Jacob, Associate Professor

Invited Keynote/Presentation: Jacob, Jobby. "Rankings (ordered colorings) of Graphs." Math. Colloquim. Hobart and William Smith Colleges. Geneva, NY. 11 Apr. 2019. Keynote Speech.

Baasansuren Jadamba, Associate Professor

Journal Paper: Huerga, Lidia, Baasansuren Jadamba, and Miguel Sama. "An Extension of the Kaliszewski Cone to Non-Polyhedral Pointed Cones in Infinite-Dimensional Spaces." Journal of Optimization Theory and Applications 181. (2019): 437-455. Print. ~

Book Chapter: Jadamba, Baasansuren, et al. "Regularization Methods for Scalar and Vector Control Problems." Variational Analysis and Set Optimization. Ed. Akhtar Khan, Elisabeth Koebis, and Christiane Tammer. Boca Raton, FL: CRC Press (Taylor and Francis), 2019. 321-340. Print. ~

Invited Keynote/Presentation: Jadamba, Baasansuren. "Elasticity Imaging Inverse Problem in Incompressible Medium." Applied Inverse Problems (AIP). Institut Fourier. Grenoble, France. 12 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Jadamba, Baasansuren. "Parameter Identification in Saddle Point Systems." International Congress on Applied and Industrial Mathematics (ICIAM). Sociedad Española de Matemática Aplicada. Valencia, Spain. 17 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Jadamba, Baasansuren. "Mentoring and Promotion." International Congress on Applied and Industrial Mathematics (ICIAM). Sociedad Española de Matemática Aplicada. Valencia, Spain. 16 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Jadamba, Baasansuren. "Optimization Based Approaches for the Inverse Problem of Identifying Tumors." International Conference on Continuous Optimization. Weierstrass Institute for Applied Analysis and Stochastics (WIAS). Berlin, Germany. 6 Aug. 2019. Conference Presentation.

Carlos Lousto, Professor

Journal Paper: Lousto, Carlos O. and James Healy, et al. "Open Data from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo." LIGO-P1900206. (2019): n/a. Web.

Journal Paper: Bero, John J., et al. "A Guide to LIGO-Virgo Detector Noise and Extraction of Transient Gravitational-wave Signals." LVC Publications. (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., Federico L. Armengol, and Luciano Combi., et al. "Upgraded Antennas for Pulsar Observations in the Argentine Institute of Radio Astronomy." n/a. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing run of Advanced LIGO and Virgo." LIGO-P1900015. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "An Optically Targeted Search for Gravitational Waves emitted by Core-Collapse Supernovae during the First and Second Observing Runs of Advanced LIGO and Advanced Virgo." LIGO-P1700177 n/a. n/a (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Tests of General Relativity with the Binary Black Hole Signals from the LIGO-Virgo Catalog GWTC-1." Physical Review 100. 10 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "A Fermi Gamma-ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-Wave Candidates in Advanced LIGO's First Observing Run." The Astrophysical Journal 871. 1 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O. and James Healy. "Kicking Gravitational Wave Detectors with Recoiling Black Holes." Physical Review 100. 10 (2019): 104039. Web.

Journal Paper: Healy, James, et al. "Model Comparison from LIGO-Virgo data on GW170817's binary Components and Consequences for the Merger Remnant." LIGO-P1800379. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Gravitational-wave Signals Associated with Gamma-ray Bursts During the Second Observing run of Advanced LIGO and Advanced Virgo." The Astrophysical Journal. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Properties of the Binary Neutron Star Merger GW170817." Physical Review 9. 1 (2019): n/a. Web.

Invited Keynote/Presentation: Lousto, Carlos O. "First Pulsar Timings in South-America." Fall 2018 Collaboration Meeting at Green Bank Observatory. NANOGrav Physics Frontiers Center. Green Bank, VA. 16 Oct. 2018. Conference Presentation.

Journal Paper: Lousto, Carlos O., et al. "Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO." The Astrophysical Journal 875. (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "Search for Gravitational Waves from Scorpius X-1 in the Second Advanced LIGO Observing run with an Improved Hidden Markov Model." Physical Review 100. 12 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Intermediate Mass Black Hole Binaries in the First and Second Observing Runs of the Advanced LIGO and Virgo Network." Physical Review 100. 6 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "All-Sky Search for Short Gravitational-Wave Bursts in the Second Advanced LIGO and Advanced Virgo Run." Physical Review 100. 2 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo." *The Astrophysical Journal* 882. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run." *Physical Review* 123. 16 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "All-sky Search for Long-duration Gravitational-wave Transients in the Second Advanced LIGO Observing Run." *Physical Review D* 99. 10 (2019): n/a. Web.

Journal Paper: Bero, John J., et al. "Directional Limits on Persistent Gravitational Waves using Data from Advanced LIGO's First Two Observing Runs." *Physical Review* 100. 6 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs." *Physical Review* 9. 3 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "Tests of General Relativity with GW170817." *Physical Review* 123. 1 (2019): n/a. Web.

Journal Paper: Lange, Jacob, et al. "On the Properties of the Massive Binary Black Hole Merger GW170729." *Physical Review* 100. 10 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "Search for the Isotropic Stochastic Background using Data from Advanced LIGO's second observing run." *Physical Review* 100. 6 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "All-sky Search for Continuous Gravitational Waves from Isolated Neutron Stars using Advanced LIGO O2 Data." *Physical Review* 100. 2 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube." *The Astrophysical Journal* 870. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817." *The Astrophysical Journal* 875. (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "A Fermi Gamma-ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-Wave Candidates in Advanced LIGO's First Observing Run." *The Astrophysical Journal*. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data." *The Astrophysical Journal*. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run." *The Astrophysical Journal* 874. 2 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O., et al. "Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run." *The Astrophysical Journal*. (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Properties of the Binary Neutron Star Merger GW170817." *Physical Review* 9. 1 (2019): n/a. Web.

Journal Paper: Lousto, Carlos O. and James Healy. "Gravitational wave beacons." *Physical Review* 99. 6 (2019): n/a. Web.

Journal Paper: Healy, James, et al. "Second RIT Binary Black Hole Simulations Catalog and its Application to Gravitational Waves Parameter Estimation." *Physical Review* 100. 2 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary–Black-hole Merger GW170814." *The Astrophysical Journal* 876. 1 (2019): n/a. Web.

Journal Paper: Bero, John J., et al. "Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO." *The Astrophysical Journal* 875. 2 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo." *The Astrophysical Journal* 882. 2 (2019): n/a. Web.

Journal Paper: Healy, James, et al. "GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs." *Physical Review* 9. 3 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Tests of General Relativity with GW170817." *Physical Review* 123. 1 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube." *The Astrophysical Journal* 870. 2 (2019): n/a. Web.

Journal Paper: Birnholtz, Ofek, et al. "Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817." *The Astrophysical Journal* 875. 2 (2019): n/a. Web.

Invited Keynote/Presentation: Lousto, Carlos O. "From Simulations of Binary Black Holes to Insights into Astrophysics and Gravitational Waves." APS April Meeting 2019. APS Physics. Denver, CO. 14 Apr. 2019. Conference Presentation.

Kara Maki, Associate Professor

Invited Paper: Reed, Kenneth, et al. "Modeling the Kinetic Behavior of Reactive Oxygen Species with Cerium Dioxide Nanoparticles." *Biomolecules*. (2019). Web. ~

Journal Paper: Bernetski, Kimberly A, Kara L Maki, and Michael J Schertzer. "Comment on "How to make sticky surfaces slippery: Contact angle hysteresis in electrowetting with alternating voltage"." *Appl. Phys. Lett.* 114. (2019): 116101. Print. ~

Invited Article/Publication: Maki, Kara L, et al. "A model for tear film dynamics during a realistic blink." *Journal for Modeling in Ophthalmology*. (2019). Web. ~

Invited Article/Publication: Maki, Kara L., Rodolfo Repetto, and Richard J. Brau. "Mathematical modeling highlights from ARVO 2018." *Journal for Modeling in Ophthalmology*. (2019). Web. Δ

Nishant Malik, Assistant Professor

Journal Paper: Lee, Hsuan-Wei, et al. "Social clustering in epidemic spread on coevolving networks." *Physical Review E* 99. 62301 (2019): 1-14. Print. *

Journal Paper: Ozturk, Ugur, et al. "A Network-based Comparative Study of Extreme Tropical and Frontal Storm Rainfall Over Japan." *Climate Dynamics* 53. (2019): 521–532. Print. *

Invited Keynote/Presentation: Malik, Nishant. "Integrating Methods of Network Science, Dynamical Systems, and Machine Learning for Data Analysis." Chapman Chair Lecture Series: Complex Systems Meet Machine Learning: From Basics to Real Applications,. CNSM, University of Alaska, Fairbanks. Fairbanks, Alaska. 28 May 2019. Lecture.

Journal Paper: Barnett, Ian, et al. "EndNote: Feature-based classification of networks." *Network Science*. (2019): 1-7. Print. *

Tony Wong

Journal Paper: Vega Westhoff, Ben, et al. "Impacts of Observational Constraints Related to Sea Level on Estimates of Climate Sensitivity." *Earth's Future* 7. 6 (2019): 677-690. Web. *

Journal Paper: Brady, E., et al. "The Connected Isotopic Water Cycle in the Community Earth System Model Version 1." *Journal of Advances in Modeling Earth Systems* 11. 8 (2019): 2547-2566. Web. *

Invited Article/Publication: Wong, Tony E. "Lasting Coastal Hazards from Past Greenhouse Gas Emissions." *Proceedings of the National Academy of Sciences*. (2019). Web. * Δ

School of Physics and Astronomy

Mishkatul Bhattacharya, Associate Professor

Journal Paper: Pettit, R., et al. "Optical Tweezer Phonon Laser." *Nature Photonics* 13. (2019): 402-405. Web. *

Peer Reviewed/Juried Poster Presentation: Xiao, K., et al. "Higher Order Correlations in a Levitated Nanoparticle Phonon Laser." *Proceedings of the Frontiers in Optics*. Ed. M. Bhattacharya. Washington, DC: n.p..

Peer Reviewed/Juried Poster Presentation: Kani, A., et al. "Mie particle Phonon Laser." *Proceedings of the Frontiers in Optics*. Ed. M. Bhattacharya. Washington, DC: n.p..

Invited Keynote/Presentation: Bhattacharya, M. "The Laws of Levitation." Colloquium, Department of Physics. Wells College. Aurora, NY. 11 Oct. 2019. Guest Lecture.

Journal Paper: Kumar, P. and M. Bhattacharya. "Single photon transfer using levitated cavityless optomechanics." *Physical Review A* 99. (2019): 23811. Web. *

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Colloquium, Department of Physics. Indian Institute of Technology. Guwahati, Assam. 2 Jan. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Photonics For Quantum Workshop. Rochester Institute of Technology. Rochester, NY. 24 Jan. 2019. Conference Presentation.

Peer Reviewed/Juried Poster Presentation: Kani, M., T. Biswas, and M. Bhattacharya. "Levitated Optomechanics with a Mie particle." *Proceedings of the Monday-Friday, May 27-31, 2019; Milwaukee, Wisconsin*. Ed. M. Bhattacharya. Milwaukee, WI: n.p..

Invited Keynote/Presentation: Bhattacharya, M. "Cavity Optomechanical Sensing and Manipulation of an Atomic Persistent Current." Colloquium, Department of Physics. Indian Institute of Technology. Delhi, NCR. 14 Jun. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Colloquium, Department of Physics. Mahindra Ecole Centrale. Hyderabad, Telangana. 2 Jul. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "The Laws of Levitation." Colloquium, Department of Physics. University of Reykjavik. Reykjavik, Iceland. 23 Jul. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "An Optical Tweezer Phonon Laser." Colloquium, Department of Physics. Ludwig Maximilians University. Munich, Germany. 25 Jul. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "An Optical Tweezer Phonon Laser." Colloquium, Department of Physics. Technical University of Munich. Munich, Germany. 26 Jul. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Seminar on Levitated Optomechanics. Wilhelm und Else Heraeus-Stiftung. Bad Honnef, Germany. 30 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Colloquium, Department of Physics. Syracuse University. Syracuse, NY. 2 Sep. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "An Optical Tweezer Phonon Laser and the Generation of Mechanical Coherent States." Colloquium, Department of Physics. University of Waterloo. Waterloo, Canada. 20 Sep. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Flying Lasers for Sound." Colloquium, Department of Physics. University of Toronto. Toronto, Canada. 3 Oct. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Colloquium, Department of Physics. City College New York. New York, NY. 19 Oct. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Generating Mechanical Coherent States with an Optical Tweezer Phonon Laser." Seminar. National Institute of Standards and Technology. Gaithersburg, MD. 25 Oct. 2019. Guest Lecture.

Peer Reviewed/Juried Poster Presentation: Nguyen, L. "Higher Order Correlations in a Levitated Nanoparticle Phonon Laser." Proceedings of the Rochester Academy of Science Fall conference. Ed. M. Bhattacharya. Rochester, NY: n.p..

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Colloquium, Department of Physics. Heriot-Watt University. Edinburgh, Scotland. 27 Nov. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Optical Tweezer Phonon Laser." Colloquium, Department of Physics. University of St. Andrews. St. Andrews, Scotland. 29 Nov. 2019. Guest Lecture.

Invited Keynote/Presentation: Bhattacharya, M. "Levitated Phonon Laser: A New Platform for Exploring Mesoscopic Coherence." WRAP 2019. IIT Guwahati. Assam, India. 13 Dec. 2019. Conference Presentation.

Moumita Das, Associate Professor

Journal Paper: Kornick, K., et al. "Population Dynamics of Mitochondria in Mammalian Cells: A Minimal Mathematical Model." *Frontiers in Physics* 7. (2019): 146. Web. *

Journal Paper: Gurmessa, B., et al. "Triggered Disassembly and Reassembly of Actin Networks Induce Rigidity Phase Transitions." *Soft Matter* 15. (2019): 1335. Print. *

Invited Keynote/Presentation: Das, Moumita. "Phase Separation Dynamics of Cell Co-cultures with Different Mechano-adhesive Properties." Bridging Cellular and Tissue Dynamics from Normal Development to Cancer: Mathematical, Computational, and Experimental Approaches. BIRS. Banff, Alberta, CA. 17 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Das, Moumita. "Mechanical Structure Function Properties of Subcellular and Extracellular Networks." Stochastic Physics in Biology. Gordon Research Conference. Ventura, CA. 8 Jan. 2019. Conference Presentation.

Pratik Dholabhai, Assistant Professor

Journal Paper: Dholabhai, Pratik P., Enrique Martinez, and Blas P. Uberuaga. "Influence of Chemistry and Misfit Dislocation Structure on Dopant Segregation at Complex Oxide Heterointerfaces." *Advanced Theory and Simulations* 2. (2019): 1800095. Web. *

Journal Paper: Dholabhai, Pratik P. and Blas P. Uberuaga. "Beyond Coherent Oxide Heterostructures: Atomic-Scale Structure of Misfit Dislocations." *Advanced Theory and Simulations* 2. (2019): 1900078. Web. *

Journal Paper: Dholabhai, Pratik P. "Atomic-scale Structure of Misfit Dislocations in CeO₂/MgO Heterostructures and Thermodynamic Stability of Dopant-defect Complexes at the Hetero-interface." *Physical Chemistry Chemical Physics* 21. 37 (2019): 20878. Web. *

Journal Paper: Proshchenko, Vitaly S., et al. "Heat and Charge Transport in Bulk Semiconductors with Interstitial Defects." *Physical Review B* 99. (2019): 14207. Web. *

Journal Paper: Uberuaga, Blas P., et al. "Semi-coherent Oxide Heterointerfaces: Structure, Properties, and Implications." *APL Materials* 7. (2019): 100904. Web. *

Invited Keynote/Presentation: Dholabhai, Pratik P., et al. "Multi-scale Framework for Predicting Mechanical Properties in High Entropy Alloys." 1st World Congress on High Entropy Alloys. The Minerals, Metals, and Materials Society (TMS). Seattle, Washington. 17 Nov. 2019. Conference Presentation.

Invited Keynote/Presentation: Santos, Zackary and Pratik P. Dholabhai. "Stability of Defects at MoS₂/InAs Hybrid Heterostructures." APS March Meeting. American Physical Society. Boston, MA. 4 Mar. 2019. Conference Presentation.

Invited Keynote/Presentation: Dholabhai, Pratik P. "Atomic-scale Structure and Stability of Dopant-defect Complexes at Misfit Dislocations in Complex Oxide Heterostructures." 148th TMS Annual Meeting and Exhibition. The Minerals, Metals, and Materials Society (TMS). San Antonio, TX. 10 Mar. 2019. Conference Presentation.

Invited Keynote/Presentation: Uberuaga, Blas P., et al. "Defect Interactions with Semi-Coherent Interfaces in Ionic Materials." 148th TMS Annual Meeting and Exhibition. The Minerals, Metals, and Materials Society (TMS). San Antonio, TX. 11 Mar. 2019. Conference Presentation.

Invited Keynote/Presentation: Dholabhai, Pratik P., Yongfeng Zhang, and Jeffery A. Aguiar. "Developing a Combinatorial Modeling Approach to Multiscale Modeling and Predictions for High Entropy Alloy Design." 5th World Congress on Integrated Computational Materials Engineering (ICME 2019). The Minerals, Metals, and Materials Society (TMS). Indianapolis, IN. 22 Jul. 2019. Conference Presentation.

Scott Franklin, Professor

Journal Paper: Freeman, Julian O., et al. "Random Packing of Rods in Small Containers." *Granular Matter* 21. (2019): TBD. Print. *

Journal Paper: Shishkov, Olga, et al. "Black Soldier y Larvae Rearrange Under Compression." *Integrative and comparative biology*. (2019): 1540. Web. *

Edwin Hach, Assistant Professor

Journal Paper: Scott, Ryan E, et al. "Scalable Controlled-not Gate for Linear Optical Quantum Computing Using Microring Resonators." *Physical Review A* 100. (2019): 22322. Print. *

Gregory A Howland

Journal Paper: Schneeloch, James, et al. "Quantifying Entanglement in a 68-billion Dimensional Quantum State Space." *Nature Communications* 10. 1 (2019): 1-7. Web. * £

Published Conference Proceedings: Agarwal, Anu, et al. "A Modular Laboratory Curriculum for Teaching Integrated Photonics to Students with Diverse Backgrounds." *Proceedings of the Conference on Education and Training in Optics and Photonics*. Ed. Anne-Sophie Poulin-Girard and Joseph A. Shaw. Quebec City, Quebec: Optical Society of America, 2019. Web. * £

Published Conference Proceedings: Saini, Sajan, et al. "Integrated Photonics and Application-Specific Design on a Massive Open Online Course Platform." Proceedings of the Conference on Education and Training in Optics and Photonics: ETOP 2019. Ed. Anne-Sophie Poulin-Girard and Joseph A Shaw. Quebec City, Quebec: SPIE, 2019. Web. Δ

Published Conference Proceedings: Niekerk, Matthew van, et al. "Approximating Large Scale Arbitrary Unitaries with Integrated Multimode Interferometers." Proceedings of the SPIE Defense + Commercial Sensing. Ed. Eric Donkor and Michael Hayduk. Baltimore, MD: SPIE, 2019. Web. *

Journal Paper: Schneeloch, James, et al. "Introduction to the absolute brightness and number statistics in spontaneous parametric down-conversion." Journal of Optics 21. 4 (2019): 1-28. Web. *

Journal Paper: Starling, David J, et al. "Nonlinear Photon Pair Generation in a Highly Dispersive Medium." arXiv. 2001.00524 (2020): 1-5. Web.

Seth Hubbard, Professor

Journal Paper: Welsch, R. E., et al. "Design and Demonstration of High-Efficiency Quantum Well Solar Cells Employing Thin Strained Superlattices." Scientific Reports 9. 1 (2019): 13955. Web. *

Journal Paper: Pokharel, N., et al. "Orientations of Al₄C₃ and Al films Grown on GaAs Substrates." Materials Science in Semiconductor Processing 98. (2019): 49-54. Web. *

Journal Paper: Fedorenko, A., et al. "Design and Simulation of the Bifacial III-V-Nanowire-on-Si Solar Cell." MRS Advances. (2019): 1-8. Web. *

Journal Paper: McClure, E. L. and S. M. Hubbard. "The Effects of Silicon Substrate Thickness and Annealing temperature on surface coverage for Aluminum-induced Crystallization of Germanium Films." Materials Science in Semiconductor Processing 94. (2019): 22-27. Web. *

Journal Paper: Baboli, M. A., et al. "Improving Pseudo-van der Waals Epitaxy of Self-assembled InAs Nanowires on Graphene via MOCVD Parameter Space Mapping." CrystEngComm 21. (2019): 602-615. Web. *

Journal Paper: Dutta, Pavel, et al. "Flexible GaAs Solar Cells on Roll-to-roll Processed Epitaxial Ge Films on Metal Foils: A Route Towards Low-cost and High-performance III-V Photovoltaics." Energy & Environmental Science. (2019): 1. Web. *

Published Conference Proceedings: Bradshaw, Geoffrey K., et al. "Investigation of Radiative Coupling from InGaAsP Quantum Wells for Improving End-of-Life (EOL) Efficiency in Multijunction Solar Cells." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Published Conference Proceedings: Hubbard, Seth, et al. "Thin-Barrier Strained Quantum Well Superlattice Solar Cells." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Published Conference Proceedings: McClure, E. L., et al. "Gallium Arsenide Solar Cell Growth on Polycrystalline Germanium Substrates by Aluminum-Induced Crystallization." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Published Conference Proceedings: Polly, S. J., et al. "Radiation Effects in Thinned GaAs Photovoltaics Incorporating DBRs for Improved Radiation Tolerance of Multijunctions." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Published Conference Proceedings: D'Rozario, J. R., et al. "Improved Photoabsorption in Thin Gallium Arsenide Solar Cells using Light Trapping Techniques." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Published Conference Proceedings: Polly, S. J., et al. "GaSb Solar Cells Grown by MOCVD via IMF on GaAs." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Published Conference Proceedings: Fedorenko, A., et al. "Towards High-Efficiency Triple-Junction Bifacial III-V Nanowire-on-Silicon Solar Cells: Design Approaches Enabling the Concept." Proceedings of the Photovoltaic Specialist Conference (PVSC), 2019 IEEE 46th. Ed. Sarah Kurtz. Chicago, IL: n.p., Web. £

Jeyhan S Kartaltepe, Assistant Professor

Journal Paper: Betti, S., et al. "Environmental Effect on ISM Mass in Galaxies Across the Cosmic Web at $z \sim 0.7$." The Astrophysical Journal 874. 53 (2019): 1-. Web. £

Journal Paper: Iyer, K., et al. "Non-Parametric Star Formation History Reconstruction with Gaussian Processes I: Counting Major Episodes of Star Formation." The Astrophysical Journal 879. 116 (2019): 1-. Web. £

Journal Paper: Duncan, K., et al. "Observational Constraints on the Merger History of Galaxies since $z \sim 6$: Probabilistic Galaxy Pair Counts in the CANDELS Fields." The Astrophysical Journal 876. 110 (2019): 1-. Web. £

Journal Paper: Casey, C., et al. "Physical Characterization of an Unlensed Dusty Star-Forming Galaxy at $z = 5.85$." The Astrophysical Journal 887. 44 (2019): 1-. Web. £

Journal Paper: Jimenez-Andrade, E., et al. "Radio Continuum Size Evolution of Star-Forming Galaxies over 0.35..." Astronomy and Astrophysics 625. 114 (2019): 1-. Web. £

Journal Paper: Farrah, D., et al., including, and Kartaltepe, Jeyhan S. "Review: Far-Infrared Instrumentation and Technology Development for the Next Decade." Journal of Astronomical Telescopes, Instruments, and Systems 5. 20901 (2019): 1-. Web. £

Journal Paper: Cooke, Kevin, et al. "Stellar Mass Growth of Brightest Cluster Galaxy Progenitors in COSMOS Since $z \sim 3$." The Astrophysical Journal 881. 150 (2019): 1-. Web. £

Journal Paper: Kashino, D., et al. "The FMOS-COSMOS Survey of Star-Forming Galaxies at $z \sim 1.6$ VI: Redshift and Emission-Line Catalog and Basic Properties of Star-Forming Galaxies." The Astrophysical Journal 241. 10 (2019): 1-. Web. £

Journal Paper: Silverman, J., et al. "Where do Quasar Hosts Lie with Respect to the Size-Mass Relation of Galaxies." The Astrophysical Journal 887. 55 (2019): 1-. Web. £

Invited Keynote/Presentation: Kartaltepe, Jeyhan. "The Impact of Galaxy Mergers on the Evolution of Galaxies Over Cosmic Time." From AGN to Starburst: A Multiwavelength Synergy. N/A. Guiyang, China. 15 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Kartaltepe, Jeyhan. "Future Prospects with JWST Observations." IGC@25 meeting: The Multimessenger Universe. Penn State University. State College, PA. 26 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Kartaltepe, Jeyhan. "How Cosmic Collisions Shaped the Universe." Torch Club of Rochester Banquet. Torch Club of Rochester. Rochester, NY. 12 Feb. 2019. Keynote Speech.

Invited Paper: Papovich, C., et al. "UV Diagnostics of Galaxies from the Peak of Star-Formation to the Epoch of Reionization." Bulletin of the American Astronomical Society, 51, 266. (2019). Web.

Invited Paper: Finkelstein, S., et al. "Unveiling the Phase Transition of the Universe During the Reionization Epoch with Lyman-alpha." Bulletin of the American Astronomical Society, 51, 221. (2019). Web.

Invited Paper: Koekemoer, A., et al. "Ultra Deep Field Science with WFIRST." Bulletin of the American Astronomical Society, 51, 550. (2019). Web.

Invited Paper: Casey, C., et al. "Taking Census of Massive, Star-Forming Galaxies Formed One Year After the Big Bang." Bulletin of the American Astronomical Society, 51, 212. (2019). Web.

Invited Paper: Tollerud, E., et al. "Sustaining Community-Driven Software for Astronomy in the 2020s." Bulletin of the American Astronomical Society, 51, 180. (2019). Web.

Invited Paper: Ravindranath, S., et al. "Spatially-Resolved Studies of Star-Forming Galaxies in the Reionization epoch." Bulletin of the American Astronomical Society, 51, 500. (2019). Web.

Invited Paper: Newman, A., et al. "Resolving Galaxy Formation at Cosmic Noon." Bulletin of the American Astronomical Society, 51, 145. (2019). Web.

Invited Paper: Dickinson, M., et al. "Observing Galaxy Evolution in the Context of Large-Scale Structure." Bulletin of the American Astronomical Society, 51, 538. (2019). Web.

Invited Paper: Smith, A., et al. "Elevating the Role of Software as a Product of the Research Enterprise." Bulletin of the American Astronomical Society, 51, 52. (2019). Web.

Invited Paper: Koss, M., et al., including, and Kartaltepe, Jeyhan S. "Black Hole Growth in Mergers and Dual AGN." Bulletin of the American Astronomical Society, 51, 504. (2019). Web.

Invited Paper: Kartaltepe, Jeyhan S. and et al. "Assembly of the Most Massive Clusters at Cosmic Noon." Bulletin of the American Astronomical Society, 51, 395. (2019). Web.

Invited Keynote/Presentation: Kartaltepe, Jeyhan. "The Role of Mergers in Galaxy Evolution Over Cosmic Time." Colloquium. Tufts University. Medford, MA. 27 Sep. 2019. Guest Lecture.

