2018 FACULTY SCHOLARSHIP REPORT

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I am delighted to present this 2018 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. I hope you will take pride in your own and others’ awards, articles, books, juried exhibitions, editorships and other scholarly work highlighted here.

The scholarly and artistic efforts within this report are examples of significant individual and group achievement. This work ranges from identifying antibacterial agents that promote burn wound healing, to building better barriers to cyberterrorism, to exploring representations of disability stigma in the media. It puts RIT and its research at the very heart of some of the world’s most critical technical, scientific, and social challenges.

The impact of these accomplishments is also making a difference to RIT’s national reputation. For example, as the result of many recent research successes, we are now classified by the Carnegie Classification of Institutions of Higher Education as Carnegie Research 2. This new standing elevates our national status and expands the opportunities available to faculty and students alike.

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 including: $100M in sponsored program awards, $70M in sponsored program expenditures, 1,000 scholarly works produced annually, and at least 50 doctoral degrees conferred each year. The collective work displayed in this report makes me confident that these goals, though ambitious, are well within the talents of RIT’s faculty.

It is with great pride that I present this report highlighting our faculty’s scholarly achievements during 2018.

ELLEN GRANBERG, PH.D.
Provost and Senior Vice President for Academic Affairs
Rochester Institute of Technology
B. Thomas Golisano College of Computing & Information Sciences

Computer Science

Reynold J Bailey, Professor


Peer Reviewed/Juried Poster Presentation:

Ivona Bezakova, Professor


Peer Reviewed/Juried Poster Presentation:


Hans-Peter Bischof, Professor


Zachary Butler, Professor


Matthew Fluet, Associate Professor


Joe Geigel, Professor

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:


Edith Hemaspaandra, Professor

QI YU’S RESEARCH SPANS MULTIPLE BRANCHES IN MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE WITH A MAJOR FOCUS ON INTEGRATING MACHINE INTELLIGENCE WITH HUMAN INTELLIGENCE THROUGH INNOVATIONS IN MULTIMODAL DATA FUSION, DYNAMIC DATA MODELING, ACTIVE LEARNING, BAYESIAN NONPARAMETRICS, AND KNOWLEDGE-RICH DATA MINING. DR. YU HAS RECEIVED OVER $2M IN RESEARCH FUNDING, INCLUDING THOSE FROM THE NATIONAL SCIENCE FOUNDATION (NSF) AND THE OFFICE OF NAVAL RESEARCH (ONR).

Dr. Yu directs the Machine learning and Data Intensive Computing (Mining) research lab, which focuses on developing interpretable machine learning models that analyze large-scale multimodal dynamic data while keeping humans in the loop for interactive and continuous model improvement.

In a recently funded NSF project, Dr. Yu is working with an interdisciplinary research team to bring together human and computer capabilities to automatically extract the meaning of complex images, especially those from specialized domains such as medicine. The research will contribute novel computational models to capture the complex and unique features of human language and vision related to performing image understanding tasks, and an innovative probabilistic framework to fuse human knowledge data with image features.

In another project, which is sponsored by the ONR, Dr. Yu’s team aims to develop a novel machine learning framework to facilitate complex decision-making in various highly complicated battlefield scenarios and military tasks. Such a framework will provide fundamental support to a decision-making team, including (1) analyzing large-scale, heterogeneous, and dynamic data streams from multiple sources and extracting high-level and meaningful features, (2) fusing multimodal data streams and providing decision recommendations with interpretable justifications, (3) identifying sources of uncertainty and offering informative guidance for cost-effective information gathering, and (4) allowing intuitive interactions with the human team for collaborative learning and continuous model improvement to achieve high-quality decisions.

QI YU
ASSOCIATE PROFESSOR
GOLISANO COLLEGE OF COMPUTING AND INFORMATION SCIENCES

PHOTO BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER

**External Scholarly Fellowships/National Review Committee:**
- 10/1/2018 - 9/30/2021
  - NSF-DUE IUSE
  - Amount: $299,471

**External Scholarly Fellowships/National Review Committee:**
- 10/1/2018 - 3/31/2019
  - Alexander von Humboldt Foundation:
    - Renewed Research Stay
    - Amount: 16,150 euros

**Christopher M Homan, Associate Professor**


**Hadi Hosseini, Assistant Professor**


**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**


Xumin Liu, Associate Professor


Stanislaw Radziszowski, Professor


Rajendra Raj, Professor


Carlos Rafael Rivero Osuna, Assistant Professor


Carol J Romanowski, Professor


Richard Zanibbi, Professor


Peer Reviewed/Juried Poster Presentation:


Department of Computing Security

Sumita Mishra, Professor


Yin Pan, Professor

Peer Reviewed/Juried Poster Presentation:
Peer Reviewed/Juried Poster Presentation:

Justin M Pelletier, Lecturer


Hanif Rahbari, Assistant Professor


Ziming Zhao, Assistant Professor


Information Sciences and Technologies

**Erik Golen, Lecturer**


Edward Holden, Associate Professor


Matt Huenerfauth, Professor


External Scholarly Fellowships/National Review Committee:  
10/1/2018 - 9/30/2023  
Department of Health and Human Services - Administration for Community Living - National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) - Disability and Rehabilitation Research Projects (DRRP) program  
Amount: $599,881

External Scholarly Fellowships/National Review Committee:  
8/1/2018 - 7/31/2021  
National Science Foundation, Cyberlearning for Work at the Human-Technology Frontier Program  
Amount: $391,868

External Scholarly Fellowships/National Review Committee:  
7/1/2018 - 6/30/2021  
National Science Foundation, CISE Directorate, IIS Division, Cyber-Human Systems (CHS) Program  
Amount: $209,096

External Scholarly Fellowships/National Review Committee:  
7/1/2018 - 6/30/2021  
National Science Foundation  
Amount: $343,975

External Scholarly Fellowships/National Review Committee:  
1/1/2016 - 12/31/2019  
National Science Foundation  
Amount: $449,987


Jai W Kang, Associate Professor


Tae Oh, Associate Professor


Kristen Shinohara, Assistant Professor


Brian Tomaszewski, Associate Professor


External Scholarly Fellowships/National Review Committee:
1/5/2018 - 1/7/2018
National Science Foundation (NSF) Directorate for Social, Behavioral & Economic Sciences (SBE)
Amount: 1000

External Scholarly Fellowships/National Review Committee:
5/5/2018 - 11/25/2018
National Science Foundation (NSF) Office of International Science and Engineering (OISE)
Amount: 1000


Ronald P Vullo, Associate Professor


Qi Yu, Associate Professor


External Scholarly Fellowships/National Review Committee:
7/15/2018 - 6/30/2021
National Science Foundation
Amount: 497,423
≠
**External Scholarly Fellowships/National Review Committee:**

10/1/2018 - 9/30/2022
Office of Naval Research
Amount: 1,586,800

**Published Conference Proceedings:**

Steve Zilora, Professor


Linwei Wang, Associate Professor


PhD Program

Yu Kong, Assistant Professor


Rui Li, Assistant Professor


School of Interactive Games and Media

Christopher Egert, Associate Professor


Owen A Gottlieb, Assistant Professor


Jay Alan Jackson, Associate Professor


Stephen Jacobs, Professor

Travis J Desell, Associate Professor


Yasmine Elglaly, Lecturer


Samuel A Malachowsky, Senior Lecturer


Mohamed Wiem Mkaouer, Assistant Professor


Pradeep Murukannaiah, Assistant Professor


Christian D Newman, Assistant Professor


School for American Crafts

Juan Carlos Caballero-Perez, Professor


Shows/Exhibits/Installations: Caballero-Perez, Juan Carlos. Refined. 2018. Reavley Gallery in the Cole Art Center, Stephen F. Austin State University, Nacogdoches, TX. Exhibit.


Shows/Exhibits/Installations: Caballero-Perez, Juan Carlos. Spoon. 2018. East Carolina University, School of Art and Design, Greenville, NC. Exhibit.


Peter J Pincus, Assistant Professor


Shows/Exhibits/Installations: Pincus, Peter. 
Flower City Art Center, Rochester, NY. Exhibit.

Shows/Exhibits/Installations: Pincus, Peter. 

Invited Keynote/Presentation: Pincus, Peter. 

Shows/Exhibits/Installations: Pincus, Peter. 

Shows/Exhibits/Installations: Pincus, Peter. 

Museum Collection Acquisition: Pincus, Peter. 

Invited Keynote/Presentation: Amy, Michaël. 


Invited Article/Publication: Amy, Michaël. 

Invited Article/Publication: Amy, Michaël. 

Eileen F Bushnell, Professor


Emily L Glass, Senior Lecturer


Mary E Golden, Assistant Professor

DENIS DEFIBAUGH IS PROGRAM CHAIR AND PROFESSOR FOR THE ADVERTISING PHOTOGRAPHY PROGRAM IN THE SCHOOL OF PHOTOGRAPHIC ARTS AND SCIENCES IN CAD.