Michael Lam

Journal Paper: Cromartie, H. T. "Relativistic Shapiro Delay Measurements of an Extremely Massive Millisecond Pulsar." Nature Astronomy 9. 1 (2019): 1-5. Web. £

Journal Paper: Pol, N. "Estimates of Fast Radio Burst Dispersion Measures from Cosmological Simulations." The Astrophysical Journal 886. 135 (2019): 1-11. Web. £

Journal Paper: Perera, B. B. P. "The International Pulsar Timing Array: Second Data Release." Monthly Notices of the Royal Astronomical Society 490. 4 (2019): 4666-4687. Web. £

Journal Paper: Madison, D. R. "A Deep Targeted Search for Fast Radio Bursts from the Sites of Low-redshift Short Gamma-Ray Bursts." The Astronomical Journal 887. 2 (2019): 1-8. Web. £

Journal Paper: Aggarwal, K. "The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory." The Astrophysical Journal 889. 38 (2019): 1-11. Web. £

Aaron McGowan, Senior Lecturer

Journal Paper: Valencia, E. and et al. (MINERvA Collaboration). "Constraint of the MINERvA Medium Energy Neutrino Flux Using Neutrino-electron Elastic Scattering." Physical Review D 100. 9 (2019): 92001. Print. *

Journal Paper: Le, T. and et al. (MINERvA Collaboration). "Measurement of $\nu\mu$ Charged-current Single π^- Production on Hydrocarbon in the few-GeV Region Using MINERvA." Physical Review D 100. 5 (2019): 52008. Print. *

Journal Paper: Elkins, M. and et al. (MINERvA Collaboration). "Neutron Measurements from Antineutrino Hydrocarbon Reactions." Physical Review D 100. 5 (2019): 52002. Print. *

Shima Parsa Moghaddam

Journal Paper: Parsa, Shima, et al. "Origin of Anomalous Polymer-induced Fluid Displacement in Porous Media." *Phys Rev Fluids* 5. (2020): 222001. Web. *

Michael Pierce, Associate Professor

Journal Paper: Liu, Yihua, et al. "Layering and Ordering in Electrochemical Double Layers." *Journal of Physical Chemistry Letters* 9. (2018): 1265-1271. Web. *

Journal Paper: Wilhelm, Thomas, et al. "Ordered Si Micropillar Arrays via Carbon-Nanotube-Assisted Chemical Etching for Applications Requiring Nonreflective Embedded Contacts." *ACS Applied Nano Materials* 2. (2019): 7819-7826. Print. *

Michael Richmond, Professor

Journal Paper: Richmond, Michael W and et al. "An Optical Search for Transients Lasting a Few Seconds." *Publications of the Astronomical Society of the Pacific*. (2019): 110-135. Print. £

Journal Paper: Lucy, Adrian B., Michael W Richmond, and et al. "Discovery of optical flickering in a symbiotic star candidate." *The Astronomer's Telegram*. 13152 (2019): 1-2. Web.

Robert B Teese, Professor

National/International Competition Award

Winner: Teese, Robert. American Association of Physics Teachers. Homer L. Dodge Citation for Distinguished Service to the AAPT. Houston, TX, 2019.

Michael B Zemcov, Assistant Professor

Published Conference Proceedings: Brandt, Pontus and Michael Zemcov. "Interstellar Probe: A Cross-Divisional Mission in to the Galaxy." *Proceedings of the Space Astrophysics Landscape for the 2020s and Beyond*. Ed. Malmquist, Fred. Potomac, MD: n.p., 2019. Web. £

Journal Paper: Chang, Feng, and Zemcov, Michael. "Multi-component Decomposition of Cosmic Infrared Background Fluctuations." *The Astrophysical Journal* 875. 2 (2019): 13. Web. *

Journal Paper: Duncan, Farrah, and Zemcov, Michael. "Review: Far-infrared Instrumentation and Technological Development for the Next Decade." *Journal of Astronomical Telescopes, Instruments, and Systems* 5. (2019): 20901. Web. * £

Journal Paper: Rodríguez-Muñoz, Lucia and Michael Zemcov. "Quantifying the Suppression of the (Un)-obscured Star Formation in Galaxy Cluster Cores at $0.2 \leq z \leq 0.9$." *Monthly Notices of the Royal Astronomical Society* 485. 1 (2019): 586-619. Web. * £

Journal Paper: Sayers, Jack and Michael Zemcov. "Imaging the Thermal and Kinematic Sunyaev-Zel'dovich Effect Signals in a Sample of 10 Massive Galaxy Clusters: Constraints on Internal Velocity Structures and Bulk Velocities." *The Astrophysical Journal* 880. 1 (2019): 15. Web. *

Journal Paper: Viero, Marco and Michael Zemcov. "Measurements of the Cross-spectra of the Cosmic Infrared and Microwave Backgrounds from 95 to 1200 GHz." *The Astrophysical Journal* 881. 2 (2019): 12. Web. *

Journal Paper: Poppe, Andrew and Michael Zemcov. "Constraining the Solar System's Debris Disk with In Situ New Horizons Measurements from the Edgeworth-Kuiper Belt." *The Astrophysical Journal Letters* 881. 1 (2019): L12. Web. *

Thomas H. Gosnell School of Life Sciences

Gregory Babbitt, Associate Professor

Published Game, Application or Software: GA, Babbitt. DROIDS 3.0 - software for comparative protein dynamics. Software. <https://github.com/gbabbitt/DROIDS-3.0-comparative-protein-dynamics>. 2019.

Eli Borrego

Journal Paper: Jochum, Michael D, et al. "Bio-prospecting Plant Growth-promoting Rhizobacteria that Mitigate Drought Stress in Grasses." *Frontiers in Microbiology* 10. (2019): 2106. Web. *

Journal Paper: Lei, Jiaxin, et al. "CIRCADIAN CLOCK-ASSOCIATED 1 Controls Resistance to Aphids by Altering Indole Glucosinolate Production." *Plant Physiology* 181. 3 (2019): 1344-359. Print. *

Journal Paper: Dai, Yanwan, et al. "Rosette Core Fungal Resistance in Arabidopsis Thaliana." *Planta* 250. 6 (2019): 1941-1953. Print. *

Feng Cui, Associate Professor

Journal Paper: Zhang, Jimmy F., et al. "BioVR: a platform for virtual reality assisted biological data integration and visualization." *BMC Bioinformatics* 20. (2019): 78. Web. *

Journal Paper: KC, Kishan, et al. "GNE: a deep learning framework for gene network inference by aggregating biological information." *BMC Systems Biology* 13. (2019): 38. Web. *

Journal Paper: Wright, Gregory M and Feng Cui. "The nucleosome position-encoding WW/SS sequence pattern is depleted in mammalian genes relative to other eukaryotes." *Nucleic Acids Research* 47. 15 (2019): 7942-7954. Print. *

Jeyhan S Kartaltepe, Assistant Professor

Invited Paper: Norman, D., et al. "The Growing Importance of a Tech Savvy Astronomy and Astrophysics Workforce." *Bulletin of the American Astronomical Society*, 51, 18. (2019). Web.

Aaron McGowan, Senior Lecturer

Journal Paper: Ruterbories, D. "Measurement of Quasielastic-like Neutrino Scattering at Ev3.5 GeV on a Hydrocarbon Target." *Physical Review D* 99. 1 (2019): 12004. Print. *

Dina Newman, Associate Professor

Book Chapter: Terrell, Cassidy R., et al. "Physical Models Support Active Learning as Effective Thinking Tools." *Biochemistry Education: From Theory to Practice*. Ed. Thomas J. Bussey, Kimberly Linenberger Cortes, and Rodney C. Austin. Washington, DC: American Chemical Society, 2019. 43-62. Web. *

Invited Keynote/Presentation: Newman, Dina L. "Models for Teaching and Learning about DNA." *American Society of Human Genetics Annual Meeting*. American Society of Human Genetics. Houston, TX. 16 Oct. 2019. Conference Presentation. Δ

Journal Paper: Donahue, Callie J., et al. "A Close-up Look at PCR." *CourseSource* 6. (2019): 1-8. Web.

Susan Smith, Associate Professor

Journal Paper: Ross, Annemarie D., et al. "Assessment of Climate Science Knowledge and Perceptions of Deaf and Hard-of-Hearing Students." *Journal of Science Education for Students with Disabilities* 22. 1 (2019): article 8. Web. «

Journal Editor: Pagano, Susan Smith, ed. *Condor: Ornithological Applications*. Chicago, IL: American Ornithological Society, 2019. Print.

Journal Editor: Pagano, Susan Smith, ed. *Northeastern Naturalist*. Steuben, ME: Eagle Hill Institute, 2019. Print.

Invited Keynote/Presentation: Pagano, Susan Smith. "Native Fruiting Plants for Migratory Bird Nutrition." *Turning a New Leaf Conference*. Chesapeake Conservation Landscaping Council. Harrisburg, PA. 6 Dec. 2019. Conference Presentation.

Invited Keynote/Presentation: Pagano, Susan Smith. "Native Berries for Migratory Birds: A Nutritional Perspective." *Cullowhee Native Plant Conference*. Western Carolina University. Cullowhee, NC. 18 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Pagano, Susan Smith. "Native Plants and Migratory Birds: A 'Fruit-full' Pairing." GardenWise. Penn State Extension. York, PA. 9 Mar. 2019. Conference Presentation.

Invited Keynote/Presentation: Pagano, Susan Smith. "Native Berries for Migratory Birds." Meeting of the Genesee Valley Audubon Society. Genesee Valley Audubon Society. Rochester, NY. 25 Feb. 2019. Lecture.

Invited Keynote/Presentation: Moleski, Carter, Gretchen Horst, and Susan Smith Pagano. "A Molecular Sexing Protocol Optimized for Migratory Passerines." 96th Meeting of the Eastern Bird Banding Association. Eastern Bird Banding Association. Rochester, NY. 13 Apr. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Horst, Gretchen, et al. "Invasive Honeysuckle's Impact on Avian Frugivores: Insights from Feather Reflectance and Nutritional Biochemistry." 96th Meeting of the Eastern Bird Banding Association. Eastern Bird Banding Association. Rochester, NY. 13 Apr. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Border, Molly, et al. "Does Japanese Barberry Affect the Physiological Condition of Breeding Male Ovenbirds." 96th Meeting of the Eastern Bird Banding Association. Eastern Bird Banding Association. Rochester, NY. 13 Apr. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Pagano, Susan Smith, Annemarie D. Ross, and Todd Pagano. "Integrating Biology and Chemistry in an Outdoor Ornithology Learning Environment." 137th Annual Meeting of the American Ornithological Society. American Ornithological Society. Anchorage, AK. 27 Jun. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Pagano, Susan Smith, et al. "Exploring the Physiological Condition of Migratory Songbirds Near Lake Ontario: New Insights from Gut Microbiota." 137th Annual Meeting of the American Ornithological Society. American Ornithological Society. Anchorage, AK. 26 Jun. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Rosete, Jenifer, et al. "The Nutritional Quality of Native and Invasive Berries for Migratory Birds." 46th Annual Rochester Academy of Science Fall Scientific Paper Session. Rochester Academy of Science. Rochester, NY. 9 Nov. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Delles, Erica, et al. "Physiological Condition in Relation to Molecular Sex of Thrushes During Migration Stopover Near Lake Ontario." 46th Annual Rochester Academy of Science Fall Scientific Paper Session. Rochester Academy of Science. Rochester, NY. 9 Nov. 2019. Conference Presentation. ~

Hyla Sweet, Associate Professor

Journal Paper: Sweet, Hyla C., et al. "Abbreviated Development of the Brooding Brittle Star *Ophioplocus esmarki*." *The Biological Bulletin* 236. (2019): 75–87. Print. *

Julie A Thomas, Assistant Professor

Journal Paper: Weintraub, S. T., et al. "Global Proteomic Profiling of Salmonella Infection by a Giant Phage." *Journal of Virology* 93. 5 (2019): e01833-18. Print. *

Journal Paper: Peña, Adriana Coll De, et al. "Analysis of bacteriophages with insulator-based dielectrophoresis." *Micromachines* 10. 7 (2019): 450. Web. *

Leslie Kate Wright, Associate Professor

Journal Paper: Kim, Thomas, L. Kate Wright, and Kathryn Miller. "An Examination of Students' Perceptions of the Kekule' resonance representation using a perceptual learning theory lens." *Chemistry Education Research and Practice* 10.1039/C9RP00009G. (2019): 1-8. Web. *

Journal Paper: Donahue, Callie, et al. "A Close-up Look at PCR." *CourseSource* 6. (2019): 1-8. Web. *

Sustainability

Architecture

Nana-Yaw A Andoh, Assistant Professor

Invited Keynote/Presentation: Andoh, Nana-Yaw, et al. "Role of Design Charettes and Community Engagement." 2019 American Planning Association New York State Chapter Conference. American Planning Association. Rochester, NY. 3 Oct. 2019. Conference Presentation.

Invited Keynote/Presentation: Andoh, Nana-Yaw, Andrew Fetterer, and Chad Frederick. "Tools and Technologies for Teaching New Urbanism." CNU 27 - Louisville. CNU. Louisville, KY. 14 Jun. 2019. Conference Presentation.

PhD in Sustainability

Callie Babbitt, Associate Professor

Journal Paper: Babbitt, CW, et al. "Closing the Loop on Circular Economy Research: from Theory to Practice and Back Again." *Resources, Conservation and Recycling* 135. (2018): 1-2. Print. Δ

Journal Paper: Kasulaitis, BV, CW Babbitt, and AK Krock. "Dematerialization and the Circular Economy: Comparing Strategies to Reduce Material Impacts of the Consumer Electronic Product Ecosystem." *Journal of Industrial Ecology* 23. (2018): 119-132. Print. *

Journal Paper: Garvey, T, et al. "Comparing Ecotoxicity Risks for Nanomaterial Production and Release under Uncertainty." *Clean Technologies and Environmental Policy* 21. (2019): 229-242. Print. *

Journal Paper: Moore, EA, et al. "Cascading Ecological Impacts of Fullerenes in Freshwater Ecosystems." *Environmental toxicology and chemistry* 38. (2019): -. Print. *

Journal Paper: Leader, A, G Gaustad, and CW Babbitt. "The Effect of Critical Material Prices on the Competitiveness of Clean Energy Technologies." *Materials for Renewable and Sustainable Energy* 8. (2019): 8. Print. *

Journal Paper: Babbitt, CW. "The Role of Clean Technology Research in Disaster Debris Management." *Clean Technologies and Environmental Policy* 21. (2019): 923-924. Print. Δ

Journal Paper: Cabral, S Ponte, et al. "Fullerene Toxicity in the Benthos with Implications for Freshwater Ecosystem Services." *Science of the Total Environment* 687. (2019): 451-459. Print. *

Journal Paper: Althaf, S, CW Babbitt, and R Chen. "Forecasting Electronic Waste Flows for Effective Circular Economy Planning." *Resources, Conservation and Recycling* 151. (2019): 104362. Print. *

Journal Editor: Babbitt, CW, ed. *Clean Technologies and Environmental Policy*. Heidelberg: Springer, 2019. Print.

External Scholarly Fellowships/National Review Committee:

3/25/2019 -
3/24/2020
National Science Foundation
Amount: 47,742
≠

External Scholarly Fellowships/National Review Committee:

12/1/2019 -
11/30/2024
National Science Foundation
Amount: 513,442
≠

Thomas Trabold, Associate Professor

Journal Paper: Alberto, Diana Rodriguez, et al. "Novel Production of Magnetite Particles via Thermochemical Processing of Digestate From Manure and Food Waste." *IEEE MAGNETICS LETTERS* 10. (2019): 3504605. Print. *

Journal Paper: Samadi, Kosar, et al. "Mechanical, Rheological and Anaerobic Biodegradation Behavior of a Poly(lactic acid) blend containing a Poly(lactic acid)-co-poly(glycolic acid) Copolymer." *Polymer Degradation and Stability* 170. (2019): 109018. Print. *

Published Conference Proceedings: Hegde, Swati, et al. "Development of a Biodegradable Thermoformed Tray for Food Waste Handling." *Proceedings of the 29th IAPRI Symposium on Packaging*. Ed. University of Twente. Twente, The Netherlands, NT: n.p., Print. *

Invited Keynote/Presentation: Trabold, Thomas. "Characterization and Application of Biochar Made from Food Waste and Other Waste Streams." *Biochar 2019*. Colorado State University. Fort Collins, CO. 1 Jul. 2019. Conference Presentation.

Journal Editor: Trabold, Thomas A., ed. *Sustainability - Agriculture, Food and Wildlife Section*. Basel, Switzerland: MDPI, 2019. Print.

Invited Keynote/Presentation: Trabold, Thomas. "Waste as a Resource: Strategies for Sustainable Food Waste Management." 23rd Joint Technical Conference. Central New York Chapters of the Air & Waste Management Association and Industrial Hygiene Association. Skaneateles Falls, NY. 26 Mar. 2019. Keynote Speech.

Eric Williams, Professor

Journal Paper: Millette, Sherwyn, Eric Williams, and Clyde Hull. "Materials Flow Analysis in Support of Circular Economy Development: Plastics in Trinidad and Tobago." *Resources, Conservation and Recycling* 150. (2019): 104436. Print. *

Book Chapter: Junginger, Martin, et al. "Onshore wind energy." *Technological Learning in the Transition to a Low-Carbon Energy System*. Ed. Martin Junginger and Atse Louwen. Amsterdam, Holland: Academic Press, 2019. 87-102. Print. *

Invited Article/Publication: Hull, Clyde and Eric Williams. "The First Step in Managing Plastic Waste is Measuring it – Here's how we did it for one Caribbean Country." *TheConversation*. (2020). Web. ^

Invited Keynote/Presentation: Williams, Eric. "How do we Decide What we Know? Epistemology Challenges in Sustainability Modeling." *Engineering Sustainability 2019*. University of Pittsburgh. Pittsburgh, PA. 8 Apr. 2019. Keynote Speech.

Journal Paper: Desai, Ranjit, et al. "Heterogeneity in Economic and Carbon Benefits of Electric Technology Vehicles in the U.S." *Environmental Science and Technology* 54. (2020): 1136. Print. *

Journal Paper: Williams, Eric, et al. "Empirical Development of Parsimonious Model for International Diffusion of Residential Solar." *Renewable Energy* 150. (2020): 570-577. Print. *

Invited Keynote/Presentation: Williams, Eric. "Recovering Rare Earth Metals from Waste." *New York State Innovation Summit*. NYSTAR. Rochester, New York. 27 Oct. 2019. Lecture.

Invited Keynote/Presentation: Williams, Eric. "Information Technology, Lifestyles and Energy Consumption." *Energy Conservation: Changing Controls to Improve the Bottom Line*. Western New York Sustainable Business Roundtable. Buffalo, New York. 24 Jan. 2019. Lecture.

Nathan Williams

Invited Article/Publication: Williams, Nathan, Samuel Booth, and Ian Baring-Gould. "Survey Use in Micro-grid Load Prediction, Project Development, and Operations." *NREL Technical Report*. (2019). Web. Δ

Invited Keynote/Presentation: Williams, Nathan. "Energizing Development: Scaling Decentralized Electricity Systems in East Africa." *Institute of Science, Technology and Policy Colloquium*. ETH Zürich. Zürich, Switzerland. 8 Oct. 2019. Guest Lecture.

Featured Faculty

NANA-YAW ANDOH IS AN ASSISTANT PROFESSOR IN THE ARCHITECTURE DEPARTMENT AT THE GOLISANO INSTITUTE FOR SUSTAINABILITY. HIS RESEARCH INTERESTS CENTER AROUND HOW ARCHITECTURE AND URBANISM CAN BE USED AS VEHICLES TO IMPROVE QUALITY OF LIFE BY FOCUSING ON APPROPRIATE DESIGN INITIATIVES TO ADDRESS URBAN POPULATION GROWTH AND SOCIAL INEQUITIES.

Buildings account for approximately 40% of total energy consumption worldwide which leads to about 48% of greenhouse gas emissions from the building sector alone. In addition, approximately two-thirds of the global population is expected to reside in urban areas by the year 2050, and there is mounting pressure to establish healthy and livable urban environments that meet the needs of increasingly populous communities and to mitigate the effects of climate change. To tackle this issue, Professor Andoh has taken the approach that “the most sustainable building is one that already exists”, and teaches a design studio course which emphasizes the adaptive reuse of existing buildings. Recent work from the Adaptive Reuse design studio includes the transformation of an old Rochester Brewery building into a community center and grocery center to combat a food desert, adapting the former Spaghetti Warehouse building into transitional housing for previously homeless residents, and a former church house in Elmira into a homeless shelter and workforce training center.

A critical component of Professor Andoh’s work with his students is to bring about tangible results and positive change. Projects from the Adaptive Reuse class are in various stages of implementation which is a rare feat in academia. By engaging with local community agencies and advocates, some of the projects are under contract, others are in funding stages, while others are close to initial construction. The work in the Adaptive Reuse design studio has been presented at the national Congress for New Urbanism conference, and won the New York State American Association of Architects student design awards.

Professor Andoh’s research has a strong emphasis on social sustainability and equity which has resulted in multiple media appearances and round-table panels to discuss the effects of the built environment on vulnerable populations. He contributes his knowledge by being an active board member of the Community Design Center of Rochester, the Landmark Society of Western New York, and the Historic Preservation Board for the Village of Pittsford, and was recently invited to join the Community Advisory Committee being formed by the city of Rochester to evaluate plans for the northern section of the Inner Loop Transformation Project. Future research will continue to focus on the inevitability of population growth and urbanization, and how we can continue to have gentrification without the ill effects of displacement.

Nana-Yaw Andoh
Assistant Professor,
RIT Golisano Institute for Sustainability

PHOTO BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Invited Keynote/Presentation: Williams, Nathan. "Energizing Development: Sustainable Models for Decentralized Electricity Service Provision in East Africa." Energy Research Centre Seminar. University of Cape Town. Cape Town, South Africa. 20 May 2019. Guest Lecture.

Invited Keynote/Presentation: Williams, Nathan. "Panel Discussion: Making data available and usable: Collection, interoperability, openness." Data for Development: Using Data Analytics to Accelerate Energy Access. Duke University. Washington, DC. 4 Dec. 2019. Conference Presentation.

Research Centers

Brian S Hilton

Book Chapter: Hilton, Brian and Michael Thurston. "Design for Remanufacturing." Remanufacturing in the Circular Economy: Operations, Engineering and Logistics. Ed. Nabil Nasr. Hoboken, NJ: John Wiley & Sons, 2019. 137-168. Print.

Journal Paper: Hilton, Brian, et al. "The Functional and Environmental Performance of Mixed Cathode ray Tubes and Recycled Glass as Partial Replacement for Cement in Concrete." Resources, Conservation & Recycling 151. (2019): 1-11. Web. *

Nabil Nasr, Professor

Book Chapter: Nasr, Nabil and Jennifer Russell. "Value-Retention Processes within the Circular Economy." Remanufacturing in the Circular Economy Operations, Engineering and Logistics. Ed. Nabil Z. Nasr. Hoboken, NJ: John Wiley & Sons, Inc., 2019. 1-29. Print.

Invited Article/Publication: Nasr, Nabil. "Mapping out the Worldwide Circular Economy." ISE Magazine. (2019). Print. ^

Invited Article/Publication: Nasr, Nabil. "Disruptive Innovations and the Circular Economy." ISE Magazine. (2019). Print. ^

Invited Article/Publication: Nasr, Nabil. "New York's Climate Change Move." ISE Magazine. (2019). Print. ^

Invited Article/Publication: Nasr, Nabil. "Beyond Electricity to Solve Climate Change." ISE Magazine. (2019). Print. ^

Journal Paper: Nasr, Nabil, et al. "Design for Sharing, Incentivizing Circular Bike Sharing Systems." Review of Studies on Sustainability. 1 (2019): 93-120. Print. ~

Invited Keynote/Presentation: Nasr, Nabil. "Sustainable Production and the Circular Economy." Strategic Research Initiatives Seminar. University of Miami, College of Engineering. Coral Gables, FL. 4 Feb. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil, Joselyn Bleriot, and Janez Potocnik. "Redefining Value - The Manufacturing Revolution, Remanufacturing, Refurbishment, Repair and Direct Reuse in the Circular Economy." 2019 World Resources Forum. WRF and Public Waste Agency of Flanders (OVAM). Antwerp, Belgium, NA. 25 Feb. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "The REMAN Co-Initiative." CE100 USA Acceleration Workshop. The Ellen MacArthur Foundation. Beaverton, OR. 1 Apr. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "Remanufacturing and the Circular Economy." Reman Day 2019. John Deere. Waterloo, IA. 11 Apr. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "Sourcing Eco-Circularity: The Hunt for Collaborative Partnerships for Sustainable Material Scale-up." Movin\` On Summit 2019. Michelin. Montreal, Quebec Canada, NA. 5 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Nasr, Nabil. "Remanufacturing Overview." Amazon Renewed Annual Summit. Amazon. Seattle, WA. 12 Sep. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "Advances in U.S. Manufacturing/MFG USA." New York State Innovation Summit. NYSTAR and Fuzehub. Rochester, NY. 8 Oct. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "Updates from the REMADE Institute." 2019 World Remanufacturing Conference. Remanufacturing Industries Council and RIT. Rochester, NY. 9 Oct. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "Remanufacturing: Discussion on Potential New Work." 25th Meeting of the UN Environment Programme International Resource Panel. UNEP IRP. Bled, Slovenia, NA. 7 Nov. 2019. Keynote Speech.

Invited Keynote/Presentation: Nasr, Nabil. "Innovation in Materials Manufacturing through Circular Economy." ASM Global Materials Summit. ASM. Marco Island, FL. 5 Dec. 2019. Keynote Speech.

Published Conference Proceedings: Valant, Christopher J, et al. "Evaluation of 1D CNN Autoencoders for Lithium-ion Battery Condition Assessment Using Synthetic Data." Proceedings of the Proceedings of the Annual Conference of the PHM Society. Ed. N. Scott Clements, Bin Zhang, and Abhinav Saxena. Scottsdale, Arizona: PHM Society, 2019. Print. *

Nenad Nenadic, Research Associate Professor

Published Conference Proceedings: Dykas, Brian, et al. "Diagnostic Features from Aircraft Propulsion Bearings in Accelerated Aging Experiments." Proceedings of the VFS 75th Annual Forum & Technology Display. Ed. Luigi Ricci Moretti. Philadelphia, PA: Vertical Flight Society, 2019. Web. *

Thomas Trabold, Associate Professor

Journal Paper: Hegde, Swati and Thomas A. Trabold. "Anaerobic Digestion of Food Waste with Unconventional Co-Substrates for Stable Biogas Production at High Organic Loading Rates." Sustainability 11. (2019): 3875. Print. *

Christopher Valant

Journal Paper: Valant, Christopher J, Nenad G Nenadic, and Gabrielle Gaustad. "Characterizing Large-Scale, Electric-Vehicle Lithium Ion Transportation Batteries for Secondary Uses in Grid Applications." Batteries, an Open Access Journal by MDPI 5. 1 (2019): NA. Web. *

International Campuses

RIT Croatia

Branko Mihaljević

Invited Keynote/Presentation: Radovan, Aleksander and Branko Mihaljević. "Controlling Solar Electric System using Java." 8th International Java Conference in Croatia - JavaCro'19. HUJAK & HrOUG. Umag, Croatia. 12 May 2019. Lecture.

Invited Keynote/Presentation: Mihaljević, Branko and Aleksander Radovan. "Java in Croatia and HUJAK." 6th International Community Java Conference in Croatia - Javantura v6. HUJAK. Zagreb, Croatia. 23 Feb. 2019. Keynote Speech.

Invited Keynote/Presentation: Mihaljević, Branko, Aleksander Radovan, and Martin Žagar. "Software Development in Java - Today and Tomorrow." 24th Croatian Oracle User Group Conference - HrOUG 2019. HrOUG. Rovinj, Croatia. 15 Oct. 2019. Conference Presentation.

Published Conference Proceedings: Žagar, Martin, Stephen Zilora, and Branko Mihaljević. "Assessment of Student Learning in Capstone Project." Proceedings of the EDULEARN19. Ed. L. Gómez Chova, A. López Martínez, and I. Candel Torres. Palma de Mallorca, Spain: IATED Academy, 2019. Web. «

Published Conference Proceedings: Šipek, Matija, Branko Mihaljević, and Aleksander Radovan. "Exploring Aspects of Polyglot High-Performance Virtual Machine GraalVM." Proceedings of the 42nd International Convention for Information and Communication Technology, Electronics and Microelectronics (MIPRO 2019). Ed. Karolj Skala. Opatija, Croatia: MIPRO, 2019. Print. «

Published Conference Proceedings: Pufek, Paula, Hrvoje Grgić, and Branko Mihaljević. "Analysis of Garbage Collection Algorithms and Memory Management in Java." Proceedings of the 42nd International Convention for Information and Communication Technology, Electronics and Microelectronics (MIPRO 2019). Ed. Karolj Skala. Opatija, Croatia: MIPRO, 2019. Print. «

Invited Keynote/Presentation: Žagar, Martin and Branko Mihaljević. "Experiences of International Software Development Project Cooperation." 8th International Java Conference in Croatia - JavaCro'19. HUJAK & HrOUG. Umag, Croatia. 12 May 2019. Lecture.

Invited Keynote/Presentation: Mihaljević, Branko, Aleksander Radovan, and Martin Žagar. "The State of Java and Software Development in Croatia." 8th International Java Conference in Croatia - JavaCro'19. HUJAK & HrOUG. Umag, Croatia. 12 May 2019. Keynote Speech.

Published Conference Proceedings: Žagar, Martin, Josip Knezović, and Branko Mihaljević. "Enabling Reliable, Interoperable and Secure e-Government Services in Croatia." Proceedings of the Central and Eastern European eDem and eGov Days 2019. Ed. A. Nemeslaki. Budapest, Hungary: Facultas - Austrian Computer Society, 2019. Print. «

Published Conference Proceedings: Žagar, Martin, Stephen Zilora, and Branko Mihaljević. "International Student Cooperation in Capstone Research Project." Proceedings of the 2019 IEEE Global Engineering Education Conference (EDUCON). Ed. Alaa K. Ashmawy. Dubai, UAE: American University in Dubai, 2019. Print. «

Invited Keynote/Presentation: Mihaljević, Branko, Matija Šipek, and Paula Pufek. "On the Aspects of Polyglot Programming and Memory Management in a VM – GraalVM and Contemporary GCs." 6th International Community Java Conference in Croatia - Javantura v6. HUJAK. Zagreb, Croatia. 23 Feb. 2019. Lecture.

Evelina Miscin

Published Conference Proceedings: Evelina, Miščin,. "Teaching Academic English Writing-Challenges and Obstacles." Proceedings of the HDPL, Rijeka May 2018. Ed. Matešić. Rijeka, Croatia: n.p., Print. «

Published Conference Proceedings: Miščin, Evelina. "Creating Medical Glossary for Classroom Purposes." Proceedings of the Language and mind - Croatian Association of Applied Linguistics, May, 2018. Ed. Anastazija Vlastelić and Mihaela Matešić. Rijeka, Croatia: n.p., Print. «

Published Conference Proceedings: Miščin, Evelina. "Error Analysis of Written English Essays." Proceedings of the 5th International Symposium on Humanistic Studies 2019, Cuba, June 2019. Ed. University of Santa Clara. Santa Clara, Cuba: n.p., Web. «

Alan Mutka

Journal Paper: Vrhovski, Zoran, et al. "System for Evaluation and Compensation of Leg Length Discrepancy for Human Body Balancing." Applied Sciences-Basel 9. (2019): 2504. Web. *

Jakob Patekar

Journal Paper: Ivanović, Sanja Vičević, Jakob Patekar, and Nataša Košuta. "Do Study Programs in Croatia Prepare Future Foreign Language Teachers to Work with Young Learners?" Croatian Journal of Education 21. 1 (2019): 307-344. Web. «

Journal Paper: Patekar, Jakob. "Prihvatljivost prevedenica kao zamjena za anglizme." Fluminensia 31. 2 (2019): 143-179. Web. «

Jasminka Samardzija

Published Conference Proceedings: Samardzija, Jasminka. "Globalization Propensity of Transition leaders: push and pull factors." Proceedings of the 12th Annual Euromed Academy of Business (EMAB), Business Management Theories and Practices in a Dynamic Competitive Environment Thessaloniki, Greece September 18-20, 2019. Ed. Demetris Vrontis, Yaakov Weber, Evangelos Tsoukatos. Thessaloniki, Greece: EuroMed Press, 2018. Web. «

Published Conference Proceedings: Samardzija, Jasminka. "Selfless vs Selfish Leaders: Who is More Productive, and Who is Happier?" Proceedings of the 8th PAR International Leadership Conference: The impact of business angels on global entrepreneurship, Opatija. Ed. Vladimir Rosić. Opatija, Croatia: PAR College, 2019. Print. «

Kristina Soric

Published Conference Proceedings: Soric, Kristina. "Teaching Business Mathematics Using Computers." Proceedings of the 2019 42nd International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO), Opatija, 20-24 May 2019. Ed. MIPRO 2019. Opatija, Croatia: IEEE Xplore Digital Library ., Web. «

Journal Paper: Jeric, Silvija Vlah and Kristina Soric. "Multi-Objective Optimization for the Integrated Supply and Production Planning in Olive Oil Industry." Ekonomski vjesnik : Review of Contemporary Entrepreneurship, Business, and Economic Issues, Vol. 32. No. 1 (2019): 129-138. Print. «

Martin Zagar

Journal Paper: Klapan, Ivica, et al. "Computer-Assisted Navigation, 3D-Surgical Planner, Augmented Reality in the Operating Room with 'in the Air' Surgeon's Commands as "Bio-mechanics" of the New Era in Personalized Contactless Hand-Gesture Non-Invasive Surgeon-Computer Interaction?" Biomedical Journal of Scientific & Technical Research 19. 5 (2019): 14678/14685. Web. «

Featured Faculty

RIT DUBAI

MOHAMED A. SAMAHA IS AN ASSOCIATE PROFESSOR AND GRADUATE PROGRAM ADVISOR, MECHANICAL ENGINEERING, AT RIT'S CAMPUS IN DUBAI. HIS RESEARCH FOCUSES ON EXPERIMENTAL, NUMERICAL AND THEORETICAL APPROACHES IN THERMOFLUIDS WITH APPLICATIONS IN ACTIVE AND PASSIVE FLOW CONTROL FOR SAVING ENERGY. IN ADDITION, HIS RESEARCH SPANS METHODS OF HARVESTING RENEWABLE ENERGY INCLUDING WIND TURBINES AND SOLAR PANELS. MOHAMED ALSO WORKED IN ADVANCING RELATIVELY LOW-COST MICRO/NANOFABRICATION OF SLIPPERY SUPERHYDROPHOBIC AND OMNIPHOBIC SURFACES FOR DRAG-REDUCTION PURPOSES. HE ALSO CONTRIBUTED TO OTHER AREAS SUCH AS TURBULENCE MODELING OF THE FLOW THROUGH HYDRAULIC CAPSULE PIPELINES.

Mohamed is collaborating with Professor Ghalib Y. Kahwaji and a team at RIT-Dubai on research projects funded from the U.A.E government and industry. The projects include: (1) passive natural convection enhancement around a horizontal cylinder with applications in industrial systems including heat exchangers, boilers and electronics cooling systems; (2) development of energy storage systems using phase-change materials; (3) characterization of the accumulated dust layer on solar panels; and (4) design optimization of high capacity ground-coupled heat exchanger. Dr. Samaha is recently collaborating with a research group from the main campus at Rochester, NY, and co-advising a Ph.D. student, Nastaran Naghshineh, with her main advisor, Professor Steven Weinstein. They are advancing a theoretical model to simulate the configuration of a thin viscous flow around a rotating cylinder to form a stable roller coating. Meanwhile, Mohamed is collaborating with Professor Kahwaji and a team at Korea Maritime & Ocean University, Busan, South Korea headed by Professor Young-Ho Lee to design a new profile for wind lens aiming to increase the wind turbine efficiency.

Prior to joining RIT-Dubai, Dr. Samaha was a postdoctoral research associate for two years at Princeton University, NJ, working on the grant of Multidisciplinary University Research Initiative (MURI), Office of Naval Research (ONR) jointly with other groups from Harvard, MIT, Stanford, Johns Hopkins, Michigan, Minnesota, and others. They were advancing a new slippery omniphobic coating for drag reduction purposes. During his doctoral thesis at Virginia Commonwealth University (VCU), VA, he was working in the area of experimental and computational characterization of superhydrophobic slippery surfaces fabricated using AC-electrospinning and random particle deposition, funded from the Defense Advanced Research Projects Agency (DARPA). During his master thesis at Alexandria University, Egypt, he has advanced CFD turbulence models to simulate hydraulic capsule pipeline flow.

So far, Mohamed has published 18 journal articles, two more in preparation and 24 conference papers and abstracts. His articles have been published in prestigious journals including Physics of Fluids, Langmuir, Journal of Colloid and Interface Science, Review of Scientific Instruments, Measurement Science and Technology, the ASME Journal of Fluids Engineering, the AIAA Journal of Thermophysics and Heat Transfer and others. Additionally, he is an official reviewer in several journals. Mohamed is a member of the American Physical Society (APS) and the advisor of the ASHRAE Student chapter at RIT-Dubai.

Mohamed A. Samaha
Associate Professor
RIT-Dubai, U.A.E



Featured Faculty

RIT CROATIA

DR. ŽAGAR'S RESEARCH IS MAINLY FOCUSED ON MULTIMEDIA APPLICATIONS AND HIGH-PERFORMANCE COMPUTING WITH ITS APPLICATIONS IN TELEMEDICINE. MORE SPECIFICALLY, HIS RESEARCH IS MOST RECENTLY ORIENTED ON MEDICAL DIAGNOSTICS TO BE PERFORMED IN A COLLABORATIVE, DISTRIBUTED AND MOBILE ENVIRONMENT; MULTIDIMENSIONAL COMPRESSION OF MEDICAL DATA; CONTACTLESS SURGERY; ELECTRONIC HEALTH RECORD; MEDICAL IMAGING AND OTHER E- AND M-HEALTH APPLICATIONS. AS A PART OF RESEARCH ON CONTACTLESS SURGERY,

Dr. Žagar with his collaborators has developed a special plug-in application for DICOM (standard for digital medical images) viewer, enabling users to use a motion-tracking sensor as an interface for camera positioning in 3D Volume Rendering (3DVR) and Virtual Endoscopy (VE) views. They defined different types of gestures for 3DVR and VE, which enable navigation through virtual 3D space, adjusting the viewing angle and camera position, using only one hand. Consequently, this has minimized surgeon distraction while interacting with the positioning system. Results are published in several conference and journal papers.

Aside from his primary research track, Dr. Žagar has also developed the framework for multidimensional medical data compression and a framework for the medical image diagnostics on the move. He is also working together with professors from the Rochester campus (Prof. Zilora, Prof. Patric, Prof. Keller) and Dubai campus (Prof. Raza) on delivering international capstone projects for IT students as a real international joint multicampus project in collaboration with the industry partners.

Dr. Žagar has published more than sixty publications including book and book chapters, highly indexed journal articles and conference proceedings, and technical reports. He is a Member of IEEE, AASCIT (American Association for Science and Technology), HiPEAC (European Network on High Performance and Embedded Architecture and Compilation), EAIE (European Association for International Education) and Croatian Academy of Science, and editor and reviewer in a couple of international journals.

Martin Žagar
Assist. Prof
RIT Croatia



Featured Faculty

RIT KOSOVO

BESNIK BISLIMI IS ASSISTANT PROFESSOR OF ECONOMICS AT THE ROCHESTER INSTITUTE OF TECHNOLOGY IN KOSOVO. HIS MAIN AREAS OF RESEARCH ARE FISCAL POLICY, LABOR MARKETS AND MONETARY POLICY.

Dr. Bislimi has a PhD on Political Sciences with key focus on Public Finances. He teaches various economic courses, including Labor Economics and Public Finance. His current involvement is on relevant labor market challenges in Kosovo, predominantly looking at the skills-mismatch between the educational output and market needs, costs of job creation in sectors with growth potential and the proper design of active labor market policies.

During 2019, Dr. Bislimi was also interested on the development of the financial market in Kosovo, main barriers for growth and eventual alternatives for further enforcement of competition. He also compared pros and cons of two different alternatives for potential new foreign direct investment in the banking sector: acquisition of existing banks or application for new licenses with the Central Bank.

Dr. Bislimi was also directly involved in the political life of the country, and following the results of October 6th elections and relatively long political negotiations aiming at a coalition agreement, he got appointed as the new Minister in the area of Finances and Government Transfers. Despite the many challenges in consolidating government budget and strengthening the good governance in spending public money, Dr. Bislimi is still fulfilling his assignments as professor at RITK.

**BESNIK BISLIMI
ASSISTANT PROFESSOR
RIT KOSOVO**



Journal Paper: Klapan, Ivica, et al. "Do We Really Need a New Navigation-Noninvasive "on the Fly" Gesture-Controlled Incisionless Surgery?" Biomedical Journal of Scientific & Technical Research 20. 5 (2019): 15394-15404. Web. «

Journal Paper: Klapan, Ivica, et al. "Utilization Of 3d Medical Imaging and Touch-Free Navigation in Endoscopic Surgery: Does our Current Technologic Advancement Represent the Future Innovative Contactless Noninvasive Surgery in Rhinology? What is Next?" Biomedical Journal of Scientific & Technical Research 22. 1 (2019): 16336-16344. Web. «

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Published Conference Proceedings: Zagar, Martin, Stephen Zilora, and Branko Mihaljevic. "Assessment of Student Learning in Capstone Project." Proceedings of the EDULEARN19. Ed. Gómez Chova, L, López Martínez, A, and Candel Torres I. Palma de Mallorca, Spain: IATED Academy, 2019. Web. «

Published Conference Proceedings: Zilora, Stephen and Martin Zagar. "A Capstone Course for The 21st Century Industry." Proceedings of the INTED2019. Ed. L. Gómez Chova, A. López Martínez, and I. Candel Torres. Valencia, Spain: n.p., 2019. Web. «

Journal Paper: Knezovic, Josip, Martin Zagar, and Hrvoje Mlinaric. "Software System for Efficient Lossless Compression of Medical Images." Technical Gazette 26. 4 (2019): 995-1000. Web. «

Published Conference Proceedings: Mihaljevic, Branko, Aleksander Radovan, and Martin Zagar. "The State of Java and Software Development in Croatia." Proceedings of the 8th International Java Conference in Croatia - JavaCro'19. Ed. Davor Rankovic. Umag, Croatia: HUJAK, 2019. Web. *

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RIT Dubai

Wael Abdel Samad

Published Conference Proceedings: Yousefi, Mohammad, et al. "Computational Design of a CubeSat Compatible Reentry Capsule." Proceedings of the 8th European Conference for Aeronautics and Space Sciences (EUCASS 2019). Ed. EUCASS. Madrid, Spain: EUCASS2019-504, 1019. Web. *

Salman Pervaiz

Journal Paper: Pervaiz, S., et al. "Role of Energy Consumption, Cutting Tool and Workpiece Materials Towards Environmentally Conscious Machining: A Comprehensive Review." Proc IMechE Part B: Journal of Engineering Manufacture. (2019): 1-20. Print. *

Journal Paper: Ishfaq, K., et al. "Exploring the Contribution of Unconventional Parameters on Spark Gap Formation and its Minimization During WEDM of Layered Composite." The International Journal of Advanced Manufacturing Technology 102. (2019): 1659–1669. Print. *

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Book Chapter: Pervaiz, S., et al. "Numerical Modeling of Charpy Impact Test to Determine the Fracture Characteristics of Aluminium Alloy 6061." Fracture, Fatigue, Failure and Damage Evolution. Ed. Carroll J., et al. Cham, SWITZERLAND: Springer, Cham, 2019. 85-88. Web. *

Published Conference Proceedings: Nouzil, I., S. Pervaiz, and S. Kannan. "Numerically Constructed Energy Consumption Mapping for the Orthogonal Machining of Ti6Al4V." Proceedings of the ASME International Mechanical Engineering Congress and Exposition (IMECE) 2019. Ed. Alberto Cuitino (Technical Program Chair). Salt Lake City, Utah: ASME, Print. *

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Published Conference Proceedings: Ibrahim, A., A. A. Warsame, and S. Pervaiz. "Finite Element (FE) Assisted Investigation of the Compliant Mechanism Made of Various Polymeric Materials." Proceedings of the 2nd International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT) 2019. Ed. Karthikeyan Ram. Dubai, United Arab Emirates: Elsevier – Materials Today: Proceedings, Print. *

Mohamed A Samaha

Published Conference Proceedings: Samaha, Mohamed A., et al. "Influence of Shroud – Chimney Configuration on Heat Transfer from Horizontal Cylinder: Experimental and Numerical Investigation." Proceedings of the 72nd Annual Meeting of the APS Division of Fluid Dynamics. Ed. Michael Thoennessen. Seattle, WA: American Physical Society, 2019. Web. *

Journal Paper: Kahwaji, Ghalib Y. and Mohamed A. Samaha. "Passive Natural Convection Augmentation from Horizontal Cylinder Using a Novel Shroud–Chimney Configuration." Journal of Thermophysics and Heat Transfer 33. 4 (2019): 1006-1017. Web. *

Kosovo

Albina Balidemaj

Journal Paper: Balidemaj, Albina and Small, Mark. "Returning home when immigration fails: risk factors and the need for improved care." Journal of nursing and social sciences related to health and illness 3. 21 (2019): 231-233. Web. «

Journal Paper: Balidemaj, Albina. "Human Rights Legislation in Albania: the case of human trafficking." The International Journal of Human Rights 8. 23 (2019): 1300-1316. Web. «

Journal Paper: Balidemaj, Albina and Small, Mark. "The effects of ethnic identity and acculturation in mental health of immigrants: A literature review." International Journal of Social Psychiatry 65. 3 (2019): 643-655. Web. «

National/International Competition Award

Winner: Balidemaj, Albina. The International Academic Forum. Senior Reviewer. Tokyo, Japan, 2019.

Journal Paper: Balidemaj, Albina and Small, Mark. "Acculturation, ethnic identity, and psychological well-being of Albanian-American immigrants in the United States." International Journal of Culture and Mental Health 11. 4 (2018): 712-730. Web. «

Peer Reviewed/Juried Poster Presentation:

Balidemaj, Albina and Small, Mark. "Acculturation, ethnic identity, and psychological wellbeing of Albanian-American immigrants in the United States." Proceedings of the 11th European Public Health Conference. Ed. European Journal of Public Health. Oxford, United Kingdom: Oxford University Press. *

Invited Keynote/Presentation: Balidemaj, Albina. "Acculturation, Ethnic Identity, and Psychological Well-Being of Albanian-American Immigrants in the United States." XVI European Congress of Psychology. Moscow State University. Moscow, Russia. 4 Jul. 2019. Conference Presentation. *

Kate Gleason College of
Engineering

Biomedical Engineering

Vinay V Abhyankar, Assistant Professor

Journal Paper: Williams, Matthew J, et al. "A Low-Cost, Rapidly Integrated Debubbler (RID) Module for Microfluidic Cell Culture Applications." *Micromachines* 10. 6 (2019): 360. Web. *

Iris Asllani, Research Associate Professor

Journal Paper: Mutsaerts, Henri J.M.M., et al. "Spatial Coefficient of Variation of Arterial Spin Labeling MRI as a Cerebrovascular Correlate of Carotid Occlusive Disease." *Plos ONE*. (2019): in press. Web. *

Published Conference Proceedings: Asllani, Iris, et al. "Measurement of Intraneurite Sodium Concentration from NODDI-based Partial Volume Correction of ^{23}Na MRI." *Proceedings of the International Society for Magnetic Resonance in Medicine*, Montreal, Canada, 11-16 May, 2019. Ed. ISMRM. Concord, CA: n.p., Print. «

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Journal Paper: deRoos, S R, et al. "Late Life Brain Perfusion After Prenatal Famine Exposure." *Neurobiology of Aging*. (2019): 1-9. Print. *

Invited Keynote/Presentation: Guzman-Moumtzis, Cristina. "Combining Perfusion with Diffusion MRI to Measure Cerebral Blood Flow at the Microstructural Level." *British Chapter - International Society for Magnetic Resonance in Medicine. ISMRM*. Sheffield, United Kingdom. 18 Sep. 2019. Conference Presentation. «

Peer Reviewed/Juried Poster Presentation: Plaindoux, A, et al. "Concomitant qBOLD and ASL MRI for Measuring Brain Function at Baseline." *Proceedings of the British Chapter - International Society for Magnetic Resonance in Medicine*. Ed. ISMRM. Oxford, United Kingdom: ISMRM. «

Peer Reviewed/Juried Poster Presentation: Asllani, I, et al. "Extra-neurite Perfusion Measurement with Combined Arterial Spin Labeling and Diffusion Weighted M." *Proceedings of the Organization for Human Brain Mapping (OHBM)*. Ed. OHBM. Minneapolis, MN: OHBM. «

Peer Reviewed/Juried Poster Presentation: Cercignani, M, et al. "Towards a Validation of R_2' as a Measure of Oxygen Extraction Fraction." *Proceedings of the Organization for Human Brain Mapping (OHBM)*. Ed. OHBM. Minneapolis, MN: OHBM. «

Published Game, Application or Software: Mutsaerts, HJM, et al. *ExploreASL: An Image Processing Pipeline for Multi-center ASL Perfusion MRI Studies*. Software. bioRxiv. 2019.

Peer Reviewed/Juried Poster Presentation: Browne, Zachary, Iris Asllani, and Cory Stiehl. "Development of Companion Projects for Vertical Integration of Design Experiences Through the BME Curriculum." *Proceedings of the BMES*. Ed. BMES. Philadelphia, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Marshall, Randolph, et al. "Cognitive Impairment Correlates Linearly with Mean Flow Velocity by Transcranial Doppler Below a Definable Threshold." Proceedings of the Cerebral Autoregulation Network, CARNET. Ed. CARNET. Leuven, Belgium: CARNET. *

Jennifer L Bailey, Senior Lecturer**Peer Reviewed/Juried Poster Presentation:**

Bailey, Jennifer, David Wick, and Steven Day. "Inclusion of Spatial Visualization Training in a Freshmen Intro to Biomedical Engineering Course." Proceedings of the 2019 BMES Annual Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Thomas R Gaborski, Associate Professor

Journal Paper: Salminen, AT, et al. "Ultrathin Dual-Scale Nano- and Micro-Porous Membranes for Vascular Transmigration Models." Small 15. 6 (2019): 1804111. Print. *

Journal Paper: Dehghani, M, et al. "Tangential Flow Microfluidics for the Capture and Release of Nanoparticles and Extracellular Vesicles on Conventional and Ultrathin membranes." Advanced Materials Technologies 4. 11 (2019): 1900539. Print. *

Peer Reviewed/Juried Poster Presentation:

Allahyari, Z and TR Gaborski. "Can Porous Membranes be Engineered to Induce Physiologically Relevant Cell-substrate Interactions?" Proceedings of the 2019 Annual North American Membrane Society Meeting. Ed. NA. Pittsburgh, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Dehghani, M and TR Gaborski. "Tangential Flow Microfluidics for the Capture and Release of Nanoparticles and Extracellular Vesicles on Conventional and Ultrathin Membranes." Proceedings of the 2019 Annual North American Membrane Society Meeting. Ed. NA. Pittsburgh, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Mireles, M, C Soule, and TR Gaborski. "Surface-Specific Thermoresponsive Coating of Membranes." Proceedings of the 2019 Annual North American Membrane Society Meeting. Ed. NA. Pittsburgh, PA: n.p.. *

Invited Keynote/Presentation:

Mireles, M, C Soule, and TR Gaborski. "Use of Nanosphere Self-Assembly to Pattern Nanoporous Membranes for the Study of Extracellular Vesicles." 2019 Annual North American Membrane Society Meeting. North American Membrane Society. Pittsburgh, PA. 15 May 2019. Conference Presentation. *

Peer Reviewed/Juried Poster Presentation:

Gholizadeh, S and TR Gaborski. "Low-cost Ultrathin Porous Polymeric Membranes with Precise Control Over Pore Size and Membrane Geometrical Features for Modeling Leukocyte Transmigration through Barrier Models." Proceedings of the 2019 Annual North American Membrane Society Meeting. Ed. NA. Pittsburgh, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Alahyari, Z and TR Gaborski. "Disrupted Surfaces Reduce Nuclear YAP Localization through Diminished Cell Spreading in ADSCs." Proceedings of the 2019 Annual Biomedical Engineering Society Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Salminen, A and TR Gaborski. "The Role of Endothelial Cell Apicobasal Polarity in Sepsis Associated Neutrophil Dysfunction." Proceedings of the 2019 Annual Biomedical Engineering Society Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Ahmed, A, TR Gaborski, and VV Abhyankar. "Microfluidic Shear Based Approach to Fabricate Physically Distinct Tissue Interfaces." Proceedings of the 2019 Annual Biomedical Engineering Society Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Featured Faculty

JING ZHANG IS THE KATE GLEASON ASSISTANT PROFESSOR IN THE DEPARTMENT OF ELECTRICAL AND MICROELECTRONIC ENGINEERING IN THE KATE GLEASON COLLEGE OF ENGINEERING. HER MAIN RESEARCH INTERESTS LIE IN SEMICONDUCTOR PHOTONICS AND NANOELECTRONICS.

The emerging of III-Nitride semiconductors has shown promising device applications on photonics and electronics, advancing knowledge in the field of lighting, communication, quantum technologies, health care, and energy. For the pursuit of high efficiency, compact size, and high-level integration, III-Nitride semiconductor technology has been explored extensively in the past decades with significant progress, especially in Nobel-prize winning invention of blue light emitting diodes (LEDs).

Dr. Zhang's research group focused on the use of III-Nitride materials for novel photonic and electronic devices such as ultraviolet (UV) LEDs/ lasers, monolithic white LEDs on novel ternary template, and nanowire power electronics for switching. For UV photonics, the wide bandgap materials have been widely used as the active region. However, the pursuit of efficient UV emitters with wavelength less than 250 nm has been limited to the fundamental challenge in physics. Her research work has proposed promising solutions for high-efficiency UV photonics. On the aspect of visible LEDs for solid state lighting, her work used novel ternary substrate for realizing green- and red-emitting LEDs, which leads to high-efficiency monolithic white LEDs.

Currently, III-Nitride based LEDs or micro LEDs have been investigated for the next generation display technology. The persistent issue, however, has been the lack of ability to integrate transistors with LEDs for control. Dr. Zhang's research presented a novel vertical III-Nitride nanowire field effect transistor (FET) that can be monolithically integrated with micro LEDs for the first time. The demonstrated voltage-controlled light-emitting unit provides area savings, scaling, and seamless vertical integration. The vertical nanowire FET has great potential in power switching applications too.

Dr. Zhang obtained B.S. degree in Electronic Science and Technology from Huazhong University of Science and Technology (2009), and Ph.D. degree in Electrical Engineering from Lehigh University (2013). Dr. Zhang has published more than 30 refereed journal papers and 65 conference proceedings including invited talks. She is a recipient of Texas Instruments/Douglass Harvey Faculty Development Award, and National Science Foundation (NSF) CAREER Award.

Jing Zhang
Assistant Professor
RIT Kate Gleason College of Engineering

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ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Peer Reviewed/Juried Poster Presentation:

Mireles, M, C Soule, and TR Gaborski. "Surface-Specific Thermoresponsive Coating of Membranes." Proceedings of the 2019 Annual Biomedical Engineering Society Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Mireles, M, C Soule, and TR Gaborski. "Use of Nanosphere Self-Assembly to Pattern Nanoporous Membranes for the Study of Extracellular Vesicles." Proceedings of the 2019 Annual Biomedical Engineering Society Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Gholizadeh, S and TR Gaborski. "Low-cost Ultrathin Porous Polymeric Membranes with Precise Control Over Pore Size and Membrane Geometrical Features for Modeling Leukocyte Transmigration through Barrier Models." Proceedings of the 2019 Annual Biomedical Engineering Society Meeting. Ed. NA. Philadelphia, PA: n.p.. *

Blanca H Lapizco-Encinas, Associate Professor**Journal Paper:** B.H., Lapizco-Encinas,, et al.

"Material-selective Separation of Mixed Micro-particles via Insulator-based Dielectrophoresis." Biomicrofluidics 13. 6 (2019): 64112. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, Lentz, C.J., and Hidalgo-Caballero, S. "Low Frequency Cyclical Potentials for Fine Tuning Insulator-based Dielectrophoretic Separations." Biomicrofluidics 13. 4 (2019): 44114. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas, and Hill, N. "On the Use of Correction Factors for the Mathematical Modeling of Insulator Based Dielectrophoretic Devices." Electrophoresis 40. 18-19 (2019): 2541-2552. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, et al. "Analysis of Bacteriophages with Insulator-Based Dielectrophoresis." Micromachines 10. 7 (2019): 450. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, et al.

"Joule Heating Effects in Optimized Insulator-based Dielectrophoretic Devices: An Interplay Between Post Geometry and Temperature Rise." Electrophoresis 40. 10 (2019): 1408-1416. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, "On the Recent Developments of Insulator Based Dielectrophoresis: A Review." Electrophoresis 40. 3 (2019): 358-375. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, Lentz, C.J., and Hidalgo-Caballero, S. "Assessment of Submicron Particle Zeta Potential in Simple Electrokinetic Microdevices." Electrophoresis 40. 10 (2019): 1395-1399. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, "Editorial: Dielectrophoresis 2019." Electrophoresis 40. 10 (2019): 1385-1386. Print. £ ≠

Journal Paper: B.H., Lapizco-Encinas,, "Watzig, H. Editorial: The Next Forty Years of Electrophoresis." Electrophoresis 40. 2 (2019): 225-225. Print. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, "PLENARY Presentation: Separation of Microparticles Employing Electric fields in Microfluidic Devices." Meeting of the Mexican Academy for the Research and Teaching of Chemical Engineering. AMIDIQ-MEXICO. Huatulco, Mexico. 7-10 May 2019. Keynote Speech. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, "KEYNOTE Presentation: Particle Separation and Assessment with Electric Fields." 26th International Symposium on Electro- and Liquid Phase-Separation Techniques. ITP. Toulouse, France. 1-4 Sep. 2019. Keynote Speech. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, "Strategies for Dynamic Particle Manipulation and Assessment Employing Insulator-based Dielectrophoresis." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, J. Lentz,, and d. Quevedo. "Electrokinetic characterization and sorting of protein nanoparticles." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas, and Lentz, C.J.; Hidalgo-Caballero, S. "Design of Custom Electrical Signals for Fine-tuning Dielectrophoretic Particle Separations." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, Coll De Peña, and Hill A. "Multi-stage Electrokinetic Microsystem for the Purification and Assessment of Microbes." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 16 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, et al. "Electrokinetic Assessment of Bacteriophage Virus." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, et al. "Insulator-based Dielectrophoresis to Characterize the Electrokinetic Behavior of Bacterial and Yeast Cells and Create a Library." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, Hill, N, and Coll De Peña A. "Multi-stage Electrokinetic Microsystem for the Purification and Assessment of Microbes." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas, and Hill, N. "Microparticle Separations Using Dielectrophoresis Chromatography." 2019 AES Annual meeting at Scix. FACSS. Palm Springs, CA. 14 Oct. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas, and Miller. A.; Hill, N. "Insulator-based Dielectrophoresis Chromatography of Cells and Polystyrene Particles." 2019 RIT Undergraduate Research Symposium. RIT. Rochester, NY. 1 Aug. 2019. Lecture. £ ≠

Invited Keynote/Presentation: B.H., Lapizco-Encinas,, Lentz, C.J., and Hidalgo-Caballero, S. "Purification and Concentration of Janus Protein Nano-particles using iDEP." 2019 RIT Undergraduate Research Symposium. RIT. Rochester, NY. 1 Aug. 2019. Lecture. £ ≠

Michael S Richards, Assistant Professor

Journal Paper: Kotelsky, Alexander, et al. "Evidence that Reduction in Volume Protects in Situ Articular Chondrocytes from Mechanical Impact." Connective Tissue Research. (2020): 1-15. Print. *

Journal Paper: Ackerman, Jessica E., et al. "Non-Invasive Ultrasound Quantification of Scar Tissue Volume Identifies Early Functional Changes During Tendon Healing." Journal of Orthopaedic Research 11. (2019): 2476-2485. Print. *

Invited Keynote/Presentation: Mix, Doran, et al. "Comparison of Elastic Modulus Inverse Estimation and the Pulse Wave Velocity Estimation for Monitoring Abdominal Aortic Aneurysms." 177th Meeting: Acoustical Society of America. Acoustical Society of America. Louisville, KY. 16 May 2019. Conference Presentation.

Invited Keynote/Presentation: Chimenti, Ruth, et al. "Ultrasound Strain Mapping For Measuring Tendon Compression in Patients with Tendinopathy." 16th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering. Columbia University. New York, NY. 14 Aug. 2019. Conference Presentation.

Invited Keynote/Presentation: Myers, Marlin, Alayna Loiselle, and Michael Richards. "Longitudinal Non-Invasive Ultrasonography to Measure Tensile Mechanical Properties in Tendon Healing." Biomedical Engineering Society Annual Meeting. Biomedical Engineering Society. Philadelphia, PA. 6 Oct. 2019. Conference Presentation.

Invited Keynote/Presentation: Aggouras, Anthony, et al. "Tendon Thickness and Impingement in Insertional Achilles Tendinopathy and the Influence of Exercise." Biomedical Engineering Society Annual Meeting. Biomedical Engineering Society. Philadelphia, PA. 6 Oct. 2019. Conference Presentation.

Karin Wuertz-Kozak

Journal Paper: Wippert, Pia-Maria, et al. "Alterations in Bone Homeostasis and Microstructure Related to Depression and Allostatic Load." *Psychother Psychosom* 88. 6 (2019): 383-385. Web. «

Invited Keynote/Presentation: Wuertz-Kozak, Karin. "Inflammatory Mediators in Disc Degeneration - Are They of Clinical Importance?" *Eurospine* 2019. EuSSAB. Helsinki, Finland. 15 Oct. 2019. Keynote Speech.

Invited Keynote/Presentation: Wuertz-Kozak, Karin, et al. "Expression of TRPV4 in Human IVDs and its Relevance in Stretch-induced Inflammation." *Eurospine* 2019. Spine Society of Europe. Helsinki, Finland. 16 Oct. 2019. Conference Presentation. «

Invited Keynote/Presentation: Wuertz-Kozak, Karin. "New Horizons in Degenerative Disc Disease." Annual Meeting of the Japanese Orthopaedic Association. Japanese Orthopaedic Association. Yokohama, Japan. 18 Oct. 2019. Keynote Speech.

Journal Editor: Wuertz-Kozak, Karin, ed. *International Journal of Molecular Sciences*. Basel, Switzerland: MDPI, 2019. Web.

Journal Editor: Wuertz-Kozak, Karin, ed. *Current Opinion in Biomedical Engineering*. Amsterdam, Netherlands: Elsevier, 2019. Web.

Journal Paper: Krupkova, Olga, et al. "Expression and Activity of Hyaluronidases HYAL-1, HYAL-2 and HYAL-3 in the Human Intervertebral Disc." *European Spine Journal Epub Ahead of Print*. (2019) Web. «

Invited Keynote/Presentation: Wuertz-Kozak, K., et al. "Differential Regulation of TRP Channel Gene Expression by Intervertebral Disc Degeneration and Back Pain." German Spine Society Meeting. German Spine Society. Munich, Germany. 28 Nov. 2019. Conference Presentation. «

Journal Paper: Sadowska, A., et al. "Differential Regulation of TRP Channel Gene and Protein Expression by Intervertebral Disc Degeneration and Back Pain." *Nature Sci Rep* 9. 1 (2019): epub. Web. «

Peer Reviewed/Juried Poster Presentation: Sadowska, A., et al. "How do IVD Cells Sense and Respond to Osmotic Stress: The Role of TRPM7 and TRPV4 Channels." *Proceedings of the ORS PSRS Meeting*. Ed. ORS. Skytop, USA: n.p.. «

Invited Keynote/Presentation: Herold, Tamara, et al. "Effect of BMI on the Clinical Outcome Following Microsurgical Decompression in Over-the-top Technique: Bi-centric Study with Analysis of 741 Patients." German Spine Society Meeting. German Spine Society. Munich, Germany. 28 Nov. 2019. Conference Presentation. «

Invited Keynote/Presentation: Quante, Markus, et al. "Effect of Perioperative Complications on the Clinical Outcome Following Lumbar Decompression Surgery." German Spine Society Meeting. German Spine Society. Munich, Germany. 29 Nov. 2019. Conference Presentation. «

Chemical Engineering

Brian Landi, Professor

Journal Paper: Leggiero, Anthony P, et al. "High Conductivity Copper–Carbon Nanotube Hybrids via Site-Specific Chemical Vapor Deposition." ACS Applied Nano Materials. (2019): 118-126. Print. *

Journal Paper: Wilhelm, Thomas S, et al. "Fabrication of Ordered Si Micropillar Arrays via Carbon Nanotube-Assisted Chemical Etching." ACS Applied NanoMaterials. (2019): 9b01838. Print. *

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Steven Weinstein, Professor

Journal Paper: Gascon, Katherine N., Steven J. Weinstein, and Michael G. Antoniadis. "Use of Simplified Surface Tension Measurements To Determine Surface Excess: An Undergraduate Experiment." Journal of Chemical Education 96. (2019): 342-347. Print. £

Journal Paper: Ruschak, Kenneth J. and Steven J. Weinstein. "Accurate Approximate Methods for the Fully Developed Flow of Shear-thinning Fluids in Ducts of Non-circular Cross Section." Journal of Fluids Engineering 141. (2019): 111202-1 to -7. Print. £

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Computer Engineering

Amlan Ganguly, Associate Professor

Journal Paper: Ganguly, A., et al. "Unified Testing and Security Framework for Wireless Network-on-Chip Enabled Multi-Core Chips." ACM Transactions on Embedded Computing Systems 18. 5 (2019): 0-20. Print. *

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Journal Paper: Ganguly, Amlan, et al. "Evaluation of Wireless Network-on-Chip Architectures with Microchannel-Based Cooling in 3D Multicore Chips." Elsevier Journal on Sustainable Computing: Informatics and Systems 21. (2019): 165-178. Print. *

Published Conference Proceedings: Ganguly, A., et al. "Multimodal Localization for Autonomous Agents." Proceedings of the Proceedings of Electronic Imaging: Image Processing Algorithms and Systems. Ed. Andrew Woods, Curtin University (Australia) and Radka Tezaur, Intel Corporation (US). San Francisco, CA: n.p., 2019. Web. «

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Andres Kwasinski, Professor

Book Chapter: Kwasinski, Andres, Wenbo Wang, and Fatemeh Shah Mohammadi. "Reinforcement Learning for Resource Allocation in Cognitive Radio Networks." Machine Learning for Future Wireless Communications. Ed. Fa-Long Luo. New York, NY: Wiley, 2019. 27-44. Print.

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Alexander C Loui

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Cory E Merkel

Published Conference Proceedings: Jones, Alex, et al. "A Segmented Attractor Network for Neuromorphic Associative Learning." Proceedings of the International Conference on Neuromorphic Systems. Ed. N/A. Knoxville, Tennessee: n.p., Web. *

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Raymond W Ptucha, Assistant Professor

Published Conference Proceedings: Li, Maojia, et al. "Task Selection by Autonomous Mobile Robots in a Warehouse Using Deep Reinforcement Learning." Proceedings of the 2019 Winter Simulation Conference. Ed. IEEE. National Harbor, MD: n.p., Web. «

Published Conference Proceedings: Seng, S., et al. "Towards Robust Open-World Detection of Deepfakes." Proceedings of the 26th ACM Conference on Computer and Communications Security. Ed. ACM. London, England: ACM, Web. «

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Published Conference Proceedings: Relyea, R., et al. "Multimodal Localization for Autonomous Agents." Proceedings of the Proceedings of Electronic Imaging: Image Processing Algorithms and Systems. Ed. SPIE. San Francisco, CA: n.p., Web. «

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Invited Keynote/Presentation: Ptucha, R. "Graph Convolutional Neural Networks and the Machine Intelligence Laboratory." Department of Computer Science and Engineering Seminar. University at Buffalo. Buffalo, NY. 16 Aug. 2019. Guest Lecture. Δ

Invited Keynote/Presentation: Ptucha, R. "What is and How Will Machine Learning Change our Lives." Keynote at the 2019 Engineering Symposium. Rochester Engineering Society. Rochester, NY. 23 Apr. 2019. Keynote Speech. Δ

Invited Keynote/Presentation: Ptucha, R. "Introduction to Deep Learning for Facial and Gesture Analysis." Tutorial at Automatic Face and Gesture Recognition Conference. IEEE. Lille, France. 20 May 2019. Lecture. Δ

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Andreas Savakis, Professor

Published Conference Proceedings: Rahman, F., B. Vasu, and A. Savakis. "Resilience and Self Healing of Deep Convolutional Object Detectors." Proceedings of the International Conference on Image Processing (ICIP). Ed. IEEE. Athens, Greece: IEEE, 2018. Web. *

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Electrical and Microelectronic Engineering

Mark A Indovina, Lecturer

Full Patent: Indovina, Mark Allen, et al. "Self-organized Multiple Appliance Network Connectivity Apparatus." U.S. Patent 10,462,022. 29 Oct. 2019.

Published Conference Proceedings: Langroudi, Hamed F., et al. "Digital Neuromorphic Chips for Deep Learning Inference: A Comprehensive Study." Proceedings of the SPIE Optical Engineering + Applications, 2019. Ed. Michael E. Zelinski, et al. San Diego, California: SPIE, 2019. Web. £

E Lyshevski, Professor

Full Length Book: Editor, Sergey E. Lyshevski, . Handbook on Nanoengineering, Quantum Science, and, Nanotechnology. Boca Raton, FL: CRC Press, 2019. Print. ~

Book Chapter: Lyshevski, Sergey E. and Ivan Puchades. "Microelectronics and Photonics in Quantum Processing and Communication." Nanoengineering, Quantum Science, and, Nanotechnology Handbook. Boca Raton, FL: CRC Press, 2019. 467-500. Print. ~

Published Conference Proceedings: Ptucha, R., et al. "Object Recognition, Identification and Classification for Intelligent Surveillance and Reconnaissance Platforms." Proceedings of the Defense and Commercial Sensing. Ed. SPIE. Baltimore, MD: SPIE, 2019. Print. £ ~

Published Conference Proceedings: Lyshevski, Sergey E., et al. "Analysis of Data-driven Processing in Inertial Measurement Systems for Wireless Optical Communication Applications." Proceedings of the Defense and Commercial Sensing. Ed. SPIE. Baltimore, MD: SPIE, 2019. Print. £ ~

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Book Chapter: Martirosyan, Karen, M. Hobosyan, and Sergey E. Lyshevski. "Integrated Micropropulsion Systems With Nanoenergetic Propellants." Nanomaterials in Rocket Propulsion Systems. New York, New York: Elsevier, 2019. 403-420. Print. ~

Gill Tsouri, Associate Professor

Published Conference Proceedings: Dautov, R. and G. R. Tsouri. "Elimination Yield Based Collision Resolution Protocol for Dense IoT Applications." Proceedings of the IEEE Consumer Communications and Networking Conference (CCNC). Ed. IEEE. Las Vegas, NV: IEEE, Print. *

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Journal Paper: Dautov, R. and G. R. Tsouri. "Effects of Passive Negative Correlation Attack on Sensors Utilizing Physical Key Extraction in Indoor Wireless Body Area Networks." IEEE Sensors Letters. (2019): 1-10. Print. *

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Industrial and Systems Engineering

Denis Cormier, Professor

Journal Paper: Mahajan, Chaitanya, et al. "Formation of Copper Nickel Bimetallic Nanoalloy Film Using Precursor Inks." Materials Sciences and Applications 10. 4 (2019): 349-363. Web. £

Journal Paper: Mahajan, Chaitanya, et al. "Magnetic Field Patterning of Nickel Nanofibers Using Nickel Precursor Ink." Materials 12. (2019): 1-12. Web. £

Journal Paper: Ouyang, Jing, Denis Cormier, and David Borkholder. "Piezoelectric Property Enhancement of PZT Thick Film Via Pulsed Flash Poling During Sinterin." ACS Applied Energy Materials 2. 1 (2019): 338-343. Web. £

Journal Paper: Forouzandeh, Farzad, et al. "A Nanoliter Resolution Implantable Micropump for Murine Inner Ear Drug Delivery." *Journal of Controlled Release* 298. (2019): 27-37. Web. £

Marcos Esterman, Associate Professor

Published Conference Proceedings: Takai, Shun and Marcos Esterman. "A Conceptual Framework and a Research Roadmap Towards Enhancing Team Working in Engineering Education." *Proceedings of the Proc. ASME. IDETC-CIE2019, Volume 3: 21st International Conference on Advanced Vehicle Technologies; 16th International Conference on Design Education.* Ed. ASME. Anaheim, CA: n.p., 2019. Print. £

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Journal Paper: Esterman, Marcos, et al. "Toward Robust Concurrent Product Development across the Supply Chain: a Risk Assessment Framework." *Journal of Engineering Design* 31. 3 (2020): 150-177. Web. £

Journal Paper: Takai, Shun and Marcos Esterman. "A Review of Team Effectiveness Models and Possible Instruments for Measuring Design-Team Inputs, Processes, and Outputs." *International Journal of Engineering Education* 35. 6(A) (2019): 1684-1697. Print. £

Michael Kuhl, Professor

Published Conference Proceedings: Relyea, Robert, et al. "Multimodal Localization for Autonomous Agents." *Proceedings of the 2019 IS&T International Symposium on Electronic Imaging.* Ed. IS&T. Springfield, VA: Society for Imaging Science and Technology, 2019. Web. *

Published Conference Proceedings: Gupta, Surendra K., et al. "An Orientation Program for Vertical Transfers in Engineering and Engineering Technology." *Proceedings of the ASEE 2019 Annual Conference.* Ed. ASEE. Washington, D.C.: American Society of Engineering Education, 2019. Web. *

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Published Conference Proceedings: Li, Maojia, et al. "Task Selection by Autonomous Mobile Robots in a Warehouse Using Deep Reinforcement Learning." *Proceedings of the 2019 Winter Simulation Conference.* Ed. N. Mustafee, K.-H.G. Bae, S. Lazarova-Molnar, M. Rabe, C. Szabo, P. Haas, and Y.-J. Son. Piscataway, NJ: IEEE, 2019. Web. *

Published Conference Proceedings: Sankaran, Prashant, et al. "Simulation Analysis of a Highway DNN for Autonomous Forklift Dispatching." *Proceedings of the 2019 Institute of Industrial and Systems Engineers Conference.* Ed. H.E. Romeijn, A. Schaefer, and R. Thomas. Norcross, GA: Institute of Industrial and Systems Engineers, 2019. Web. *

Matthew Marshall, Professor

Published Conference Proceedings: Wood, Alison, et al. "Work in Progress: Transformation through Liberal Arts-Focused Grand Challenges Scholars Programs." *Proceedings of the 2019 ASEE Annual Conference & Exhibition.* Ed. ASEE. Tampa, FL: n.p., Web. «

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Katie T McConky, Assistant Professor

Journal Paper: Saxena, Harshit, Omar Aponte, and Katie McConky. "A Hybrid Machine Learning Model for Forecasting a Billing Period's Peak Electric Load Days." *International Journal of Forecasting* 35. (2019): 1288-1303. Web. «

Journal Paper: McConky, Katie and Vaibhav Rungta. "Don't Pass the Automated Vehicles! System Level Impacts of Multi-vehicle CAV Control Strategies." *Transportation Research Part C* 100. (2019): 289-305. Web. *

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Journal Paper: Abikarram, Jose Batista, Katie McConky, and Ruben Proano. "Energy Cost Minimization for Unrelated Parallel Machine Scheduling under Real Time and Demand Charge Pricing." *Journal of Cleaner Production* 208. (2019): 232-242. Web. *

Ruben Proano, Associate Professor

Journal Paper: Konrad, Renata, et al. "Key Considerations when Using Health Insurance Claims Data in Advanced Data Analyses: An Experience Report." *Health Systems*. (2019): 1-9. Web. «

Journal Paper: Portales-Castillo, Ignacio, et al. "Where Do the Salt and Water Go? A Case of Profound Hyponatremia." *American Journal of Kidney Diseases* 72. 6 (2018): 885-889. Print. «

Invited Keynote/Presentation: Proano, Ruben A. "Insights from an Optimization-based Approach Forredesigning the Global Vaccine Market." *International Conference on Industrial Engineering*. Society of Industrial and Systems Engineers. Quito, Ecuador. 22 Feb. 2019. Keynote Speech.

Invited Keynote/Presentation: Proano, Ruben A. "Enhancing Affordability and Profitability in the Global Vaccine Market via Market Coordination." *INFORMS Healthcare*. INFORMS,. Cambridge, MA. 27 Jul. 2019. Conference Presentation.

Invited Keynote/Presentation: Proano, Ruben A. "An OR-based Hypothetically Coordinated Vaccine Market." *INFORMS Annual Meeting*. INFORMS. Seattle, WA. 23 Oct. 2019. Conference Presentation.

Invited Keynote/Presentation: Proano, Ruben A. "Insights from a Study on a Hypothetically Coordinated Vaccine Market." *UNICEF Supply Division Meeting*. UNICEF Vaccine Center. Copenhagen, Denmark. 12 Nov. 2019. Guest Lecture.

Ehsan Rashedi, Assistant Professor

Peer Reviewed/Juried Poster Presentation: Karvekar, Swapnali, Masoud Abdollahi, and Ehsan Rashedi. "Smartphone-based Human Fatigue Detection for Daily Activities Using Gait Analysis." *Proceedings of the Applied Human Factors and Ergonomics*. Ed. AHFE. Washington, DC: n.p.. *

Published Conference Proceedings: Karvekar, Swapnali, Masoud Abdollahi, and Ehsan Rashedi. "A Data-Driven Model to Identify Fatigue Level Based on the Motion Data from a Smartphone." *Proceedings of the 2019 IEEE Western New York Image and Signal Processing*. Ed. IEEE. Rochester, NY: n.p., Web. *

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Iris Rivero, Professor

Journal Paper: Stromberg, Loreen R., et al. "Stamped Multilayer Graphene Laminates for Disposable in-field Electrodes: Application to Electrochemical Sensing of Hydrogen Peroxide and Glucose." *Microchimica Acta* 186. 533 (2019): 1-13. Print. «

Brian Thorn, Professor

Journal Paper: Tornese, Fabiana, et al. "Environmental and Economic Impacts of Preemptive Remanufacturing Policies for Block and Stringer Pallets." *Journal of Cleaner Production* 235. October 20 (2019): 1327-1337. Web. *

Invited Article/Publication: Laboratories, Underwriters. "Product Category Rule (PCR) Guidance for Wooden Pallets, EPD Requirements." *Product Category Rule (PCR) Guidance for Wooden Pallets, EPD Requirements*. (2019). Print. ^

Mechanical Engineering

Stephen Boedo, Professor

Journal Paper: Boedo, S. "Singularity Functions Revisited: Clarifications and Extensions for Construction of Shear-Moment Diagrams in Beams." *International Journal of Mechanical Engineering Education*. (2019): 1-20. Web. «

Ke Du

Journal Paper: Qin, Peiwu, et al. "Rapid and Fully Microfluidic Ebola Virus Detection with CRISPR-Cas13a." *ACS Sensors*. (2019): 1048-1054. Print. *

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Journal Paper: Du, Ke, et al. "Manipulation of the Superhydrophobicity of Plasma-Etched Polymer Nanostructures." *Micromachines*. (2018): 304. Web. *

Journal Paper: Du, Ke, et al. "Self-formation of polymer nanostructures in plasma etching: mechanisms and applications." *Journal of Micromechanics and Microengineering*. (2017): 14006. Print. *

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Journal Paper: Chen, Xinye, et al. "Rapid Escherichia coli (E. coli) Trapping and Retrieval from Bodily Fluids via a Three-Dimensional (3D) Beads Stacked Nano-Device." *ACS Applied Materials and Interfaces*. (2020): In press. Print. *

Hany Ghoneim, Professor

Published Conference Proceedings: Braescu, V., A. Fuentes-Aznar, and H. Ghoneim. "Enhancing Load Capacity of Plastic Gears Via the Application of Woven Composite Blankets." *Proceedings of the American Society for Composites*. Ed. Kyriaki Kalaitzidou. Atlanta, Georgia: n.p., 2019. Print. «

Amitabha Ghosh, Professor

Published Conference Proceedings: Ghosh, Amitabha. "Challenges in Teaching Ideal Flows to ME Students Concurrently with Senior Design." *Proceedings of the 126th ASEE Annual Conference and Exposition*. Ed. ASEE. Tampa, Florida: ASEE, 2019. Print. «

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Surendra Gupta, Professor

Book Chapter: Takacs, G. A., et al. "Enhancing the wettability of Polybenzimidazole (PBI) to Improve Fuel Cell Performance." *Advances in Contact Angle, Wettability and Adhesion*. Ed. K. L. Mittal. New York, NY: John Wiley & Sons, 2019. 179-192. Print. *

Journal Paper: Lutondo, S., et al. "Surface Modification of Polyethersulfone (PES) with Ozone." *Ozone: Science & Engineering* 41. 5 (2019): 448-453. Print. *

Journal Paper: Mahajan, C. G., et al. "Formation of Copper Nickel Bimetallic Nanoalloy Film Using Precursor Inks." *Materials Sciences and Applications* 10. 4 (2019): 349-363. Print. *

Published Conference Proceedings: Gupta, S. K., et al. "An Orientation Program for Vertical Transfers in Engineering and Engineering Technology." *Proceedings of the 2020 ASEE Annual Conference*. Ed. American Society for Engineering Education. Tampa, FL: American Society for Engineering Education, 2019. Web. «

Edward C Hensel Jr., Professor

Journal Paper: Eddingsaas, Nathan C., et al. "Effect of User Puffing Topography on Total Particulate Matter, Nicotine, and Volatile Carbonyl Emissions from Narghil waterpipes." *Tobacco Control*. (2019): 16. Web. *

Journal Paper: Hensel, Edward C., et al. "Framework to Estimate Total Particulate Mass and Nicotine Delivered to E-cig Users from Natural Environment Monitoring Data." *Scientific Reports*. (2019): 9. Web. *

Peer Reviewed/Juried Poster Presentation: Hensel, E.C., et al. "Hookah Topography in the Natural Environment to inform Behavior-Based Design of Experiments for Emissions Testing." *Proceedings of the 2019 Tobacco Regulatory Science Meeting*. Ed. NIH. Bethesda, MD: NIH. *

Peer Reviewed/Juried Poster Presentation: Robinson, Risa J and Edward C Hensel. "Should Low Nicotine Eliquids be Considered Low Yield Products?" *Proceedings of the 2019 Tobacco Regulatory Science Meeting*. Ed. NIH. Bethesda, MD: NIH. *

Peer Reviewed/Juried Poster Presentation: Eddingsaas, Nathan C., et al. "Effect of Puff Flowrate and Puff Duration on emission of Particulate Matter, Nicotine, and Aldehydes from Narghil Waterpipes." *Proceedings of the 2019 Tobacco Regulatory Science Meeting*. Ed. NIH. Bethesda, MD: NIH. *

Peer Reviewed/Juried Poster Presentation: Robinson, Risa J and Edward C Hensel. "A New Approach to Assess Yield Delivered to the Mouth of Ends Users Based On Product Emissions and Natural Environment Topography." *Proceedings of the SRNT 2019 Annual Meeting*. Ed. SRNT. San Francisco, CA: SRNT. *

Peer Reviewed/Juried Poster Presentation: Hensel, Edward C., et al. "Framework to Report Total Particulate Mass and Aldehyde Emission Characteristics from Hookah." *Proceedings of the SRNT 2019 Annual Meeting*. Ed. SRNT. San Francisco, CA: SRNT. *

Peer Reviewed/Juried Poster Presentation: Meyers, Bryan T, et al. "Characterization of the wPUMTM Generation 3 Topography Monitors." *Proceedings of the 2019 BMES Annual Meeting*. Ed. BMES. Philadelphia, PA: BMES. *

Patricia Iglesias Victoria, Associate Professor

Journal Paper: Guo, H., R. Adukere, and P. Iglesias. "Effect of Ionicity of Three Protic Ionic Liquids as Neat Lubricants and Lubricant Additives to a Biolubricant." *Coatings* 9 (11). (2019): 713. Web. «

Journal Paper: Guo, H., et al. "Lubricating Ability of Hydroxyl Magnesium Silicate-based Nanopowder as lubricant Additive." *Tribology transactions* In press. (2019): 123. Web. «

Journal Paper: Sol, I. del, et al. "Tribological Performance of Ionic Liquids as Additives of Water-based Cutting Fluids." *Wear* 426-427. Part A (2019): 845-852. Web. «

Journal Paper: Salguero, J., et al. "Effect of Laser Parameters on the Tribological Behavior of Ti6Al4V Titanium Microtextures Under Lubricated Conditions." *Wear* 426-427. Part B (2019): 1272-1279. Web. «

Journal Paper: Vazquez-Martinez, J. M., et al. "Assessment the Sliding Wear Behavior of Laser Microtexturing Ti6Al4V under Wet Conditions." *Coatings* 9. 67 (2019): 121. Web. «

Published Conference Proceedings: H.Guo, and P.Iglesias. "Tribological Properties of Ammonium Protic Ionic Liquids As Additives in Polyalphaolefin for Steel-Steel Contact." *Proceedings of the ASME 2019 International Mechanical Engineering Congress and Exposition, IMECE2018-10645*. Ed. ASME. Salt Lake City, Utah: n.p., Web. «

Published Conference Proceedings: S.A.Magar, , H.Guo, and P. Iglesias. "Ionic Liquid As Cutting Fluid Additive Using Minimum Quantity Lubricant (MQL) in Titanium-Ceramic Contact." *Proceedings of the ASME 2019 International Mechanical Engineering Congress and Exposition, IMECE2018-10645*. Ed. ASME. Salt Lake City, Utah: n.p., Web. «

Published Conference Proceedings: Guo, H. and P. Iglesias. "Investigation of Protic Ionic Liquids Used as Lubricants (Abstract only)." *Proceedings of the 2019 STLE Tribology Frontiers Conference*. Ed. STLE. Chicago, Ill: n.p., Web. «

Published Conference Proceedings: Sol, I. del, et al. "Tribological Performance of Ionic Liquids as Additives of Water-based Cutting Fluids." *Proceedings of the 22th International Conference on Wear of Materials*. Ed. WOM. Miami, Fl: n.p., Web. «

Published Conference Proceedings: Salguero, J., et al. "Effect of Laser Parameters on the Tribological Behaviour of Ti6Al4V Titanium Microtextures Under Lubricated Conditions (Abstract only)." *Proceedings of the 22th International Conference on Wear of Materials*. Ed. WOM. Miami, Fl: n.p., 2019. Web. «

Satish Kandlikar, Professor

Journal Paper: G., Kandlikar, S. "A New Perspective on Heat Transfer Mechanisms and Sonic Limit in Pool Boiling." *ASME. J. Heat Transfer* 141. 5 (2019): 12 pages. Web. *

Journal Paper: Emery, T. S. and S. G. Kandlikar. "Modeling Bubble Collisions at Liquid-Liquid and Compound Interfaces." *Langmuir* 35. 25 (2019): 8294-8307. Web. *

Journal Paper: Rishi, A. M., S. G. Kandlikar, and A. Gupta. "Improved Wettability of Graphene Nanoplatelets (GNP)/copper Porous Coatings for Dramatic Improvements in Pool Boiling Heat Transfer." *International Journal of Heat and Mass Transfer* 132. (2019): 462-472. Web. *

Journal Paper: Shamim, M. S., et al. "Evaluation of Wireless Network-on-chip Architectures with Microchannel-based Cooling in 3D Multicore Chips." *Sustainable Computing: Informatics and Systems* 21. (2019): 165-178. Web. *

Journal Paper: Rishi, A. M., S. G. Kandlikar, and A. Gupta. "Repetitive Pool Boiling Runs: A Controlled Process to Form Reduced Graphene Oxide Surfaces from Graphene Oxide with Tunable Surface Chemistry and Morphology." *Ind. Eng. Chem. Res* 58. 17 (2019): 7156-7165. Web. *

Journal Paper: Emery, T. S. and S. G. Kandlikar. "Film Size During Bubble Collision With a Solid Surface." *J. Fluids Eng* 141. 7 (2019): -. Web. *

Journal Paper: Ye, Xuemin, Satish G. Kandlikar, and Chunxi Li. "Viscosity of Nanofluids Containing Anisotropic Particles: A Critical Review and a Comprehensive Model." *Eur. Phys. J. E* 42. 159 (2019): -. Web. *

Journal Paper: Gonzalez-Hernandez, J.-L., et al. "Technology, Application and Potential of Dynamic Breast Thermography for the Detection of Breast Cancer." *International Journal of Heat and Mass Transfer* 131. (2019): 558-573. Web. *

Journal Paper: Recinella, A. N., et al. "Clinical Infrared Imaging in the Prone Position for Breast Cancer Screening—Initial Screening and Digital Model Validation." *ASME J of Medical Diagnostics* 3. 1 (2019): -. Web. *

Journal Paper: Hayes, A., et al. "Regulating Flow of Vapor to Enhance Pool Boiling." *Applied Thermal Engineering* 149. (2019): 1044-1051. Web. *

Journal Paper: Chauhan, A. and S. G. Kandlikar. "Characterization of a Dual Taper Thermosiphon Loop for CPU Cooling in Data Centers." *Applied Thermal Engineering* 146. (2019): 450-458. Web. *

Journal Paper: Ye, X., S. G. Kandlikar, and C. Li. "Viscosity of Nanofluids Containing Anisotropic Particles: A Critical Review and a Comprehensive Model." *Eur. Phys. J. E* 42. 12 (2019): 159. Web. *

Journal Paper: Bulut, M., S. G. Kandlikar, and N. Sozbir. "A Review of Vapor Chambers." *Heat Transfer Engineering* 40. 19 (2019): -. Web. *

Peer Reviewed/Juried Poster Presentation: Recinella, Alyssa, Jose Luis Gonzalez Hernandez, and Satish Kandlikar. "Steady-State Infrared Imaging for Breast Cancer Screening." *Proceedings of the Rochester Institute of Technology Graduate Showcases*. Ed. -. Rochester, NY: n.p.. ~

Peer Reviewed/Juried Poster Presentation: Gupta, A., A. Rishi, and S. Kandlikar. "Transformation of GO Surfaces to Reduced-GO Surfaces with Tunable Surface Chemistry and Morphology Via Pool Boiling Process." *Proceedings of the 2019 AIChE Annual Meeting*. Ed. -. Orlando, FL: n.p.. ~

Peer Reviewed/Juried Poster Presentation: Rishi, A., A. Gupta, and S. Kandlikar. "Pool Boiling Heat Transport: A Controlled Process to Form Reduced GO Surfaces from GO with Tunable Surface Chemistry and Morphology." *Proceedings of the 2019 AIChE Annual Meeting*. Ed. -. Orlando, FL: n.p.. ~

Peer Reviewed/Juried Poster Presentation: Chauhan, A. and S. G. Kandlikar. "High Heat Flux Dissipation Using Symmetric Dual-Taper Manifold in Pool Boiling." *Proceedings of the ASME 2019 17th International Conference on Nanochannels, Microchannels, and Minichannels*. Ed. -. St. John's, Newfoundland, Canada: n.p.. ~

Provisional Patent: Kandlikar, Satish, et al. "Detection and Characterization of Cancerous Tumors." U.S. Provisional Patent Application US20190385308A1. 19 Dec. 2019. «

Provisional Patent: Kandlikar, S. and A. Hayes. "Volcano-shaped Enhancement Features for Enhanced Pool Boiling." U.S. Provisional Patent Application US20190339008A1. 7 Nov. 2019. «

Full Patent: Jaikumar, A. and S. G. Kandlikar. "Pool Boiling Enhancement with Feeder Channels Supplying Liquid to Nucleating Regions." U.S. Patent US10473410B2. 12 Nov. 2019. «

Provisional Patent: Perez-Raya, I. and S. Kandlikar. "Method for Modeling Interfaces." U.S. Provisional Patent Application US20190332728A1. 31 Oct. 2019. «

Provisional Patent: Kandlikar, S. G., et al. "Passive Two Phase Heat Transfer Systems." U.S. Provisional Patent Application US20190293358A1. 26 Sep. 2019. «

Provisional Patent: Gupta, A., S. G. Kandlikar, and A. M. Rishi. "Multi-Step Electrodeposition Technique for Hierarchical Porous Coatings with Tunable Wickability, Wettability and Durability." U.S. Provisional Patent Application US20190226110A1. 25 Jul. 2019. «

Huaye Li

Journal Paper: Chen, Xinye, et al. "Experimental and Theoretical Study on the Microparticle Trapping and Release in a Deformable Nano-Sieve Channel." *Nanotechnology*. (2019): 6. Web. £

Risa Robinson, Professor

Journal Paper: Eddingsaas, Nathan C., et al. "Effect of User Puffing Topography on Total Particulate Matter, Nicotine, and Volatile Carbonyl Emissions from Narghil waterpipes." *Tobacco Control*. (2019): -. Web. *

Journal Paper: Hensel, E.C., et al. "Framework to Estimate Total Particulate Mass and Nicotine Delivered to E-cig Users from Natural Environment Monitoring Data." *Scientific Reports*. (2019): -. Web. *

Peer Reviewed/Juried Poster Presentation: Eddingsaas, N.C., et al. "Effect of Puff Flowrate and Puff Duration on the Emission of Particulate Matter, Nicotine, and Aldehydes from Narghil Waterpipes." *Proceedings of the 2019 Tobacco Regulatory Science Meeting*. Ed. -. Bethesda, MD: n.p.. *

Peer Reviewed/Juried Poster Presentation: Robinson, R. J. and E.C. Hensel. "Should Low Nicotine Eliquids be Considered Low Yield Products." *Proceedings of the 2019 Tobacco Regulatory Science Meeting*. Ed. -. Bethesda, MD: n.p.. *

Peer Reviewed/Juried Poster Presentation: Hensel, E.C., et al. "Hookah Topography in the Natural Environment to Inform Behavior-Based Design of Experiments for Emissions Testing." *Proceedings of the 2019 Tobacco Regulatory Science Meeting*. Ed. -. Bethesda, MD: n.p.. *

Peer Reviewed/Juried Poster Presentation: Meyers, B., et al. "Characterization of the wPUM™ Generation 3 Topography Monitors." *Proceedings of the 2019 BMES Annual Meeting Biomedical Engineering Society (BMES)*. Ed. -. Philadelphia, PA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Robinson, R.J. and E.C. Hensel. "A New Approach To Assess Yield Delivered To The Mouth Of Ends Users Based On Product Emissions And Natural Environment Topography." *Proceedings of the Podium Presentaion 3: Symposium 12 Measurement of ENDS Exposure, Society for Research on Nicotine & Tobacco*. Ed. -. San Francisco, CA: n.p.. *

Peer Reviewed/Juried Poster Presentation:

Hensel, E.C., et al. "Framework to Report Total Particulate Matter and Aldehyde Emission Characteristics from Hookah." *Proceedings of the Podium Presentaion 4: Symposium 15 Effects of Waterpipe Consituents and Design on Toxicity of Waterpipe Tobacco Smoke and Smoking Behaviors, Society for Research on Nicotine & Tobacco*. Ed. -. San Francisco, CA: n.p.. *

Invited Article/Publication: Robinson, Risa. "2. How a Person Vapes, not Just what a Person Vapes, Could also Play a Big Role in Vaping Harm." *The Conversation*. (2019). Web.

Journal Paper: Robinson, Risa J. and Edward C. Hensel. "Behavior-based Yield for Electronic Cigarette Users of Different Strength Eliquids Based on Natural Environment Topography." *Inhalation Toxicology* 31. 13-14 (2019): 484-491. Web. *

Robert J Stevens, Associate Professor

Published Conference Proceedings: Adhikari, Tejan and Robert J. Stevens. "Techno-Economic Analysis of Wireless Community Grid for Rural Communities." *Proceedings of the IEEE Global Humanitarian Technology Conference*. Ed. IEEE. Seattle, WA: n.p., Web. *

National Technical Institute for the Deaf

*American Sign Language and
Interpreting Education*

Joseph C Hill, Assistant Professor

Full Length Book: Hill, Joseph, Diane Lillo-Martin, and Sandra Wood. *Sign Languages: Structures and Contexts*. 1st Edition ed. New York, New York: Routledge, 2019. Print. ~

Kim Kurz, Associate Professor

Journal Paper: Kurz, Kim, Kellie Mullaney, and Corrine Occhino. "Constructed Action in American Sign Language: A Look at Second Language Learners in a Second Modality." *Languages* 4. 4 (2019): 1-19. Web. *

Invited Keynote/Presentation: Kurz, Kim and Christopher Kurz. "First and Second Language Acquisition." College of St. Benilde Deaf Program. College of St. Benilde. Manila, Philippines. 15 May 2019. Lecture. ≠

Invited Keynote/Presentation: Kurz, Chris and Kim Kurz. "Social Research 101." College of St. Benilde Deaf Program. College of St. Benilde. Manila, Philippines. 20 May 2019. Lecture. ≠

Peer Reviewed/Juried Poster Presentation: Kurz, Kim, et al. "The Cognitive Benefits of Learning a Second Language in a Second Modality: A Cross-sequential Study of ASL Learners." *Proceedings of the Linguistics Society of America*. Ed. LSA. New York, NY: n.p.. *

Published Game, Application or Software: Kurz, Christopher, et al. "World Around You." Software. WAY. 2019. ≠

Peer Reviewed/Juried Poster Presentation:

Kurz, Kim. "An Analysis of Constructed Action in American Sign Language Narratives: Comparing Native Signers and Second Language Learners." *Proceedings of the Theoretical Issues in Sign Language Research*. Ed. TISLR. Hamburg, Germany: n.p.. *

Uninvited Presentations: Dye, Matthew, Matt Huenerfauth, and Kim Kurz. "Sign Language Avatars Activate Phonological and Semantic Representations: Evidence from Working Memory and Priming Paradigms." *Theoretical Issues in Sign Language Research*. University of Hamburg. Hamburg, Germany. 29 Sep. 2019. Conference Presentation. *

Uninvited Presentations: Kurz, Kim and Joseph Hill. "The "heart" of interpretation from Deaf perspective." *World Federation of the Deaf*. France Association of the Deaf. Paris, France. 10 Jul. 2019. Conference Presentation. *

Invited Keynote/Presentation: Kurz, Chris and Kim Kurz. "Translation and Interpretation in Academic ASL: S(cubed) TEAM." *Partners in Deaf Education*. Empire State Service Providers. Corning, NY. 9 Nov. 2019. Conference Presentation. Δ

Shows/Exhibits/Installations: Kurz, Chris. *World Around You: Interactive Stories and Games*. By Stephen Jacobs, et al. 5 May 2019. RIT Imagine, Rochester. Exhibit. *

Peer Reviewed/Juried Poster Presentation: Kurz, Kim, Kellie Mullaney, and Corrine Occhino. "Constructed Action in ASL: A Look at Second Modality and Second Language Learners." *Proceedings of the World Association of Sign Language Interpreters*. Ed. WASLI. Paris, France: WASLI. *

Jason D Listman, Assistant Professor

Journal Paper: Listman, Jason D. and Kim C. Kurz. "Lived Experience: Deaf Professionals' Stories of Resilience and Risks." *Journal of Deaf Studies and Deaf Education*. (2019): XX. Print. *

Manuscripts Submitted for Publication: Mangelsdorf, Heather Harden, Jason D. Listman, and Anabel Maler. "Perception of Musicality and Emotion in Signed Songs." 1 Sep. 2019. TS - typescript (typed). *

Communication Studies and Services

Linda Gottermeier, Professor

Uninvited Presentations: Gottermeier, Linda and Bonnie Bastian. "App smack Down for the College Classroom." Educational Technology Day 2019. Ithaca College. Ithaca, NY. 21 Mar. 2019. Conference Presentation. ~

Uninvited Presentations: Gottermeier, Linda and Bonnie Bastian. "App Smack Down for the NTID Classroom." NTID Scholarship Symposium. NTID. Rochester, NY. 11 Dec. 2018. Conference Presentation. ~

Uninvited Presentations: Bastian, Bonnie, Linda Gottermeier, and James Mallory. "Engaging Students in your Technical Classroom using their Smart Phones." 2019 ASEE. ASEE. Buffalo, NY. 11 Apr. 2019. Conference Presentation. ~

Grants: Gottermeier, Linda (2019-2021). Impact of a Contralateral Hearing Aid on Content Acquisition in Students with Early-onset Deafness and Long-term afness and long-term Unilateral Cochlear Implant Use unilateral Cochlear Implant Use. Grant received/funded by SPD, RIT/NTID. ~

Grants: Stinson, Michael, et al (2017-2021). MITRE FCC Telecommunication Relay Services (TRS). Grant received/funded by FCC, FCC. ≠

Cultural and Creative Studies

Joseph Bochner, Professor

Grants: Bochner, Joseph, Vincent Samar, and R. Murthy (2019). Affordable and Scalable Technologies for Deaf and Hard-of-Hearing People. Grant proposal submitted to Rehabilitation Engineering Research Center, NIDILRR.

Peer Reviewed/Juried Poster Presentation: Bochner, Joseph, et al. "Categorical Perception in Cochlear Implant Users with Early-Onset Profound Deafness." Proceedings of the Association for Psychological Science, May 23-26, Washington, DC. Ed. None. Washington, DC: Association for Psychological Science. *

Patricia A Durr, Associate Professor

Shows/Exhibits/Installations: Durr, Patti. Nameless. Feb. 2019. Hear Me?, Philadelphia City Hall, Philadelphia, PA. Exhibit. *

Shows/Exhibits/Installations: Durr, Patti. For far too long... 21 Jun. 2019. De\`VIA Pop Up - Warhol Museum, Pittsburgh, PA. Exhibit. *

Shows/Exhibits/Installations: Durr, Curators: Tabitha Jacques and Patti. De\`VIA: The Manifesto Comes of Age. Nov. 2019. Memorial Art Gallery, Rochester, NY. Exhibit.

Shows/Exhibits/Installations: Jacques, Juror with Rhonda Voight-Campbell and Tabitha. Please Touch exhibit. Nov. 2019. Dyer Arts Center, Rochester, NY. Exhibit. £

Shows/Exhibits/Installations: Durr, Patti. I Know Why the Caged Bird..., Looking Glass Self, rEVOLution, Roots & Wings, Me as Becoming D, Untitled work,. Jul. 2019. Moving Hands: Expressions of Art and Deafness, Whittman Works Company, Rochester, NY. Exhibit. *

Luane Haggerty, Principal Lecturer

Shows/Exhibits/Installations: Director, Luane Davis Haggerty, Ph.D. -. Fences. By August Wilson. 11-14 Apr. 2019. Panara Theater, Rochester, NY. Performance. £

Featured Faculty

DR. NORDHAUS IS A THEORETICAL ASTROPHYSICIST WHO STUDIES THE PHYSICAL PROCESSES THAT OCCUR WHEN STARS DIE.

The death of a star is often a spectacular event - explosive, luminous and predated by dramatic changes in the internal structure. Near the end of a star's life, its physical radius increases beyond where the Earth orbits. Nearby planets, stars, and compact objects such as neutron stars and black holes will plunge into their parent star, releasing enough energy to tear it apart. This elusive, yet critical, phase of stellar evolution is refereed to as a common envelope. Common envelopes are the main pathway for creating close-binaries in the Universe and the progenitors of the binary black hole and neutron star systems that produce gravitational waves. In his studies of evolved stars, Dr. Nordhaus employs a variety of techniques ranging from pen-and-paper theory to some of the largest numerical simulations in the field.

As faculty at NTID, Dr. Nordhaus is passionate about increasing the participation of deaf and hard-of-hearing students in the physical sciences. Currently, it is more than two orders of magnitude lower than what general population statistics would predict. To provide pathways for future deaf scientists, Dr. Nordhaus routinely involves deaf/hoh students in research at both the undergraduate and graduate levels.

Jason Nordhaus,
Assistant Professor,
RIT National Technical Institute for the Deaf

PHOTO BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER

Hayashi Track

$$c_s \approx 10^7$$

$$c_s = 5 \times 10^7$$

$$c_s \approx 10^8 \quad \frac{3}{5} \left[-\frac{3}{2} \frac{d\theta}{d\tau} \right]_{-\frac{3}{2}}^{\frac{3}{2}}$$

$$-\int \frac{dx}{\sec^2 x} = -\int \cos^2 x dx$$

$$l = \frac{-2W^2}{2W} = -W$$

$$I_{NS, \omega} = \beta M_{acc} (G M_{NS} R_{NS})^{1/2}$$

$$s_b \quad \frac{E_{spin}}{E_{exp}} = \frac{\eta R_{NS}^3 \beta^2}{\eta^2 M}$$

$$= \left[\frac{\beta^2 M}{\eta^3 M} \right]$$

$$E_{NS, spin} = \frac{1}{2} I_{NS} \omega^2$$

$$\frac{\eta M_{NS} R_{NS}^2 \omega^2}{G M_{NS} M_{acc}} = \frac{\eta M_{NS} R_{NS}^2 R_{NS} \omega^2}{G M_{NS} M_{acc}}$$
$$= \frac{\eta R_{NS}^3 \omega^2}{G M_{acc}}$$



Shows/Exhibits/Installations: Director, Luane Davis Haggerty, Ph.D. -. "Fill Up The Jails" King Speech Performance. By Dr. Martin Luther King, et al. 28 Feb. 2019. RIT MAGIC Studios, Rochester, NY. Performance.

Shows/Exhibits/Installations: Director, Luane Davis Haggerty, Ph.D. -. Dangerous Signs. By Langston Hughes. 7 Mar. 2019. Gordon Field House, Rochester, NY. Performance. Δ

Published Conference Proceedings: Ph.D., Luane Davis Haggerty,. "Adjusting the Margins." Proceedings of the rameless Symposium. Ed. Elizabeth Simms. Rochester, NY: Frameless Labs, Web. Δ

Shows/Exhibits/Installations: Teacher, Luane Davis Haggerty, Ph.D. - Director,. Performative Communication. Jul. 2019. Interborough Repertory Theater (IRT), New York. Performance. Δ

Invited Article/Publication: Ph.D., Luane Davis Haggerty,. "To Dream the Possible Dream." Linked In. (2019). Web. Δ

Shows/Exhibits/Installations: Director, Luane Davis Haggerty, Ph.D. -. Man of La Mancha. By Mitch Leigh, Joe Darion, and Dale Wasserman. 26-31 May 2019. Multi-Use Cultural Community Center (MuCCC), Rochester, NY. Performance.

Deirdre Schlehofer, Associate Professor

Peer Reviewed/Juried Poster Presentation: Cuculick, Jessica, et al. "Deaf Sign Language Users and Family Health History: Is there sufficient information beng shared among deaf family members?" Proceedings of the July 2019 World Federation of the Deaf. Ed. n/a. Paris, France: n.p.. £

Peer Reviewed/Juried Poster Presentation: Schlehofer, Deirdre, et al. "Women, Deaf Culture & Health Literacy: Examining the Gap between Deaf & Hearing College Students." Proceedings of the July 2019 Paris France. Ed. n/a. Paris, France: n.p.. £

Grants: Schlehofer, Deirdre A, Jane Bempong, and Darian Slattery (2018-2019). Undocumented Voices of Deaf Women Leaders: A Historical Analysis. Grant received/funded by Advance RIT/Connect Grant, NSF.

Information and Computing Studies

Karen Beiter, Associate Professor

Journal Paper: Beiter, Karen J., et al. "What About Me? Theorizing Power and Pushback in Advancing Marginalized Identities." Journal of Cultural Analysis and Social Change 4. 1 (2019): 1-13. Web. £

Journal Paper: Beiter, Karen J., et al. "What About Me? Theorizing Power and Pushback in Advancing Marginalized Identities." Journal of Cultural Analysis and Social Change 4. 1 (2019): 1-13. Web. £

Donna Lange, Associate Professor

Grants: Lange, Donna A and Denise Kevin (2018-2020). Collaborative Research: Opening the Pathway to Technician Careers: A Conference for Biology Teachers of Deaf Students. Grant proposal submitted to Advanced Technological Education, National Science Foundation. ≠

Uninvited Presentations: Lange, Donna and Brittany Comegna. "Improving Access to STEM Education and Employment for Deaf and Hard-of-Hearing Students – An Update on DeafTEC Resources." California Educators of the Deaf Conference. California Educators of the Deaf. Riverside, CA. 6 Apr. 2019. Conference Presentation. ~

Uninvited Presentations: Lange, Donna, Hira Pauliin, and Mike Sauter. "Best Practices for Teaching Student Veterans." HI-TEC. High Impact Technology Exchange Conference. St Louis, MO. 24 Jul. 2019. Conference Presentation. ~

Uninvited Presentations: Lange, Donna, et al. "Top Ten Things Student Veterans Would like Faculty to Know." California Community College Veterans Summit. Foundation for California Community Colleges. Monterey, CA. 21 Mar. 2019. Conference Presentation. ~

James Mallory, Professor

Published Conference Proceedings: Mallory, James R. and Edmund S. Lucas. "How IoT and Raspberry Pi Technology Can Enhance Students' Learning Opportunities in Technology." Proceedings of the 2019 ASEE Zone 1 Conference <http://engineering.buffalo.edu/home/news/events/asee-conference.html>. Ed. American Society for Engineering Education. Buffalo, NY: ASEE, 2019. Web. *

Brian Trager, Associate Professor

Published Game, Application or Software: Trager, Brian, Wendy Dannels, and Aaron Wade Parker. "MAG: De'VIA." Phone or Smart Device App. Center on Access Technology. 2019.

Liberal Studies

Stephen F Aldersley, Professor

Invited Article/Publication: Aldersley, Stephen. "\"A New Hire (Part One).\"." The Department Chair. (2019). Print. Δ

Invited Article/Publication: Aldersley, Stephen. "Episodes in the Life of a Chair: A New Hire (Part 2)." The Department Chair. (2019). Print. Δ

Invited Paper: Aldersley, Stephen. "Episodes in the Life of a Chair; One of Those Days." The Department Chair. (2019). Print. Δ

Published Review: Aldersley, Stephen. "Budgets & Financial Management in Higher Education". Rev. of "Budgets & Financial Management in Higher Education", by Wiley. The Department Chair Jul. 2017: 29-30. Print. Δ

Janine M Butler, Assistant Professor

Uninvited Presentations: Butler, Janine. "Teaching Writing Through Kinesthetic Performance." Conference on College Composition and Communication. Conference on College Composition and Communication. Pittsburgh, PA. 14 Mar. 2019. Conference Presentation. *

Uninvited Presentations: Butler, Janine. "Access Technologies and Ethics." Computers & Writing. Computers & Writing. East Lansing, MI. 22 Jun. 2019. Conference Presentation. *

Journal Paper: Butler, Janine. "Perspectives of Deaf and Hard-of-Hearing Viewers of Captions." American Annals of the Deaf 163. 5 (2019): 534-553. Print. *

Jessica Cuculick, Associate Professor

Journal Paper: McKee, M. M., et al. "Deaf Adults' Health Literacy and Access to Health Information: Protocol for a Multicenter Mixed Methods Study." Journal of Medical International Research 8. 10 (2019): 0-0. Web. *

Manuscripts Submitted for Publication: Lynn, M., et al. "Diversifying Science: Mentoring and Supporting Deaf and Hard-of-Hearing Scholars. Mentoring & Tutoring: Partnership in Learning." 1 Sep. 2018. TS - typescript (typed). *

Uninvited Presentations: Cuculick, Jess and Kara Farquaharson. "Preparing Students for a STEAMy future: Rochester Bridges to the Doctorate." Southeast Regional Institute on Deafness (SERID). Southeast Regional Institute on Deafness (SERID). Huntsville, AL. 13 Oct. 2019. Conference Presentation. £

Uninvited Presentations: McKee, Michael, et al. "Online Health Information: Reachable Yet Inaccessible for Deaf Individuals." International Conference on Communication in Health Care. Academy of Communication in Healthcare. San Diego, CA. 28 Oct. 2019. Conference Presentation. £

Uninvited Presentations: Cuculick, Jess, et al. "Pregnancy Outcomes of Deaf and Hard-of-Hearing Women." XVIII World Congress of the World Federation of the Deaf. World Federation of the Deaf. Paris, France. 0 Jun. 2019. Poster Session. £

Uninvited Presentations: Cuculick, Jess, et al. "Deaf Sign Language Users and Family Health History: Is There Sufficient Information Being Shared Among Deaf Family Members?" XVIII World Congress of the World Federation of the Deaf. World Federation of the Deaf. Paris, France. 0 Jun. 2019. Poster Session. £

Uninvited Presentations: Cuculick, Jess and Michael McKee. "Accessing Health Information and Health Care: An Update on Deaf and Hard of Hearing's Struggle to Overcome Health Inequities." XVIII World Congress of the World Federation of the Deaf. World Federation of the Deaf. Paris, France. 0 Jun. 2019. Poster Session. £

Matthew W Dye, Assistant Professor

Grants: Dye, Matthew (2019-2019). REU Supplement: Collaborative Research: Multimethod Investigation of Articulatory and Perceptual Constraints on Natural Language Evolution. Grant proposal submitted to Federal, National Science Foundation.

Manuscripts Submitted for Publication: Rodger, Helen, et al. "The Recognition of Facial Expressions of Emotion in Deaf and Hearing Individuals." 2019. TS - typescript (typed). *

Journal Paper: Stoll, Chloe, et al. "Quantifying Facial Expression Intensity and Signal Use in Deaf Signers." *Journal of Deaf Studies and Deaf Education* 24. 4 (2019): 346-355. Print. «

Journal Paper: Stoll, Chloe and Matthew Dye. "Sign Language Experience Redistributes Attentional Resources to the Inferior Visual Field." *Cognition*. (2019): 0. Print. «

Book Chapter: Morgan, Gary and Matthew Dye. "Executive Functions and Access to Language: The Importance of Inter-subjectivity." *The Oxford Handbook of Deaf Studies in Learning and Cognition*. Ed. Marc Marschark and Harry Knoors. New York, NY: Oxford University Press, 2019. 0. Print. Δ

Book Chapter: Dye, Matthew and Robin Thompson. "The Perception and Production of Language in the Visual Modality." *Trends in Language Acquisition Research: Essays in Honour of Bencie Woll*. Ed. Gary Morgan. New York, NY: John Benjamins, 2019. 0. Print. Δ

Uninvited Presentations: Dye, Matthew. "Spatial and Temporal Vision in the Absence of Audition." Vision Sciences Society Annual Meeting. Vision Sciences Society. St Pete Beach, FL. 18 May 2019. Conference Presentation. *

Uninvited Presentations: Dye, Matthew and Kim Kurz. "Sign Language Avatars Activate Phonological and Semantic Representations: Evidence from Working Memory and Priming Paradigms." *Theoretical Issues in Sign Language Research*. Sign Linguistics Society. Hamburg, Germany. 26 Sep. 2019. Conference Presentation. «

Uninvited Presentations: Dye, Matthew, et al. "Perceptual Optimization of American Sign Language: Evidence from a Lexical Corpus." *Theoretical Issues in Sign Language Research*. Sign Linguistics Society. Hamburg, Germany. 27 Sep. 2019. Poster Session. «

Invited Keynote/Presentation: Dye, Matthew. "Hearing Loss versus Deaf Gain: Biological and Cultural Perspectives on Neuroplasticity." *International Conference on Hearing Loss*. Western University. Niagara-on-the-Lake, ON. 7 May 2019. Conference Presentation. Δ

Uninvited Presentations: Kimbley, Sarah, et al. "Social Factors Predicting Disparities in English Literacy Outcomes in Deaf Children." *Society for Research on Child Development Biennial Meeting*. SRCD. Baltimore, MD. 15 Mar. 2019. Poster Session. *

Grants: Dye, Matthew and Joseph Hill (2020-2022). IRES Track II: Translanguaging Science: Enhancing Literacy Research Through Enhanced Assessment of Proficiency and Processing. Grant proposal submitted to 19-585 - International Research Experience for Students: Track II, National Science Foundation.

Grants: Doolittle, Richard and Matthew Dye (2019-2020). Rochester Partnership to Advance Research and Academic Careers in Deaf Scholars. Grant proposal submitted to Federal (pass through), National Institutes for Health.

Grants: Dye, Matthew (2019-2024). Acquiring Language Under Adverse Listening Conditions: The Role of Sequential Learning. Grant proposal submitted to PA-19-056 - NIH Research Project Grant (R01), National Institutes for Health.

Pamela Kincheloe, Associate Professor

Manuscripts Submitted for Publication: Kincheloe, Pamela. "Hollywood Signs Representations of Deaf People in Entertainment 1986-2018." 16 Dec. 2019. TS - typescript (typed). *

Journal Paper: Kincheloe, Pamela J. "'The Shape of Air: ASL as Narrative Prosthesis in North American Visual Media'." *M/C Journal* 22. 5 (2019): 0. Web. *

Invited Paper: Kincheloe, Pamela. "'Is the Deaf Starbucks just Venti-Sized Othering?'" *Deaf Life*. (2019). Print. Δ

Book Chapter: Kincheloe, Pamela J. "'Do Androids Dream of Electric Speech?': The Construction of Cochlear Implant Identity on American Television and the 'New Deaf Cyborg.'" *Loud Silence*. London, UK: headymix.co.uk, 2019. 0-0. Web. Δ

Published Review: Kincheloe, Pamela J. "Review of The OnFire Curriculum: A Hyper-linked, Question-Centered Rhetoric/Reader." *Rev. of The Onfire Curriculum* by, ed. Leonard Rosen, Knowsenti. *Rhetorical Reader* 0 Dec. 2019: 0. Print. Δ

Shows/Exhibits/Installations: Kincheloe, Pamela J. "King Orange," "Lady Lazarus at the Window," "My parents on the sidewalk," etc. 0 Aug. 2019. Nine Mile Art and Literary Magazine., 0. Exhibit. *

Vincent J Samar, Professor

Invited Keynote/Presentation: Samar, Vincent J, et al. "Rochester Institute of Technology RISE Scientists-In-Training Program for Deaf and Hard-of-Hearing Undergraduates." 2019 TWD Program Directors\ Meeting. National Institute of General Medical Sciences. Bethesda, MD. 1 Aug. 2019. Conference Presentation. Δ

Invited Keynote/Presentation: Bochner, Joseph, et al. "Categorical Perception in Cochlear Implant Users with Early-Onset Profound Deafness." 2019 Association for Psychological Science Convention. Association for Psychological Science. Washington, DC. 25 May 2019. Conference Presentation. ~

Kathryn Schmitz, Associate Professor

Journal Editor: Schmitz, Kathryn L., ed. *The Volta Review*. Washington, DC: Alexander Graham Bell Association for the Deaf, 2019. Web. «

Master of Science in Secondary Education

Christopher Kurz, Professor

Peer Reviewed/Juried Poster Presentation: Aume, Georgine, Kyle Duarte, and Chris Kurz. "All Children Reading: A Grand Challenge - Sign On For Literacy." *Proceedings of the World Federation of the Def Conference*. Ed. nona. Paris, FR: n.p.. *

Uninvited Presentations: Eickman, Jordan and Chris Kurz. "Reaching the Top of the Mountain: Navigating the Tenure-track Process as Deaf Faculty Member." *Deaf Academics Conference* 2019. Deaf Academics. Reykjavik, IC. 11 May 2019. Conference Presentation. * «

Grants: Kurz, Chris, et al (2019). Languages of Interactive Flexible Technology: World Around You (LIFT-WAY) Phase II. Grant received/funded by Sign On For Literacy, All Children Reading: A Grand Challenge. *

Manuscripts Submitted for Publication: Kurz, Chris, Jeanne Reis, and Barbara Spiecker. "Ideologies and Attitudes Toward American Sign Language: Academic Language and Academic Vocabulary Coinage Process." 12 Jun. 2019. TS - typescript (typed). «

Published Game, Application or Software: Kurz, Chris, et al. World Around You. Software. NTID. 2019. ≠

Invited Keynote/Presentation: Kurz, Chris. "Don't Talk Nonsense! STEM isn't Hard, it is a Language and Requires the use of Senses." National Deaf Education Conference. National Association of the Deaf. Austin, TX. 20 Jun. 2019. Keynote Speech. Δ

Uninvited Presentations: Kurz, Chris, et al. "Promoting Language Rights Through app Development in Nicaragua." World Federation of the Deaf Conference. World Federation of the Deaf. Paris, FR. 26 Jul. 2019. Conference Presentation. * «

Uninvited Presentations: Graham, Patrick and Chris Kurz. "Bilingual and Bicultural Teacher Training Programs: Ensuring Quality Education for all Deaf Children." World Federation of the Deaf Conference. World Federation of the Deaf. Paris, FR. 25 Jul. 2019. Conference Presentation. *

Peer Reviewed/Juried Poster Presentation: Torre, Techie C. Dela, et al. "Promoting Filipino Deaf's Language Right in First Bilingual School for Deaf Secondary Students in the Philippines: Case Study Findings and Lessons Learned." Proceedings of the World Federation of the Deaf Conference. Ed. none. Paris, FR: n.p.. * «

Uninvited Presentations: Graham, Patrick and Chris Kurz. "Señas de Sentido, Nicaraguan Sign Language App for Deaf Children and Families." 2019 Comparative and International Education Society Conference. Comparative and International Education Society. San Francisco, CA. 22 Apr. 2019. Conference Presentation. *

Sara Schley, Professor

Journal Paper: Marchetti, Carol, et al. "Faculty Perspectives on Developing Strategies to Improve Access in Diverse Post-Secondary Classrooms." Learning Communities Journal. (2019): 32. Print. *

Journal Paper: Cawthon, Stephanie, Sara Schley, and S. Davidson. "Student Observation to Improve Access to Instruction in Postsecondary Education." Journal of Postsecondary Education and Disabilities. 107. (2019): 36. Print. *

Journal Paper: Schley, Sara and Jessica Trussell. "A Functional Approach to Classroom Needs for Deaf Students with Additional Disabilities." Odyssey: New Directions in Deaf Education.. (2019): 76-80. Print. *

Manuscripts Submitted for Publication: Marchetti, Carol, Sara Schley, and Denise Kavin. "Pathways of Deaf and Hard of Hearing Women Faculty to Careers in Higher Education." 19 Apr. 2019. TS - typescript (typed). *

Invited Article/Publication: Schley, Sara. "Easy to Implement Strategies for Disabilities in the College Classroom." Faculty Focus. (2019). Web. Δ

Journal Paper: Schley, Sara, et al. "What About Me? Theorizing Power and Pushback in ADVANCING Marginalized Identities." Journal of Cultural Analysis and Social Change. 4. 1 (2019): 1-13. Print. *

Manuscripts Submitted for Publication: Cawthon, Stephanie, Sara Schley, and Yasmine Jassal. "Student Observations of Postsecondary Classroom Instruction." 7 Jul. 2019. TS - typescript (typed). *

Published Review: Schley, Sara. "Book Review." Rev. of *Shifting the Dialogue, Shifting the Culture: Pathways to Successful Postsecondary Outcomes for Deaf Individuals*, by Stephanie Cawthon and Carrie Lou Garberoglio. *Journal of Deaf Studies and Deaf Education* 29 Mar. 2019: 318-318. Web. Δ

Invited Keynote/Presentation: Schley, Sara and Carol Marchetti. "Engaging Students in Faculty Development: Access and Inclusion Strategies." POD Network Annual Conference. POD Network. Pittsburgh, PA. 15 Nov. 2019. Conference Presentation. *

Peer Reviewed/Juried Poster Presentation: Bowler, Dean and Sara Schley. "Faculty Strategies on Improving Access and Inclusion in Postsecondary Classrooms." *Proceedings of the Undergraduate Research Symposium, RIT*. Ed. n.a. Rochester, NY: n.p.. *

Invited Keynote/Presentation: Schley, Sara, et al. "Engaging Students in Faculty Development: Strategies to Increase Access and Inclusion." *Diversity, Equity and Student Success Conference*. American Association of Colleges and Universities. Pittsburgh, PA. 29 Mar. 2019. Conference Presentation. *

Michael E Skyer, Senior Lecturer

Journal Paper: Skyer, Michael E. "Bodies in Dependence: A Foucauldian Genealogy of the Americans with Disabilities Acts." *Disability Studies Quarterly* 39. 3 (2019): 1-33. Web. *

Manuscripts Submitted for Publication: Skyer, Michael E. and Laura Cochell. "'Aesthetics, Culture, Power: Critical Deaf Pedagogy and the Use of ASL vlogs as Resistance to Audism in Deaf Education Research'." 1 May 2018. TS - typescript (typed). *

Internal Reports/Manuscripts/Articles: Skyer, Michael E. "Promise and Problems in MSSE, NTID's Deaf Education Teacher-Preparation Program: Findings from a Survey on Graduate Students' Perceptions and Experiences, 2009-2019." [Gerald Bateman]. Rochester: Master of Science in Secondary Education for Students who are Deaf or Hard of Hearing, 10 Jun. 2019. Print. Δ

Published Review: Skyer, Michael E. "Injustice in the Absence of Language." Rev. of Glickman, N. S. and; Hall, W. C. (2019). *Language Deprivation and Deaf Mental Health*. New York, NY: Routledge. Softcover. 291 pages. \$39.95, ed. Sandy Bowen. *Journal of Deaf Studies and Deaf Education* 6 Aug. 2019: 1. Web. Δ

Uninvited Presentations: Skyer, Michael E. "Oh No! Oh Know! Early-Career Deaf Educators Negotiating Knowledge and; Experience in Student-Teaching Mentorships Panel Discussion." *Partners in Deaf Education (PDE)*. BOCES. Corning, NY. 9 Nov. 2019. Conference Presentation. £

Peer Reviewed/Juried Poster Presentation: Skyer, Michael E. "Confronting Dissensus in Deaf Education Research: Conflicts in Theory and Practice." *Proceedings of the Second Biennial Deaf-Engaged Academic Forum (DEAF-ROC)*. Ed. Stephanie Fingler. Rochester, NY: University of Rochester. £

Uninvited Presentations: Skyer, Michael E. "Dissensus in Deaf Research Scaffolding the Conflicts of Theory and Practice." *Association of College Educators – Deaf and Hard of Hearing (ACEDHH) Conference*. ACE DHH. Chicago, IL. 8 Feb. 2019. Conference Presentation. *

Manuscripts Submitted for Publication: Skyer, Michael E. "Being and Deafness: The Ontology of Disablement and the Dialectics of Hearing Loss and Deaf Gain." 20 Jun. 2018. TS - typescript (typed). *

Uninvited Presentations: Skyer, Michael E. "Deaf Gains in Education." Education and; Support Services Personnel (ESSP) 32nd Annual Conference. BOCES. Rome, NY. 3 Nov. 2018. Conference Presentation. *

Manuscripts Submitted for Publication: Skyer, Michael E. "Deaf Prosthesisology: Analyzing Function and Form." 25 Mar. 2019. TS - typescript (typed). «

Invited Paper: Skyer, Michael E. "The Bright Triad and Five Propositions: Toward a Vygotskian Framework for Deaf Pedagogy and Research." American Annals of the Deaf. (2020). Print. Δ

Uninvited Presentations: Skyer, Michael E. "Multimodality in the Digital Environments of Deaf Education (DE2)." International Committee for the History of Technology (ICOHTEC). University of Silesia, Katowice (Śląsk) Poland. Katowice, PL. 23 Jul. 2019. Conference Presentation. *

Michael Stinson, Research Associate Professor

Book Chapter: Stinson, Michael S. and Magda Nikolaraizi. "Assisting People who are Deaf or Hard of Hearing Through Technology." "Encyclopedia of Education and Information Technologies." Ed. Arthur Tatnall. New York, New York: Springer, 2020. 00-01. Print. ~

Journal Paper: Stinson, Michael, et al. "Knowledge Building and Problem Solving When Teammates Have Diverse Hearing Status." Small Group Research. (2020): 00-01. Print. *

Published Conference Proceedings: Stinson, Michael, et al. "Enriched Communication and Messaging in Teams with Deaf, Hard of Hearing and Hearing Postsecondary Students." Proceedings of the American Educational Research Association annual meeting. Ed. S. Croft and M. Purdy. Washington, D.C., District of Columbia: American Educational Research Association, 2020. Web. *

Jessica W Trussell, Assistant Professor

Manuscripts Submitted for Publication: Trussell, Jessica W. "Learning Social Studies Vocabulary via Morphological Instruction in the Itinerant Model." 19 Sep. 2019. TS - typescript (typed). «

Book Chapter: Cannon, Joanna E. and Jessica W. Trussell. "Connections, Research, and Recommendations for the Importance of Morphosyntax in Literacy Acquisition across Languages for Learners who are d/Deaf or Hard of Hearing." "The Oxford Handbook on Literacy for Children who are Deaf or Hard of Hearing." New York, NY: Oxford University Press, 2020. O. Print. ~

Journal Paper: Schley, Sara and Jessica W. Trussell. "Deaf Students with Disabilities: A Functional Approach for Parents and Teachers." ODYSSEY. (2019): 76-80. Print. ~

Invited Keynote/Presentation: Trussell, Jessica W. and Camille Ouellette. "Reading to learn in STEM: Strategies for reading and conceptually accurate signing." California Educators of the Deaf and Hard of Hearing conference. Cal Ed. Riverside, CA. 6 Apr. 2019. Conference Presentation. ~

Office of the Associate Dean of Research

Lisa Elliot, Research Associate Professor

Manuscripts Submitted for Publication: Stinson, Michael, et al. "Knowledge Building and Problem Solving in Teams with Hearing, Deaf, and Hard-of-Hearing Postsecondary Students." 2019. TS - typescript (typed). *

Manuscripts Submitted for Publication: Elliot, Lisa B., et al. "Supporting Autonomous Learning Skills in Developmental Mathematics Courses with Asynchronous Online Resources." 2019. TS - typescript (typed). Δ

Invited Keynote/Presentation: Elliot, Lisa B. "Culturally Responsive Communities of Practice: Deaf STEM Community Alliance & the Deaf and Hard of Hearing Virtual Academic Community (DHHVAC)." AAAS Annual Meeting. AAAS. Washington, District of Columbia. 17 Feb. 2019. Conference Presentation. *

Grants: Heunerfauth, Matt and Lisa B Elliot (2020-2023). CHS: Medium: Critical Factors for Automatic Speech Recognition in Supporting Small Group Communication Between People who are Deaf or Hard of Hearing and Hearing Colleagues. Grant proposal submitted to Information & Intelligent Systems - Cyber-Human Systems (CHS), NSF. ≠

Grants: Stinson, Michael, et al (2019-2022). Facilitating Knowledge Building in Teams that Include College Students who are Underrepresented in STEM. Grant proposal submitted to EHR Core, NSF. ≠

Peer Reviewed/Juried Poster Presentation: Elliot, Lisa and Lou Woodley. "DCL: NSF INCLUDES EAGER: A Study of Online Scientific Communities for Broadening Participation in STEM NSF HRD-1834978." Proceedings of the NSF INCLUDES Convening. Ed. Unknown. Alexandria, VA: n.p.. ≠

Peter Hauser, Professor

Invited Keynote/Presentation: Hauser, Peter C. "Prevalence of Audism in the United States." Audism Conference. College International de Philosophie, Centre Alexandre-Koyré. Paris, France. 9 Jul. 2019. Conference Presentation. Δ

Journal Paper: McKee, Michael, et al. "Deaf Adults' Health Literacy and Access to Health Information: Protocol for a Multicenter Mixed Methods Study." Journal of Medical International Research 8. 10 (2019): 0-0. Web. *

Uninvited Presentations: Cuculick, Jess, et al. "Specific Health Literacy Skills of Deaf and Hearing College Students: The Role of Accessing Indirect Health Information Based on Deaf Individuals from Deaf and Hearing Families." HARC. Health Literacy Annual Research Conference. Bethesda, MD. 22 Oct. 2018. Conference Presentation. * £

Robert Pollard, Professor

Invited Keynote/Presentation: Dean, Robyn K. and Robert Q Pollard Jr. "Mental Health Interpreting: Clinical Information and Work Strategies for a Practice Profession." Mental Health Interpreter Training. Alabama Department of Mental Health. Montgomery, AL. 7 Aug. 2019. Guest Lecture.

Invited Keynote/Presentation: Jr., Robert Q Pollard. "Forensics and the Deaf Population: Challenges and Strategies for Interpreters and Clinicians." Mental Health Interpreter Training. Alabama Department of Mental Health. Montgomery, AL. 5 Aug. 2019. Guest Lecture.

Invited Keynote/Presentation: Jr., Robert Q Pollard. "Deaf-hearing Relations: "Getting it" and Avoiding Conflicts." ASL Class. University of Rochester. Rochester, NY. 24 Sep. 2019. Guest Lecture.

Invited Keynote/Presentation: Jr., Robert Q Pollard. "Psychiatry and Deaf people: Fundamentals and Current Issues." Grand Rounds, Department of Psychiatry. University of Rochester. Rochester, NY. 18 Sep. 2019. Guest Lecture.

Invited Keynote/Presentation: Jr., Robert Q Pollard. "Mental Health Interpreting: A Mentored Curriculum: Train-the-trainer Workshop." Best Self Behavioral Health Continuing Education Program. Best Self Behavioral Health. Buffalo, NY. 16 May 2019. Guest Lecture.

Journal Paper: Dean, Robyn K. and Robert Q Pollard Jr. "Raciocínio ético Baseado no Contexto da Interpretação: Uma Perspectiva do Esquema de Controle de Demanda." Belas Infiéis Journal of the University of Brasilia. (2020): 0. Print. Δ

Book Chapter: Fox, Meghan L. and Robert Q Pollard Jr. "Interpreting and the Mental Status Exam." "Handbook of Research on Medical Interpreting." Hershey, PA: IGI Global, 2020. 0. Print. Δ

Invited Keynote/Presentation: Jr., Robert Q Pollard. "A Psychologist's Journey in Academia." Continuing Education, Department of Psychiatry, University of Rochester Medical Center. University of Rochester. Rochester, NY. 7 May 2019. Guest Lecture.

Invited Keynote/Presentation: Jr., Robert Q Pollard. "'Deaf culture' What is it? Why is it? And why should it matter to me?" Continuing Education, Department of Psychiatry, University of Rochester Medical Center. University of Rochester. Rochester, NY. 17 Apr. 2019. Guest Lecture.

Invited Keynote/Presentation: Dean, Robyn K. and Robert Q Pollard Jr. "Interpreting in mental health settings: Interdisciplinary dialogue." Best Self Behavioral Health Continuing Education Program. Best Self Behavioral Health. Buffalo, NY. 27 Feb. 2019. Guest Lecture.

Invited Keynote/Presentation: Dean, Robyn K. and Robert Q Pollard Jr. "Interpreting in Mental Health Settings: Interdisciplinary Dialogue." Best Self Behavioral Health Continuing Education Program. Best Self Behavioral Health. Buffalo, NY. 28 Feb. 2019. Guest Lecture.

Book Chapter: Listman, Jason D. and Robert Q Pollard Jr. "Deaf Culture." The SAGE Encyclopedia of Human Communication Sciences and Disorders. Thousand Oaks, CA: SAGE Publications, Inc., 2019. 545-548. Print. ~

Uninvited Presentations: Dean, Robyn K., et al. "Risky Business: Cortisol Dysregulation in Signed Language Interpreters." Let's have a fika - culture in a cup. European Union of Sign Language Interpreters. Malmo, Sweden. 8 Sep. 2019. Conference Presentation. *

Uninvited Presentations: Dean, Robyn K., et al. "Risky Business: Cortisol Dysregulation in Signed Language Interpreters." Interpreting in the Age of AI. Critical Link. Tokyo, Japan. 15 Jun. 2019. Conference Presentation. *

Uninvited Presentations: Dean, Robyn K., et al. "Risky Business: Cortisol Dysregulation in Signed Language Interpreters." Translation, Interpretation, and Localization: Mitigating Risks in a Rapidly Changing World. Middlebury Institute of International Studies. Monterey, CA. 5 May 2019. Conference Presentation. *

Peer Reviewed/Juried Poster Presentation: Hall, Wyatte, et al. "Investigating Key Biopsychosocial Factors that Mediate Lifespan Management of Prelingual Deafness: A Phase One Report." Proceedings of the American Public Health Association Annual Meeting, November, 2018, San Diego, CA. Ed. Wyatte Hall. San Diego, CA: n.p.. *

Office of the President

Marc Marschark, Professor

Full Length Book: Marschark, Marc and Harry Knoors. "The Oxford Handbook of Deaf Studies in Learning and Cognition." New York, New York: Oxford University Press, 2020. Print.

Journal Paper: Crowe, Kathryn and Marc Marschark. "Are French Fries a Vegetable? Lexical Typicality Judgment Differences in Deaf and Hearing Learners." Journal of psycholinguistic research. (2020): TBD. Print. *

Book Chapter: Marschark, Marc and Mark Rosica. "Reading Abilities of Deaf College Students: Has Elvis Already Left the Building?" "the Oxford handbook of deaf studies in literacy." Ed. Susan Easterbrooks and Hannah Dostal. New York, New York: Oxford University Press, 2020. TBD. Print. ~

Journal Paper: Duchesne, Louise and Marc Marschark. "Effects of Age of Cochlear Implantation on Vocabulary and Grammar: A Review of the Evidence." *American Journal of speech language pathology* TBD. (2020): TBD. Print. «

Book Chapter: Knoors, Harry and Marc Marschark. "Accommodating Deaf and Hard-of-hearing Children with Cognitive Deficits." *"The Oxford Handbook of Deaf Studies in Learning and Cognition."* Ed. Marc Marschark and Harry Knoors. New York, New York: Oxford University Press, 2020. TBD. Print. ~

Book Chapter: Nikolarazi, Magda, Charikleia Kanari, and Marc Marschark. "Tickets for the Inclusive Museum: Accessible Opportunities for Non-formal Learning by Deaf and Hard-of-hearing Individuals." *"The Oxford Handbook of Deaf Studies in Learning and Cognition."* Ed. Marc Marschark and Harry Knoors. New York, New York: Oxford University Press, 2020. TBD. Print. ~

Journal Paper: Dammeyer, Jesper, et al. "Work and Employment Characteristics of Deaf and Hard-of-hearing Adults." *Journal of deaf studies and deaf education* 24. (2019): 386-395. Print. «

Journal Paper: Crowe, Kathryn, Marc Marschark, and Sharynne McLeod. "Measuring Intelligibility in Signed Languages." *Clinical linguistics and phonetics* 33. (2019): 996-1008. Print. «

Journal Paper: Marschark, Marc, et al. "Cochlear Implants and Classroom Learning Among Deaf College Students." *Biomedical Journal of scientific and technical research* 18. (2019): 13912-13916. Web. «

Journal Paper: Marschark, Marc, Louise Duchesne, and David Pisoni. "Effects of Age of Cochlear Implantation on Learning and Cognition: A Critical Assessment." *American Journal of speech language pathology* 20. (2019): 1318-1333. Print. «

Journal Paper: Marschark, Marc, et al. "Understanding Theory of Mind in Deaf and Hearing College Students." *Journal of deaf studies and deaf education* 24. (2019): 104-118. Print. «

Book Chapter: Marschark, Marc, Harry Knoors, and Shirin Antia. "Visions of Co-enrollment in Deaf Education." *Co-enrollment in deaf education.* Ed. Marc Marschark, Shirin Antia, and Harry Knoors. New York, New York: Oxford University Press, 2019. 325-347. Print. ~

Journal Paper: Dammeyer, Jesper, et al. "Childhood Hearing Loss: Impact on Parents and Family Life." *International Journal of Pediatric Otorhinolaryngology* 120. (2019): 140-145. Print. «

Book Chapter: Brons, Maria, Harry Knoors, and Marc Marschark. "Deaf Education Beyond the Western World: Knowledge Exchange, Good Practices, and Challenges." *Deaf education beyond the Western world.* New York, New York: Oxford University Press, 2019. 399-412. Print. ~

Corrine M Occhino, Research Assistant Professor

Journal Paper: Kurz, Kim B., Kellie Mullaney, and Corrine Occhino. "Constructed Action in American Sign Language: A Look at Second Language Learners in a Second Modality." *Language* 4. 4 (2019): 90. Web. *

Journal Paper: Morford, Jill P., et al. "What is the Source of Bilingual Cross-Language Activation in Deaf Bilinguals?" *Journal of Deaf Studies and Deaf Education* 24. 4 (2019): 356-365. Web. «

Mark J Rosica, Associate Professor

Book Chapter: Marschark, Marc and Mark Rosica. "Reading Abilities of Deaf College Students: Has Elvis Already Left the Building?" *"The Oxford Handbook of Deaf Studies in Literacy."* Ed. Susan Easterbrooks and Hannah Dostal. New York, NY: Oxford University Press, 2020. TBD. Print. Δ ~

Journal Paper: Dammeyer, Jesper, et al. "Work and Employment Characteristics of Deaf and Hard-of-hearing Adults." *Journal of deaf studies and deaf education* 24. (2019): 386-395. Print. «

Brian Trager, Associate Professor

Published Conference Proceedings: Butler, Janine, Brian Trager, and Byron Behm. "Exploration of Automatic Speech Recognition for Deaf and Hard of Hearing Students in Higher Education Classes." *Proceedings of the ASSETS '19 The 21st International ACM SIGACCESS Conference on Computers and Accessibility*. Ed. Jeffrey P. Bigham. Pittsburgh, PA: ACM, 2019. Web. «

Science and Mathematics

Austin Gehret, Associate Professor

Peer Reviewed/Juried Poster Presentation: Gehret, Austin U. "Making Experiential Education in the Lab Accessible: Reflections of Deaf or Hard-of-Hearing Students and Lab Advisors." *Proceedings of the Experimental Biology 2019* (Orlando, FL; April 6-9, 2019). Ed. Thoru Pederson, PhD. Rockville, MD: The FASEB Journal, Supplemental Issue (Vol. 33, No. 1).

Bonnie Jacob, Assistant Professor

Uninvited Presentations: Jacob, Bonnie. "Failed Power Domination: Complexity and Other Select Results." *Joint Mathematics Meetings*. American Mathematical Society and Mathematics Association of America. Baltimore, MD. 18 Jan. 2019. Conference Presentation. *

Grants: Jacob, Bonnie (2017-2021). REU Site: Summer Undergraduate Research for Students who are Deaf or Hard-of-Hearing in Applying Mathematical and Statistical Methods to Problems from the Sciences (REU at NTID). Grant received/funded by National Science Foundation Division of Mathematical Sciences, National Science Foundation. ≠

Peer Reviewed/Juried Poster Presentation:

Adams, Alyssa and Bonnie Jacob (advisor). "Failed Zero Forcing on Oriented Graphs: Paths, Cycles and Other Results." *Proceedings of the Joint Mathematics Meetings*. Ed. Mathematics Association of America. Baltimore, MD: n.p.. *

Manuscripts Submitted for Publication:

Adams, Alyssa and Bonnie Jacob. "Failed Zero Forcing and Critical Sets on Ddirected Graphs." 5 Nov. 2019. TS - typescript (typed). *

Uninvited Presentations: Glasser, Abraham and Bonnie Jacob (advisor). "Failed Power Domination on Knoedel Graphs." 50th Southeastern International Conference on Combinatorics, Graph Theory & Computing. Florida Atlantic University. Boca Raton, FL. 5 May 2019. Conference Presentation. £

Manuscripts Submitted for Publication: Jacob, Bonnie, et al. "Failed Power Domination on Graphs." 4 Sep. 2019. TS - typescript (typed). *

Uninvited Presentations: Jacob, Bonnie and Alyssa Adams. "Minimum Critical Sets and Maximum Failed Zero Forcing Sets in Directed Graphs." 33rdMidwest Conference on Combinatorics, Cryptography, and Computing. Rochester Institute of Technology. Rochester, NY. 12 Oct. 2019. Conference Presentation. £

Peer Reviewed/Juried Poster Presentation:

Eguiluz, Alexandra and Bonnie Jacob (advisor). "Agent-Based Modeling of Hand, Foot, and Mouth Disease." *Proceedings of the CUR REU Symposium*. Ed. Council for Undergraduate Research. Washington, DC: n.p.. £

Matthew Lynn, Associate Professor

Journal Paper: Lynn, Matthew A, et al. "Copper(I) SNS Pincer Complexes: Impact of Ligand Design and Solvent Coordination on Conformer Interconversion from Spectroscopic and Computational Studies." *Inorganica Chimica Acta* 492. (2019): 118996. Print. *

Uninvited Presentations: Wieber, Gary, Scott T Wills, and Matthew A Lynn. "Science Moves Beyond Boundaries - Deaf Scientists and Dow." 50th Central Regional Meeting of the American Chemical Society. American Chemical Society. Midland, MI. 5 Jun. 2019. Poster Session.

Manuscripts Submitted for Publication: Lynn, Matthew A, et al. "A Review of Mentoring Deaf and Hard-of-hearing Scholars." 13 Jul. 2019. TS - typescript (typed). «

Keith Mousley, Associate Professor

Manuscripts Submitted for Publication: Mousley, Keith, et al. "Supplemental Online Learning Tools (SOLTs) to Support Deaf and Hard of Hearing Students in Introductory Statistics Courses." 20 Aug. 2019. TS - typescript (typed). *

Uninvited Presentations: Mousley, Keith. "Interactive Approach in Math Activities to Gain Better Understanding in Ratio, Percentage, Fractions, and Problem Solving." Math Conference 2019. DeafTec. Austin, TX. 5 Nov. 2019. Conference Presentation. *

Jason T Nordhaus, Assistant Professor

Invited Keynote/Presentation: Nordhaus, Jason. "Convection in Common Envelopes." Flatiron CE Meeting. Center for Computational Astrophysics - Flatiron Institute. New York, NY. 6 May 2019. Conference Presentation.

Invited Keynote/Presentation: Nordhaus, Jason and John Wisniewski. "Probing Stellar Interiors with Circumstellar Disks." Scialog. Research Corporation of America. Tucson, AZ. 12 May 2019. Conference Presentation.

Invited Keynote/Presentation: Nordhaus, Jason, Phil Muirhead, and Maria Drout. "A Novel Observational Constraint on Common Envelopes." Scialog. Research Corporation of America. Tucson, AZ. 12 May 2019. Conference Presentation.

Journal Paper: Wilson, Emily and Jason Nordhaus. "The Role of Convection in Determining the Ejection Efficiency of Common Envelope Interactions." Monthly Notices of the Royal Astronomical Society 485. 4 (2019): 4492-4501. Web. £

Journal Paper: Chamandy, Luke, et al. "Energy Budget and Core-envelope Motion in Common Envelope Evolution." Monthly Notices of the Royal Astronomical Society 486. 1 (2019): 1070-1085. Web. £

Invited Article/Publication: Aarnio, Alicia, et al. "Astro2020 APC White Paper: Accessible Astronomy: Policies, Practices, and Strategies to Increase Participation of Astronomers with Disabilities." Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, no. 239; Bulletin of the American Astronomical Society, Vol. 51, Issue 7, id. 239 (2019). (2019). Web.

Journal Paper: Guidarelli, Gabriel, et al. "Hydrodynamic Simulations of Disrupted Planetary Accretion Discs Inside the Core of an AGB Star." Monthly Notices of the Royal Astronomical Society 490. 1 (2019): 1179-1185. Web. £

Manuscripts Submitted for Publication: Zou, Yangyuxin, et al. "Bipolar Planetary Nebulae from Outflow Collimation by Common Envelope Evolution." 27 Nov. 2019. TS - typescript (typed). £

Grants: Nordhaus, Jason, Phil Muirhead, and Maria Drout (2020-2023). Brief but Spectacular: New Windows into the Physics of Common Envelope Evolution. Grant proposal submitted to Astronomy and Astrophysics Grants, National Science Foundation. ≠

Invited Keynote/Presentation: Nordhaus, Jason. "Hunting for hidden companions in dying stars." CCRG Seminar. RIT. Rochester, NY. 29 Mar. 2019. Lecture.

Invited Keynote/Presentation: Nordhaus, Jason. "Removing barriers for deaf participation in STEM fields." SciAccess. Ohio State University. Columbus, OH. 28 Jun. 2019. Conference Presentation.

Invited Keynote/Presentation: Nordhaus, Jason. "Removing Barriers for Deaf Participation in Astronomy." Inclusive Astronomy II. Space Telescope Science Institute. Baltimore, MD. 14 Oct. 2019. Conference Presentation.

Invited Keynote/Presentation: Nordhaus, Jason. "Common Envelope Evolution." Colloquium. Ohio State University. Columbus, OH. 22 Oct. 2019. Address.

Peer Reviewed/Juried Poster Presentation: Wilson, Emily and Jason Nordhaus. "The Role of Convection in Determining the Ejection Efficiency of Common Envelope Interactions." Proceedings of the Deaths and Afterlives of Stars. Ed. Martha Boyer. Baltimore, MD: n.p.. £

Grants: Nordhaus, Jason (2020). 3D Simulations of Planetary Disruption in Red Giant Interiors. Grant proposal submitted to XSEDE Research, National Science Foundation. £

Todd Pagano, Professor

Published Game, Application or Software: Pagano, Todd, et al. Sustainability Signs/Lexicons. Software. ASLcore. 2018.

Journal Editor: Pagano, Todd and Sami Kahn, ed. Journal of Science Education for Students with Disabilities. Rochester: Science Education for Students with Disabilities, 2019. Web. *

Uninvited Presentations: Spellman, Andrew, Morgan Bida, and Todd Pagano. "Analysis of Natural Products." Opening the Pathway to Technician Careers. NTID. Rochester, NY. 14 Oct. 2019. Poster Session.

Uninvited Presentations: Dominguez, Jonathan, Morgan Bida, and Todd Pagano. "Chemical Analysis of the Local Environment." Opening the Pathway to Technician Careers. NTID. Rochester, NY. 14 Oct. 2019. Poster Session.

Peer Reviewed/Juried Poster Presentation: Soun, Kevin, et al. "Essential oil and headspace aroma composition of *Illicium c.f. ekmanii* Smith from the Dominican Republic using HD, SPME, and GC-MS." Proceedings of the 257th American Chemical Society National Meeting. Ed. ACS. Orlando, FL: American Chemical Society. *

Peer Reviewed/Juried Poster Presentation: Cusick, Kelly, et al. "Analysis of pollutant removal from environmental water samples by carbon nanotubes." Proceedings of the 257th American Chemical Society National Meeting. Ed. ACS. Orlando, FL: American Chemical Society. *

Peer Reviewed/Juried Poster Presentation: Ross, Annemarie D. and Todd Pagano. "Examining climate science argumentation strategies by deaf students." Proceedings of the 257th American Chemical Society National Meeting. Ed. ACS. Orlando, FL: American Chemical Society. *

Uninvited Presentations: Tarmey, Signe, et al. "Analysis of Smith's Buckthorn, a Rhamnaceae species native to Colorado and New Mexico." 4th Annual NTID Student Research Fair. NTID. Rochester, NY. 12 Apr. 2019. Poster Session. £

Uninvited Presentations: Spellman, Andrew, et al. "Comparison of leaf oil composition in two *Illicium cf. ekmanii* Smith populations from the Septentrional and Central mountain ranges in the Dominican Republic." 4th Annual NTID Student Research Fair. NTID. Rochester, NY. 12 Apr. 2019. Poster Session. £

Uninvited Presentations: Cummings, Cody, et al. "Removal 2,4-Dichlorophenoxyacetic (2,4-D) from Environmental Water Samples by Carbon Nanotubes." 4th Annual NTID Student Research Fair. NTID. Rochester, NY. 12 Apr. 2019. Poster Session. £

Uninvited Presentations: Spellman, Andrew, et al. "The comparison of leaf oil composition in two *Illicium cf ekmanii* Smith populations from the Septentrional and Central mountain ranges in the Dominican Republic." 64th Annual Rochester American Chemical Society Undergraduate Research Symposium. American Chemical Society. Rochester, NY. 13 Apr. 2019. Poster Session. £

Uninvited Presentations: Cummings, Cody, et al. "The removal 2,4-Dichlorophenoxyacetic (2,4-D) from Environmental Water Samples by Carbon Nanotubes." 64th Annual Rochester American Chemical Society Undergraduate Research Symposium. American Chemical Society. Rochester, NY. 13 Apr. 2019. Poster Session. £

Peer Reviewed/Juried Poster Presentation: Pagano, Susan Smith, Annemarie D. Ross, and Todd Pagano. "Integrating biology and chemistry in an outdoor ornithology learning environment." Proceedings of the 137th Meeting of the American Ornithological Society. Ed. AOS. Anchorage, AK: n.p.. £

Uninvited Presentations: Dominguez, Jonathan, et al. "Analysis of Anthraquinones from Species in the Rhamnaceae Family Found in the Bergen Swamp and Surrounding Areas." RIT Undergraduate Research Symposium. Rochester Inst. of Tech.. Rochester, NY. 1 Aug. 2019. Poster Session. £

Invited Keynote/Presentation: Ross, Annemarie D., Randy Yerrick, and Todd Pagano. "Use of Scientific Argumentation by Deaf/Hard-of-Hearing Students." 10th annual Inclusion in Science, Learning a New Direction (ISLAND) Conference on Disability. Princeton University. Huntsville, AL. 5 Oct. 2019. Keynote Speech. £

Grants: Pagano, Todd and Jessica Trussell (2019-2020). Retention Program for Deaf/Hard-of-Hearing Associate Degree Level Students. Grant received/funded by The Strengthening Career and Technical Education for the 21st Century Act (Perkins V), New York State Education Department. ≠

Book Chapter: Ross, Annemarie D., Randy Yerrick, and Todd Pagano. "Examining the Use of Scientific Argumentation Strategies in Deaf and Hard-of-Hearing Learning Contexts to Teach Climate Science." Communication in Chemistry. Ed. Garland L. Crawford, et al. Washington, DC: American Chemical Society, 2019. 75-95. Print. «

Journal Paper: Bida, Morgan, et al. "Essential Oil Compounds from the Leaf of *Eugenia Samanensis* Alain (Myrtaceae), a Species Endemic to the Samaná Peninsula, Dominican Republic." Journal of Essential Oil Research 31. 2 (2019): 154-159. Print. *

Journal Paper: Selberg, Sigrid, et al. "Synthesis and Photophysics of a Series of Lipophilic Phosphazene-based Fluorescent Indicators." Journal of Physical Organic Chemistry 32. 7 (2019): e3950. Print. *

Journal Paper: Ross, Annemarie D, et al. "Assessment of Climate Science Knowledge and Perceptions of Deaf and Hard-of-Hearing Students." Journal of Science Education for Students with Disabilities 22. 1 (2019): 1-14. Web. *

Journal Paper: Peets, Pilleriin, et al. "Instrumental Techniques in the Analysis of Red Textile Dyes." Journal of Cultural Heritage. (2020): N/A. Web. *

Journal Paper: Ross, Annemarie D., Randy Yerrick, and Todd Pagano. "Use of Scientific Argumentation by Deaf/Hard-of-Hearing Students in Environmental Science Topics." Journal of Science Education for Students with Disabilities. (2020): N/A. Web. «

Annemarie Ross, Associate Professor

Book Chapter: Ross, Annemarie D, Randy Yerrick, and Todd Pagano. "Examining the Use of Scientific Argumentation Strategies in Deaf and Hard-of-Hearing Learning Contexts to Teach Climate Science." "Communication in Chemistry." Ed. Garland L. Crawford, et al. Washington, DC: American Chemical Society, 2019. 75-95. Print. «

Journal Paper: Ross, Annemarie D, et al. "Assessment of Climate Science Knowledge and Perceptions of Deaf and Hard-of-Hearing Students." *Journal of Science Education for Students with Disabilities* 22. 1 (2019): 1-14. Web. «

Manuscripts Submitted for Publication: Ross, Annemarie D, Randy Yerrick, and Todd Pagano. "Use of Scientific Argumentation by Deaf/Hard-of-Hearing Students in Environmental Science Topics." 28 Sep. 2019. TS - typescript (typed). «

Peer Reviewed/Juried Poster Presentation: Ross, Annemarie D and Todd Pagano. "Examining Climate Science Argumentation Strategies by Deaf Students." *Proceedings of the ACS Spring 2019 National Meeting*. Ed. N/A. Orlando, Florida: American Chemical Society. «

Published Game, Application or Software: Pagano, Todd, et al. *Sustainability Signs/Lexicons*. Software. ASLcore. 2018.

Invited Keynote/Presentation: Ross, Annemarie D, Randy Yerrick, and Todd Pagano. "Use of Scientific Argumentation by Deaf/Hard-of-Hearing Students." 10th annual Inclusion in Science, Learning a New Direction (ISLAND) Conference on Disability. Princeton University. Huntsville, AL. 5 Oct. 2019. Keynote Speech. £

Peer Reviewed/Juried Poster Presentation: Pagano, Susan Smith, Annemarie D Ross, and Todd Pagano. "Integrating Biology and Chemistry in an Outdoor Ornithology Learning Environment." *Proceedings of the 137th Meeting of the American Ornithological Society*. Ed. AOS. Anchorage, AK: n.p.. £

Journal Paper: Schley, Sara, et al. "What About Me? Theorizing Power and Pushback in Advancing Marginalized Identities." *Journal of Cultural Analysis and Social Change* 4. 1 (2019): 1-13. Web. «

Jennifer L Swartzenberg

Grants: Swartzenberg, Jennifer (2019-2019). Organic Chemistry in ASL. Grant proposal submitted to Dodge Grant and PLIG (Provost), NTID Dodge Endowment and Provost Office.

Visual Communications Studies

Eric Kunsman, Lecturer

Museum Collection Acquisition: Kunsman, Eric T. *Thou Art... Will Give...* Archival Pigment Print. Hoyt Institute of Art. (2019). *

Invited Article/Publication: Photography, The Association of. "Best in Category / Open Series." 35th AOP Award 2019 / Awards Book. (2019). Print. «

Book Chapter: Salvagio, Nanette L. and Josh Shagam. "Chapter 16 - Printing & Physical Media." *Basic Photographic Materials and Processes*. New York, NY: Focal Press, 2019. 323-349. Print. Δ

Invited Article/Publication: Kunsman, Eric T. "From Hopeful to Hardened." *LensWork Magazine*. (2019). Print. *

Internal Reports/Manuscripts/Articles: Magazine, Dodho. "Thou Art... Will Give..." by Eric T. Kunsman" *Barcelona, Spain: Dodho Magazine*, 5 Mar. 2019. Web. <https://www.dodho.com/thou-art-will-give-by-eric-t-kunsman/> «

Internal Reports/Manuscripts/Articles: Magazine, Dodho. "Felicific calculus by Eric T. Kunsman" *Barcelona, Spain: Dodho Magazine*, 25 Feb. 2019. Web. <https://www.dodho.com/felicific-calculus-by-eric-t-kunsman/> «

Internal Reports/Manuscripts/Articles:

Andreatta, David. "Who is the Man Photographing Rochester One Pay Phone at a Time?" [City Newspaper]. Rochester, NY: City Newspaper, In Press. Print.

Shows/Exhibits/Installations: Kunsman, Eric T. Thou Art... Will Give... 3 Oct. 2019. East Central College, Union, MO. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Thou Art... Will Give... 2 Aug. 2019. Hoyt Art Institute, New Castle, PA. Exhibit. *

Internal Reports/Manuscripts/Articles:

Director, Sarah Sudhoff- TPS Executive. "Eric Kunsman, Member Spotlight - November 2019" Houston: Texas Photo Society, 1 Nov. 2019. Web. <http://texasphoto.org/member-spotlight> *

Internal Reports/Manuscripts/Articles: Andreatta, David. "Who is the Man Photographing Rochester One Pay Phone at a Time?" Rochester: City Newspaper, In Press. Web. <https://www.rochester-citynewspaper.com/rochester/meet-the-man-chronicling-rochesters-pay-phones/Content?oid=10981842>

Invited Article/Publication: Kunsman, Eric T. "Felicific Calculus: Technology as a Social Marker of Race, Class, & Economics in Rochester, NY." *Dodho Magazine* #7. (2019). Print. «

Book Chapter: Magazine, Dodho. "Felicific Calculus: Technology as a Social Marker of Race, Class, & Economics in Rochester, NY." *Best Black & White Photographers of the year 2019*. Barcelona, Spain, Spain: Dodho Magazine, 2019. unknown as I don't have a copy. Print. «

National/International Competition Award

Winner: Kunsman, Eric T. *Dodho Magazine*. 2nd place, Best Black & White Photographer of the Year 2019. Barcelona, Spain, 2019. «

Invited Article/Publication: Kern, RJ. "An Analysis of Salt-Over-Pigment Printing on Microporous Paper." *Best of the Best*. (2019). Print. Δ

Shows/Exhibits/Installations: Kunsman, Eric T. Thou Art... Will Give... 28 Jun. 2019. Kirkland Art Center, Clinton, NY. Exhibit. *

National/International Competition Award

Winner: Old, Forrest R. BW Gallerist. "Best of the Best" 2018 BW Gallerist Emerging Fine Art Photographers. New Hope, PA, 2019. *

Shows/Exhibits/Installations: Kunsman, Eric T. Thou Art... Will Give... 13 Sep. 2019. Flower City Arts Center, Rochester. Exhibit. *

Internal Reports/Manuscripts/Articles:

Kirchoff, Michael. "Eric Kunsman - Historical Narrative" Los Angeles: *Analog Forever Magazine*, 21 Jul. 2019. Web. Pay phone, payphone, social marker, economics, race, class, Rochester, NY Eric Kunsman, Felicific Calculus, photography, B and W, documentary

Shows/Exhibits/Installations: Kunsman, Eric T. Thou Art... Will Give... 1 Feb. 2019. Red Filter Gallery, New Hope, PA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Fake News. 1 Apr. 2019. SPIVA, Joplin, MO. Exhibit. *

Invited Keynote/Presentation: Sellers, Print Buyers Vs. Print. "Print Buyers Vs. Print Sellers." Flower City Printing- Bootcamp. Flower City Printing. Rochester, NY. 22 May 2019. Lecture. *

Invited Keynote/Presentation: Kunsman, Eric T. "Traditional & Digital Printing Processes." Flower City Printing- Bootcamp. Flower City Printing. Rochester, New York. 22 May 2019. Lecture. *

Invited Keynote/Presentation: Kunsman, Eric T. "Digital Printing Processes / Liquid Vs. Dry Toner." Staples Bootcamp. Printing Applications Lab. Rochester, New York. 1 May 2019. Lecture. ~

Invited Keynote/Presentation: Kunsman, Eric T. "Digital Printing Processes." Orientation to Printing for the Modern Printer. Printing Applications Lab. Rochester, New York. 13 Mar. 2019. Lecture. ~

Invited Keynote/Presentation: Kunsman, Eric T. "Lecture of Wide Format Inkjet Printing." Orientation to Printing for the Modern Printer. Printing Applications Lab. Rochester, New York. 14 Mar. 2019. Lecture. ~

Invited Keynote/Presentation: Kunsman, Eric T. "Introduction to Inkjet Printing." Photo Arts I- large lecture. Rochester Institute of Technology. Rochester, New York. 25 Oct. 2019. Guest Lecture. ~

Shows/Exhibits/Installations: Kunsman, Eric T. Camera USA 2019. 3 Jun. 2019. Naples Art Association, Naples. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Rust Belt Biennial. 27 Aug. 2019. Sordoni Gallery at Wilkes University, Wilkes Barre, PA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. 3 pieces accepted into 66th Rochester-Finger Lakes Exhibition. 16 Jun. 2019. Memorial Art Gallery, Rochester. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. The State of the State Exhibition. 7 Mar. 2019. New Media Gallery at Ventura College, Ventura, CA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. 6th Open Call Exhibition. 21 Feb. 2019. Rhode Island Center for Photography, Providence. Exhibit. *

Invited Keynote/Presentation: Kunsman, Eric T. "Thou Art... Will Give... by Eric T. Kunsman." Solo Exhibition of Thou Art... Will Give... Flower City Arts Center. Rochester, New York. 24 Sep. 2019. Lecture. *

National/International Competition Award Winner: Kunsman, Eric T. A. Smith Gallery. Director's Honorable Mention. Johnson City, Texas, 2019. *

Shows/Exhibits/Installations: Kunsman, Eric T. Texas Photo Society, 32nd Annual Members' Only Juried Show. 20 Sep. 2019. Cains Arts Gallery, Houston, TX. Exhibit. *

Invited Keynote/Presentation: Kunsman, Eric T. "Artist Talk on "Thou Art... Will Give..." Solo Exhibition of Thou Art... Will Give... Art + Education at the Hoyt. New Castle, PA. 24 Aug. 2019. Lecture. *

Invited Keynote/Presentation: Kunsman, Eric T. "My Approach to Professional Practices." Solo Exhibition of Thou Art... Will Give... Art + Education at the Hoyt. New Castle, PA. 24 Aug. 2019. Lecture. *

Grants: Kunsman, Eric T (2019-2019). Attending Photolucida 2019. Grant received/funded by Provost Lecturers Grant, Rochester Institute of Technology. *

National/International Competition Award Winner: Kunsman, Eric T. Gallery19. Best in Show. Chicago, Illinois, 2019. *

National/International Competition Award Winner: Kunsman, Eric T. Wayne Art Center. 1st place (Best in Show) Award for "Being There, Black and White Photography Exhibition" at Wayne Art Center. Wayne, PA, 2019. *

National/International Competition Award Winner: Kunsman, Eric T. The Association of Photography. Best in Category (Gold) Award for Open Series Category. London, England, 2019. *

National/International Competition Award Winner: Kunsman, Eric T. IPA - The International Photo Awards. Honorable Mention, OneShot : Street Photography, Lifestyle (Urban Scenery). Los Angeles, CA, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Rust Belt Biennial Exhibition at Sordoni Gallery at Wilkes University. Top 15 Photographer. Wilkes Barre, PA, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Photolucida. Finalist & Critical Mass 2019 Top 200 by Photolucida. Portland, OR, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Rhode Island Center for Photography. 1st place (Best in Show) Award for 6th Open Call Exhibition. Providence, Rhode Island, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Philadelphia Photo Arts Center. Honorable Mention, Parallax. Philadelphia, PA, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Texas Photo Society. Honorable Mention, 32nd Annual Members' Only Juried Show. Houston, TX, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Murray State University. 2nd place, The Magic Silver Show: The Elena Diane Curris Juried Photography Exhibition. Murray, KY, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. IPA - The International Photo Awards. Honorable Mention, Analog / Film-Fine Art for Felicific Calculus. Los Angeles, CA, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. IPA - The International Photo Awards. Honorable Mention, Editorial / Press-Contemporary issues for Felicific Calculus. Los Angeles, CA, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. IPA - The International Photo Awards. Honorable Mention- Analog / Film-Fine Art Category, IPA. Los Angeles, CA, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. Santa Fe Portfolio Reviews. Top 100 photographers accepted into Santa Fe Portfolio Reviews. Santa Fe, NM, 2019. *

National/International Competition Award

Winner: Kunsman, Eric T. The Photo Review. Special Online Feature. Philadelphia, PA, 2019. *

Shows/Exhibits/Installations: Kunsman, Eric T. The Magic Silver Show: The Elena Diane Curris Juried Photography Exhibition. 27 Feb. 2019. Murray State University, Murray, KY. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Black & White. 11 Jan. 2019. A. Smith Gallery, Johnson City, TX. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Past, Present, Future exhibition juried by Jeremiah Morris. 17 Aug. 2019. Specto Art Space, Harrisonburg. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. 2019 Members Juried Exhibit. 27 Apr. 2019. Center for Photographic Art, Carmel, CA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Being There, Black and White Photography Exhibition. 31 Mar. 2019. Wayne Arts Center, Wayne, PA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Honored exhibition. 13 Dec. 2019. Philadelphia Photo Arts Center, Philadelphia. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Director's Cut. 14 Dec. 2019. Atlanta Photography Group, Atlanta. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. 2019 Competition Gallery. 15 Sep. 2019. The Photo Review, Philadelphia. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Exposure 2019: America on the Move exhibition. 22 Jun. 2019. New Hope Arts Center, New Hope, PA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Monochrome. 1 Nov. 2019. SITE:Brooklyn, Brooklyn. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Meed3: When Photography Ruled the Streets. 12 Jul. 2019. Gallery19, Chicago. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Americans. 6 Sep. 2019. Rankin Arts Photography Center, Columbus, GA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Members Juried Exhibition 2019. 7 Aug. 2019. Center for Fine Art Photography, Fort Collins, CO. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. 2019 Auction Preview Exhibition. 15 Oct. 2019. The Light Factory, Charlotte, NC. Exhibit. *

Invited Article/Publication: Kunsman, Eric T. "Palmyra, NY- July 4th." Rust Belt Biennial. (2019). Print. *

Invited Article/Publication: Kunsman, Eric T. "585.288.9518- East Main Street, Rochester, NY." Ten Years of Photographs. (2019). Print. *

Invited Article/Publication: Kunsman, Eric T. "585.288.9518- East Main Street, Rochester, NY & Palmyra, NY- July 4th." black/white. (2019). Print. *

Shows/Exhibits/Installations: Kunsman, Eric T. A Sense of Place 2019. 13 Sep. 2019. Gertrude Herbert Institute of Art, Augusta, GA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. [Untitled]. 6 Apr. 2019. Athens Art Gallery, Crawfordsville, IN. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Allegany National Photography Competition & Exhibition. 6 Apr. 2019. Allegany Arts Council's Saville Gallery, Cumberland, MD. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. 41st National Juried Photography Exhibition. 1 Feb. 2019. Larson Gallery at Yakima Valley College, Yakima, WA. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Introductions 2019 Applicant Exhibition. 10 Jan. 2019. Trestle Gallery, Brooklyn. Exhibit. *

Invited Article/Publication: Kunsman, Eric T. "Kodak Hawkeye Plant, Rochester, NY." Forgotten. (2019). Print. *

Shows/Exhibits/Installations: Kunsman, Eric T. Forgotten. 14 Oct. 2019. SE Center for Photography, Greenville, SC. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Wanderlust. 3 Mar. 2019. Analog Forever Magazine, San Francisco. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. Buffalo's Skyway Exhibition. 6 Jan. 2019. CEPA Gallery- 3rd floor Passageway Gallery, Buffalo, NY. Exhibit. *

Shows/Exhibits/Installations: Kunsman, Eric T. It's All About the Light- Biennial Exhibition. 17 May 2019. San Luis Obispo Museum of Art, San Luis Obispo, CA. Exhibit. *

Michael J Voelkl, Associate Professor

Shows/Exhibits/Installations: Voelkl, Michael J. Meditation III. May 2019. Plymouth Center for the Arts, Plymouth Mass. Exhibit. *

Saunders College of
Business

Accounting

Dilin Wang

Journal Paper: Frischmann, Peter, KC Lin, and Dilin Wang. "Analyst Reaction to Non-articulation Between the Balance Sheet and the Statement of Cash Flows." *Journal of Applied Accounting Research*. (2019): NA. Web. £

Ke-an Wu, Assistant Professor

Journal Paper: Sun, Li, Brian Walkup, and Kean Wu. "Sales Order Backlog and Corporate Social Responsibility." *Advances in Accounting*. (2019): NA. Print. £

Journal Paper: Liu, Manlu, et al. "Textual Analysis for Risk Profiles from 10-K Filings: Evidence from Audit Opinions." *CPA Journal*. (2019): NA. Print. £

Journal Paper: Liu, Manlu, Kean Wu, and Jennifer Xu. "How Will Blockchain Technology Impact Auditing and Accounting: Permissionless Vs. Permissioned Blockchain." *Current Issues in Auditing*. (2019): NA. Print. £

Journal Paper: Lobo, Gerald, Ashok Robin, and Kean Wu. "Share Repurchases and Accounting Conservatism." *Review of Quantitative Finance and Accounting*. (2019): NA. Print. £

Journal Paper: Yang, Rong, et al. "Corporate Risk Disclosure and Audit Fee: A Text Mining Approach." *European Accounting Review*. (2019): NA. Print. £

Journal Paper: Yang, Rong, et al. "Corporate Risk Disclosure and Audit Fee: A Text Mining Approach." *European Accounting Review*. (2019): NA. Print. £

Rong Yang, Associate Professor

Journal Paper: Liu, Manlu, Kean Wu, and Rong Yang. "Textual Analysis for Risk Profiles from 10-K Filings: Evidence from Audit Opinions." *CPA Journal*. (2019): NA. Print. £

Journal Paper: Arena, M., B. Wang, and R. Yang. "Shareholder Litigation and Tax Avoidance." *Journal of Corporate Finance*. (2019): NA. Print. £

Journal Paper: Li, C., et al. "The SOX 404 Control Audit and the Effectiveness of Additional Audit Effort in Lowering the Risk of Financial Misstatements." *Review of Quantitative Finance and Accounting*. (2019): NA. Web. £

Economics

Steven C Gold, Professor

Journal Paper: Steven, Gold,. "Integrating Volatility and Trend Conditions in the Design of an Effective Stock Market Algorithmic Trading System." *Journal of Applied Financial Research* 1. (2019): 17-33. Print. £

Invited Article/Publication: Steven, Gold,. "The Importance of Integrating Advanced Order Placements in the Design of an Algorithmic Trading System: A Pilot Study Testing Automated Stop-limit Orders and Volume Slicing." *Academy of Business Research*. (2019). Print. £

Finance

Chun-keung Hoi, Professor

Journal Paper: Hoi, Chun-Keung (Stan), Qiang Wu, and Hao Zhang. "Does Social Capital Mitigate Agency Problems? Evidence from Chief Executive Officer (CEO) Compensation." *Journal of Financial Economics*. (2019): N/A. Print. £

Zhijian Huang, Assistant Professor

Journal Paper: Huang, Zhijian and Jingzhi Huang. "Testing Moving Average Trading Strategies on ETFs." *Journal of Empirical Finance*. (2019): N/A. Print. £

Archana Jain, Assistant Professor

Journal Paper: Archana, Jain,, Chinmay Jain, and Christine X. Jiang. "Early Movers Advantage? Evidence from Short Selling during After Hours on Earnings Announcement Days." *Financial Review* 54. (2019): 231-412. Print. £

Journal Paper: Archana, Jain,, Chinmay Jain, and Ashok Robin. "Does Accounting Conservatism Deter Short Sellers?" *Review of Quantitative Finance and Accounting*. (2019): NA. Print. £

Journal Paper: Archana, Jain, and Chinmay Jain. "Blockchain hysteria: Adding." *Economic letters* 181. August (2019): 178-181. Print. £

Leonid Pugachev

Journal Paper: Pugachev, Leonid (Leo). "The Risk-Shifting Value of Payout: Evidence from Bank Enforcement Actions." *Journal of Banking and Finance*. (2019): NA. Print. £

Journal Paper: Pugachev, Leonid (Leo), William Megginson, and Abdullah Almansur. "Vertical integration as an input price hedge: The case of Delta Air Lines and trainer refinery." *Financial Management*. (2019): NA. Print. £

Ashok J Robin, Professor

Journal Paper: Jain, Chinmay, Archana Jain, and Ashok J. Robin. "Does Accounting Conservatism Deter Short Sellers?" *Review of Quantitative Finance and Accounting*. (2019): N/A. Web. £

Journal Paper: Lobo, Gerald, Ashok Robin, and Kean Wu. "Share Repurchases and Accounting Conservatism." *Review of Quantitative Finance and Accounting*. (2019): N/A. Web. £

Hao Zhang, Associate Professor

Journal Paper: Hoi, Chun-Keung (Stan), Qiang Wu, and Hao Zhang. "Does Social Capital Mitigate Agency Problems? Evidence from Chief Executive Officer (CEO) Compensation." *Journal of Financial Economics* 133. (2019): 498-519. Print. £

International Business

Malarvizhi Hirudayaraj, Assistant Professor

Journal Paper: Hirudayaraj, Malar and Chanty Clay. "Experiences of Women Veterans within the Private Sector: Examining the Intersectionality of Gender and Veteran Status." *Human Resource Development Quarterly* 30. 4 (2019): 473-494. Web. £

Milivoj Markovic

Journal Paper: Markovic, Milivoj. "Mulaomerovic, Elma; Wang, Eric Min-yang." *Ergonomics* 62. 10 (2019): 1243-1253. Web. «

International Hospitality and Service Innovation

Besim Agusaj

Journal Paper: Besim, Agušaj, Gonan Božac Marli, and Sušanj Zoran. "Attitudinal and Behavioral Outcomes of P-O Fit and Work Engagement in Hotel Staff." *Organizational Cultures: An International Journal* 17. 1 (2017): 21-38. Web. «

Published Conference Proceedings: Agušaj, Besim, Kevin Walker, and Milena Kužnin. "Applicability of Work Engagement as an Antecedent to Intention to Quit, Commitment and Employee Advocacy in Different Star-category Hotels." *Proceedings of the Managing in a Global Economy*. Ed. Marie-Line Germain. Dubrovnik, Croatia: EAM-I, 2019. Web. «

Malarvizhi Hirudayaraj, Assistant Professor

Journal Paper: Hirudayaraj, Malar and Torrence Sparkman. "Building Leadership Capacity: A Framework for Disruptive Events in Tourism." *Journal of Industrial and Commercial Training*. (2019): N/A. Print. £

Journal Paper: Hirudayaraj, Malar, Jason Bickle, and Alaina Doyle. "Social Presence Theory: Theoretical Foundations and Implications for HRD research." *Advances in Developing Human Resources* 21. 3 (2019): 383-399. Web. £

Featured Faculty

DR. MANLU LIU FOCUSES ON STUDYING COMMUNITY PERSPECTIVE OF INFORMATION SYSTEMS. SHE CONDUCTS INTERDISCIPLINARY RESEARCH BY APPLYING BOTH QUALITATIVE AND QUANTITATIVE RESEARCH METHODOLOGY. HER RESEARCH INTERESTS INCLUDE COMMUNITY-BASED OPEN SOURCE (COMMUNITY SOURCE), ACCOUNTING AND FINANCIAL ANALYTICS, OPEN INNOVATION IN HEALTH IT, AND BLOCKCHAIN TECHNOLOGY.

She started to examine community source phenomenon in 2005. She and her coauthors introduced this phenomenon to Management Information Systems (MIS) academic field and developed research models for community source evolution and sustainability. Dr. Liu is currently passionate about how business analytics applies to accounting and finance. She co-initiated the Advanced Certificate of Accounting and Financial Analytics. She designed and developed the graduate level Accounting Analytics course. Her most recent research projects focus on studying the impact of blockchain technology to accounting and auditing community by applying text mining techniques through social media data. Her publications appear in leading academic journals in both MIS and Accounting fields, including Information and Organization, European Accounting Review, Information Systems Journal, Communications of the ACM, Journal of Global Information Management, Decision Support Systems, Journal of Systems and Software, Electronic Commerce Research etc. Her research also attract interests of practitioners. Her publications appear in leading practitioner journals such as the CPA Journal, Current Issues in Auditing. She served as a Guest Co-Editor for Journal of Electronic Commerce Research.

She serves as the member of the Editorial Review Board for the following journals: Electronic Commerce Research, Journal of Electronic Commerce Research, Electronic Government: An International Journal, and International Journal of Electronic Finance. She has been serving as a session chair, program committee member for prestigious international conferences including the International Conference on Information Systems (ICIS), the Americas Conference on Information Systems (AMCIS), the Southwest Decision Science Institute Conference (SWDSI), Human-Computer Interaction (HCI) International Conference etc.

MANLU LIU
ASSOCIATE PROFESSOR
RIT SAUNDERS COLLEGE OF BUSINESS

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ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER



Journal Paper: Hirudayaraj, Malar and Lauren Shields. "Feminist Theory: Implications for HRD Research in the Current Times." *Advances in Developing Human Resources* 21. 3 (2019): 319-334. Web. £

Journal Paper: Hirudayaraj, Malar and Rose Baker. "Power Analyses, p values, and Bayesian Techniques: How Bayesian Techniques can be used in HRD Literature." *Advances in Developing Human Resources* 21. 4 (2019): 438-465. Web. £

Yu-Chin J Hsieh, Associate Professor

Journal Paper: Hsieh, Yu-Chin (Jerrie), Ya-ling Chen, and Joseph Chen. "Hotel Housekeepers' Occupational Stressors." *Annual International Council for Hotel, Restaurant, Institutional Education Conference*. (2019): N/A. Print. £

Journal Paper: Hsieh, Yu-Chin (Jerrie), Abutaleb Zarban, and Muhammet Kesgin. "Impact of Perceived Leadership Styles on Hotel Employees' Job Engagement." *Annual International Council for Hotel, Restaurant, Institutional Education Conference*. (2019): N/A. Print. £

Journal Paper: Hsieh, Yu-Chin (Jerrie), Mohammed Basendwah, and Carol Whitlock. "Tourism Development in Jeddah, Saudi Arabia: Perceptions of Residents." *Annual International Council for Hotel, Restaurant, Institutional Education Conference*. (2019): N/A. Print. £

Journal Paper: Hsieh, Yu-Chin (Jerrie), Zui Chih, and Ping Ying. "Wine Attractions at Hotels: Study of Online Reviews." *International Journal of Wine Business Research* 31. 1 (2019): 89-108. Print. £

Journal Paper: Hsieh, Yu-Chin (Jerrie), Nga Man Lou, and Siu-lan So. "Integrated Resort Employee Competencies: A Macau Perspective." *International Journal of Contemporary Hospitality Management* 31. 1 (2019): 247-267. Print. £

Journal Paper: Hsieh, Yu-Chin (Jerrie), Muhammet Kesgin, and Abdulaziz Alqusayer. "What

Motivates and Satisfies Lodging Employees in Riyadh, Saudi Arabia?" *Journal of Human Resources in Hospitality & Tourism*. (2019): N/A. Print. £

Muhammet Kesgin, Assistant Professor

Journal Paper: Taheri, Babak, Martin Gannon, and Muhammet Kesgin. "Visitors' Perceived Trust in Sincere, Authentic, and Memorable Heritage Experiences." *Service Industries Journal*. (2019): Advance publication. Web. «

Journal Paper: Kesgin, Muhammet, Rajendran S. Murthy, and Linden Pohland. "Residents as Destination Advocates: The Role of Attraction Familiarity on daction familiarity on Destination Imageestination Image." *Journal of Hospitality and Tourism Insights* 2. 1 (2019): 55-74. Web. «

Journal Paper: Kesgin, Muhammet and Rajendran S. Murthy. "An Affordances Approach to Social Media Engagement." *International Hospitality Information Technology Association (iHITA) Annual Conference 2019*. (2019): N/A. Web. £

Journal Paper: Kesgin, Muhammet, Jerrie Hsieh, and Abutaleb Zerban. "Impact of Perceived Leadership Styles on Hotel Employees' Job Engagement." *ICHRIE 2019*. (2019): N/A. Print. £

Journal Paper: Kesgin, Muhammet, Rajendran S. Murthy, and Linden W. Pohland. "Residents as Destination Advocates: The Role of Attraction Familiarity on daction familiarity on Destination Imageestination Image." *Journal of Hospitality and Tourism Insights* 2. 1 (2019): 55-74. Web. £

Journal Paper: Kesgin, Muhammet and Rajendran S. Murthy. "Consumer Engagement: The Role of Social Currency in Online Reviews." *Service Industries Journal* 39. 7-8 (2019): 609-636. Web. £

Journal Paper: Kesgin, Muhammet, Babak Taheri, and Martin Gannon. "Visitors' Perceived Trust in Sincere, Authentic, and Memorable Heritage Experiences." *Service Industries Journal*. (2019): N/A. Web. £

Rick Lagiewski, Assistant Professor

Journal Paper: Lagiewski, Rick, Paul Barron, and Anna Leask. "The Effect of Exporting Hospitality and Tourism Degrees Overseas on the Home Campus: A Conceptual Model." *Journal of Hospitality, Leisure, Sport & Tourism Education* 24. (2019): 211-222. Web. £

Jennifer Matic, Assistant Professor

Journal Paper: Matic, Jennifer. "The Internationalisation of American Higher Education: A positional competition perspective." *Globalisation, Societies and Education*. (2019): N/A. Print. £

Journal Paper: Matic, Jennifer. "Multicultural Student-to-Student Dialogue and the Generation of Creative Ideas." *College Teaching*. (2019): N/A. Print. £

Domagoj Nikolic

Published Conference Proceedings: Nikolić, Domagoj and Srećko Natek. "Reassessing Tacit Knowledge in the Experience Economy." *Proceedings of the MakeLearn Management, Knowledge and Learning International Conference 2018*. Ed. Valerij Dermol. Naples, Italy: n.p., 2018. Web. «

Journal Paper: Miljanić, Marja and Domagoj Nikolić. "Automated Hotels in Dubrovnik: Science Fiction or Reality?" *RIThink* 5. 1 (2016): 19-22. Web. *

Torrence E Sparkman, Assistant Professor

Book Chapter: Sparkman, Torrence. "Maintaining a Mature Workforce in the Nursing Profession." *Strategies for attracting, maintaining, and balancing a mature workforce*. N/A, N/A: N/A, 2019. N/A. Print. £

Journal Paper: Sparkman, Torrence. "Exploring the Boundaries of Diversity and Inclusion in Human Resource Development." *Human Resource Development Review*. (2019): N/A. Web. £

Journal Paper: Sparkman, Torrence. "Building Leadership Capacity: A Framework for Disrup-

tive Events in Tourism." *Journal of Industrial and Commercial Training*. (2019): N/A. Web. £

Management

Steven Carnovale, Assistant Professor

Journal Paper: Rogers, Zac, et al. "The Predictive Value of the Logistics Managers' Index." *Rutgers Business Review* 4. 6 (2019): 173-189. Print.

Journal Paper: Carnovale, Steven, et al. "Unintended Consequences: How Suppliers Compensate for Price Concessions and the Role of Organizational Justice in Buyer-Supplier Relations." *Journal of Business Logistics* 40. 3 (2019): 187-203. Print. £

Journal Paper: Carnovale, Steven, Dale S Rogers, and Sengun Yenyurt. "Broadening the Perspective of Supply Chain Finance: The Performance Impacts of Network Power and Cohesion." *Journal of Purchasing and Supply Management* 25. 2 (2019): 134-145. Print. £

Journal Paper: DuHadway, Scott, Steven Carnovale, and Ben Hazen. "Understanding Risk Management for Intentional Supply Chain Disruptions: Risk Detection, Risk Mitigation, and Risk Recovery." *Annals of Operations Research* 283. (2019): 179-198. Print. £

Book Chapter: DuHadway, Scott and Steven Carnovale. "Malicious Supply Chain Risk: A Literature Review and Future Directions." *Revisiting Supply Chain Risk Springer Series in Supply Chain Management*. Cham, Switzerland: Springer, 2019. 221-231. Print.

Full Length Book: Carnovale, Steven and Sengun Yenyurt. *Cybersecurity in Supply Chain Management: Trends, Challenges, and Solutions*. Not Available, Not Available: Not Available, O. Print. £

Clyde Hull, Professor

Journal Paper: Millette, Sherwyn, Eric Williams, and Clyde Eirikur Hull. "Materials flow analysis in support of circular economy development: Plastics in Trinidad and Tobago." *Resources, Conservation and Recycling* 150. (2019): 104436. Web. £

Chih I Liu, Assistant Professor

Journal Paper: Bui, Quang (Neo), Ezekiel Leo, and Adelakun Olayele. "Exploring Complexity and Contradiction in Information Technology Outsourcing: A Set-Theoretical Approach." *Journal of Strategic Information Systems* 28. 3 (2019): 330-355. Web. £

A Erhan Mergen, Professor

Published Conference Proceedings: Mergen, A. Erhan, Donald S. Holmes, and Murat P. Uysal. "Use of Multivariate Control Charts When the Process Data is Limited." *Proceedings of the 2019 Northeast Decision Sciences Institute Meeting*. Ed. Eric W. Stein. Philadelphia, PA: n.p., 2019. Web. *

Journal Paper: Mergen, A. Erhan, Donald S. Holmes, and Murat P. Uysal. "Bring the Energy - Get Reacquainted with Acceptance Charts and Learn a New Way to Build Them." *Quality Progress* 52. 8 (August) (2019): 32-39. Print. *

Journal Paper: Holmes, Donald S., A. Erhan Mergen, and Murat P. Uysal. "Bring the Energy - Get Reacquainted with Acceptance Charts and Learn a New Way to Build Them (originally accepted under the title of 'Acceptance Charts: Underutilized Tools in Quality Management')." *Quality Progress* 52. 8 (2019): 32-39. Print. £

Published Conference Proceedings: Holmes, Donald S., A. Erhan Mergen, and Murat P. Uysal. "Not Available." *Proceedings of the 2019 Northeast Decision Sciences Institute Meeting*, Philadelphia, PA, April 4-6, 2019. Ed. NEDSI. Philadelphia, PA: n.p., Web. £

Michael Palanski, Associate Professor

Journal Paper: Clapp-Smith, Rachel, et al. "Promoting identity development in leadership education: A multi-domain approach to developing the whole leader." *Journal of Management Education*. (2019): Not Available. Print. £

Journal Paper: Palanski, Michael, Alexander Newman, and Hannes Leroy. "Quantitative research on leadership and business ethics: Examining the state of the field and an agenda for future research." *Journal of Business Ethics*. (2019): Not Available. Print. £

Sandra Rothenberg, Professor

Journal Paper: Tang, Zhi and Sandra Rothenberg. "Does perceptual acuity matter? An investigation of entrepreneurial orientation, perceptual acuity, and firm performance." *Journal of Enterprising Culture* 17. (2009): 79-102. Print. «

Zhi Tang, Associate Professor

Journal Paper: Olabisi, Joy, et al. "Stakeholder Transformation Process: The Journey of an Indigenous Community." *Journal of Business Ethics* 159. 1 (2019): 1-21. Print. £

Journal Paper: Tang, J., et al. "Entrepreneurs' resource background, innovation, philanthropy and the exit of external Investment in Private Ventures in China." *Asia Pacific Journal of Management*. (2019): Not Available. Print. £

Journal Paper: Hull, Clyde, et al. "Information diversity and innovation for born-globals." *Asia Pacific Journal of Management*. (2019): Not Available. Print. £

Management Information Systems

Quang N Bui, Assistant Professor

Journal Paper: Bui, Quang (Neo), Ezekiel Leo, and Adelakun Olayele. "Exploring Complexity and Contradiction in Information Technology Outsourcing: A Set-Theoretical Approach." *Journal of Strategic Information Systems* 28. 3 (2019): 330-355. Web. £

Journal Paper: Levy, Matthew and Quang (Neo) Bui. "How Field-Level Institutions Become a Part of Organizations: A Study of Enterprise Architecture as a Tool for Institutional Change." *Information and Organization* 29. 4 (2019): 1-23. Web. £

Published Conference Proceedings: Bui, Quang (Neo), Ezekiel Leo, and Adelakun Olayele. "Achieving Strategic Innovation through Information Technology Outsourcing: A Configurational Approach." *Proceedings of the Americas Conference on Information Systems*. Ed. NA. NA, NA: n.p., 2019. Print. £

Book Chapter: Bui, Son and Quang (Neo) Bui. "An Empirical Investigation of Equity-Based Crowdfunding Campaigns in the United States." *The Ecosystem of E-Business: Technologies, Stakeholders, and Connections*. New York, NY: Springer, 2019. NA. Print. £

Sean W Hansen, Associate Professor

Journal Paper: Hansen, Sean and A. James Baroody. "Electronic Health Records and the Logics of Care: Complementarity and Conflict in the U.S. Healthcare System." *Information Systems Research*. (2019): 1-19. Web. £

Manlu Liu, Associate Professor

Journal Paper: Liu, Manlu, Kean Wu, and Jennifer Xu. "How will Blockchain Technology Impact Auditing and Accounting: Permissionless vs Permissioned Blockchain." *Current Issues in Auditing*. (2019): NA. Print. £

Journal Paper: Liu, Manlu, et al. "Textual Analysis for Risk Profiles from 10-K Filings: Evidence from Audit Opinions." *CPA Journal*. (2019): NA. Print. £

Marketing

Duygu Akdevelioglu

Published Conference Proceedings: Akdevelioglu, Duygu and Cecilia Ruvalcaba. "Legitimation Networks of Incentivized Wellness." *Proceedings of the Academy of Marketing Conference*. Ed. John Egan. LONDON, UK: n.p., Web. «

Peer Reviewed/Juried Poster Presentation: Akdevelioglu, Duygu and Gul Yucel. "Poor but Grateful: An Investigation of Low-Income Consumers Coping With Poverty." *Proceedings of the Association for Consumer Research*. Ed. Lauren Block, Rajesh Bagchi, Leonard Lee. Atlanta, Georgia: n.p.. «

Darline Augustine, Assistant Professor

Published Conference Proceedings: Akdevelioglu, Duygu and Gul Yucel. "Poor But Grateful: An Investigation of Low-Income Consumers Coping with Poverty." *Proceedings of the Association for Consumer Research Annual Conference*. Ed. NA. NA, NA: n.p., 2019. Print. £

Published Conference Proceedings: Akdevelioglu, Duygu and Cecilia Ruvalcaba. "Legitimation of Incentivized Wellness." *Proceedings of the Academy of Marketing Conference*. Ed. NA. NA, NA: n.p., 2019. Print. £

Deborah Colton, Associate Professor

Published Conference Proceedings: Colton, Deborah. "Social Brand Stars: Brands and Their Influencers." *Proceedings of the 14th Annual Business Research Consortium Conference*. Ed. NA. NA, NA: n.p., 2019. Print. £

Emi Moriuchi, Assistant Professor

Journal Paper: Moriuchi, Emi. "Okay, Google!: An Empirical Study On Voice Assistants On Consumer Engagement And Loyalty." *Psychology and Marketing*. (2019): 1-13. Print. £

Journal Paper: Moriuchi, Emi and Michael Basil. "The Sustainability of Ohanami Cherry Blossom Festivals as a Cultural Icon." *Sustainability* 11. 6 (2019): 1820. Web. £

Journal Paper: Moriuchi, Emi and Ikuo Takahashi. "Integrated Consumer Shopping Decision Model: A Japanese Online Supermarket Context." *Journal of Marketing Channels* 25. 2-3 (2019): NA. Print. £

Published Conference Proceedings: Moriuchi, Emi. "Myth or Reality : A Mixed Method Approach toward Americans' and Swedes' Belief and Attitude toward Racial Diversity in Ads." *Proceedings of the Workshop in Racial and Ethnic Diversity in Ads*. Ed. NA. NA, NA: n.p., 2019. Print. £

Published Conference Proceedings: Ackerman, David and Emi Moriuchi. "Louis Vuitton at Yale: College Choice and the Extended Self." *Proceedings of the Marketing Educator's Association*. Ed. NA. NA, NA: n.p., 2019. Print. £

Published Conference Proceedings: Moriuchi, Emi and Ikuo Takahashi. "Perceived value, Trust and engagement of Japanese online consumers in an e-commerce secondary marketplace." *Proceedings of the Royal Bank International Research Seminar*. Ed. NA. NA, NA: n.p., 2019. Print. £

Published Conference Proceedings: Moriuchi, Emi and Mario Gonzalez-Fuentes. "Does Reviewer's Perceived Ethnicity make an Online Review more." *Proceedings of the Society for Marketing Advances*. Ed. NA. NA, NA: n.p., 2019. Print. £

Full Length Book: Moriuchi, Emi. *Social Media Marketing: Strategies in Utilizing Consumer-Generated Content*. 2nd ed. NA, NA: Business Expert Press, 2019. Print. £

Rajendran S Murthy, Associate Professor

Published Conference Proceedings: Murthy, Rajendran S and Muhammet Kesgin. "An Affordances Approach to Social Media Engagement." *Proceedings of the International Hospitality Information Technology Association (iHITA) Annual Conference 2019*. Ed. Thomas Schrier and John Farrish. NA, NA: n.p., 2019. Print. £

Journal Paper: Kesgin, Muhammet and Rajendran S Murthy. "Consumer engagement: the role of social currency in online reviews." *Service Industries Journal* 39. 7-8 (2019): 609-636. Web. £

Journal Paper: Kesgin, Muhammet, Rajendran S Murthy, and Linden W Pohland. "Residents as destination advocates: the role of attraction familiarity on destination image." *Journal of Hospitality and Tourism Insights* 2. 1 (2019): 55-74. Web. £

School of

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Daniel W Worden, Associate Professor

Book Chapter: Worden, Daniel. "Cibopathic." *An Ecotopian Lexicon*. Ed. Matthew Schneider-Materson and Brent Ryan Bellamy. Minneapolis, MN: University of Minnesota Press, 2019. 42-51. Print. *

Book Chapter: Worden, Daniel. "Lit: A Memoir by Mary Karr." *Disability Experiences: Memoirs, Autobiographies, and Other Personal Narratives*. Ed. G. Thomas Couser and Susannah B. Mintz. Farmington Hills, MI: Macmillan Reference, 2019. 396-398. Print. *

Invited Keynote/Presentation: Worden, Daniel. "Sequence in Comics." Sequential Considerations Symposium. Visual Studies Workshop. Rochester, NY. 21 Mar. 2019. Lecture. Δ

Invited Keynote/Presentation: Worden, Daniel. "Joan Didion, the New Journalism, and Personal Style." Barrett Honors College Lecture Series. Arizona State University. Tempe, AZ. 28 Mar. 2019. Lecture. Δ

Invited Keynote/Presentation: Worden, Daniel. "Reading, Looking, Feeling: Comics After Legitimacy." Brandeis Novel Symposium. Brandeis University. Waltham, MA. 12 Apr. 2019. Lecture. Δ

Invited Paper: Worden, Daniel. "Researcher Spotlight: Dr. Daniel Worden on 'Oil Comics'." Billy Ireland Cartoon Library & Museum Blog. (2019). Web. ~

Invited Keynote/Presentation: Worden, Daniel. "After Legitimacy: R. Crumb in Comics Studies." Comics Studies Society Annual Conference. Ryerson University. Toronto, ON. 27 Jul. 2019. Conference Presentation. ~

Invited Keynote/Presentation: Worden, Daniel and Rebekah Walker. "Comics in the Archive: Digital Approaches to the April 1956 Newsstand." Association for Computers and the Humanities Conference. Alliance for Digital Humanities Organizations. Pittsburgh, PA. 26 Jul. 2019. Conference Presentation. £

Shows/Exhibits/Installations: Various, . Frozen in Time: The Stephen Cooper Comic Book Collection. Jun. 2019. RIT Cary Graphic Arts Collection Digital Exhibits, Rochester, NY. <https://cary.omeka.net/exhibits/show/cooper-comics>. Exhibit.

Featured Faculty

DANIEL WORDEN WORKS ON THE INTERSECTIONS OF CULTURE AND MATERIAL REALITIES—HOW CONTEMPORARY ART OFFERS NEW WAYS OF IMAGINING OUR CHANGING CLIMATE; HOW COMICS REPRESENT CORPORATE EXPLOITATION; HOW MEMOIRS CONJURE THE POSSIBILITIES OF RENEWED LIFE FROM WITHIN THE WRECKAGE OF POVERTY AND SOCIAL NEGLECT IN CONTEMPORARY AMERICA.

In 2019, Daniel's essay "Cibopathic" was published in *An Ecotopian Lexicon*, a book that speculates about new terms that may prove to be useful in the latter years of the Anthropocene. Reviewed in the *New Yorker* magazine, the book offers a series of meditations on new ways of being in the world, and Daniel's essay draws on the comics series *Chew* to explore what it would be like to have a unique superpower: the ability to taste a food's history of growth, production, and packaging, instead of its flavor. Would we still eat the things we eat, if we experienced their histories?

Daniel also continued to write and speak about his recent research interests. His current research project explores how 19th and early 20th-century cartoons represent the petroleum industry and its increasing stranglehold on American society, and the connections between comics storytelling and the outsized speeds afforded to us through fossil fuels.

He continued his work on documentary arts. He has analyzed how documentary across media sought to represent the gradual and often opaque processes by which the global economy was transformed through financialization, and the ways in which the neoliberal thinking that has enforced austerity, privatization, and entrepreneurship as norms has strategically undone our ability to think systematically about our economy and our society. A version of this work will be published as a book, *Neoliberal Nonfictions: The Documentary Aesthetic from Joan Didion to Jay-Z*, in Spring 2020.

Daniel Worden
Associate Professor
RIT School of Individualized Study & Department of English

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ELIZABETH TORGERSON-LAMARK
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