Professor Defibaugh has a Master of Science in Graphic Arts Publishing, Type & Design and a Bachelor of Science in Professional Photography, both from RIT. His professional background is in advertising photography where he began by producing studio and location photography in Atlanta, GA and Aspen, CO.

His current research involves his role as PI with the National Science Foundation awarded project Rockwell Kent and Early 1930’s Greenland: A Comparative View of Environmental, and Social Cultural Change in Contemporary Greenland. This collaborative project combined visual, historical, and anthropological methodologies to approach social, cultural and environmental change in four Greenlandic communities of Illorsuit, Sisimiut, Nuuk, and Uummannaq.

The research is inspired by the work of Rockwell Kent, an American artist and writer, who resided in Greenland in the early 1930s and produced photographs, art, and literature about his time in the country. Kent’s rare historic lantern slides, not viewed in Greenland since their production, were displayed and discussed with community.

Workshops were held with students in each community, during which pupils were taught photographic techniques to produce and exhibit their own images. PI Defibaugh, Co-PIs Jette Rygaard, lecturer in Literature and Media at Ilisimatusarfik (University of Greenland), Axel Jeremiassen, PhD student at Ilisimatusarfik, and Susan Vanek, PhD student at Binghamton University produced in collaboration with Inuit natives the ethnographic study of still photographs and video interviews that introduced Inuit oral histories and contemporary experiences. The research provides an awareness into how communities in Greenland define themselves during a period of rapid social, cultural, and environmental change incurred by modernization efforts, political transitions, and economic shifts.

Traveling exhibitions and publications of Defibaugh’s photographs and videos will be developed with the premiere exhibition titled North by Nuuk, Greenland After Kent opening at RIT’s University Gallery in August of 2019.

DENIS DEFIBAUGH
PROFESSOR AND PROGRAM CHAIR, ADVERTISING PHOTOGRAPHY
COLLEGE OF ART AND DESIGN

PHOTO (RIGHT) BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER
Elizabeth Kronfield, Professor


Lauren Ramich, Lecturer


David A Schnuckel, Assistant Professor


Sarah E Thompson, Associate Professor


Amy L Williams, Senior Lecturer


School of Design

Deborah A Beardslee, Associate Professor


Alan D Singer, Professor


Shaun C Foster, Associate Professor


Mary E Golden, Assistant Professor


Gary D Jacobs, Assistant Professor


Alex Lobos, Associate Professor


Melissa D Moukperian, Assistant Professor


Hye Jin Nae, Assistant Professor


External Scholarly Fellowships/National Review Committee:
6/15/2018 - 5/15/2019
Autodesk
Amount: $45000


Marla Schweppe, Professor


Cathleen Ashworth, Professor

**Shows/Exhibits/Installations:** Ashworth, Cathleen. Director. 9 Nov. 2018. Civic Symphony of Green Bay, Meyer Theater, Green Bay, WI. Exhibit.

Jack A Beck, Associate Professor


Ricardo R Figueroa, Associate Professor


Thomas D Gasek, Associate Professor

**External Scholarly Fellowships/National Review Committee:**
Amount: $10,000.
*

David L Long, Associate Professor


Stephanie A Maxwell, Professor


Christopher Bondy, Lecturer


Myrtle R Jones, Assistant Professor


Invited Article/Publication: Defibaugh, Denis.


Angela Kelly, Professor


Ted M Kinsman, Assistant Professor


Joshua H Meltzer, Assistant Professor


Michael R Peres, Professor


William D Snyder, Professor


J A Stephen Viggiano, Assistant Professor


Catherine Zuromskis, Associate Professor


Civil Engineering Technology, Environmental Management and Safety

Yewande S Abraham, Assistant Professor


Amanda Bao, Associate Professor


md Abdullah al Faruque, Associate Professor


Josh Goldowitz, Professor

**Lisa L. Greenwood, Assistant Professor**


**Jennifer Schneider, Professor**


**Joseph Rosenbeck, Professor**

MARK OLLES IS AN ASSOCIATE PROFESSOR IN THE DEPARTMENT OF MANUFACTURING AND MECHANICAL ENGINEERING TECHNOLOGY.

Dr. Olles received an A.A.S in Mechanical Engineering Technology from Monroe Community College, B.S. in Mechanical Engineering Technology from RIT and Ph.D. in Mechanical Engineering from the University of Tennessee focusing in propulsion. After graduation, he returned to RIT as a postdoctoral researcher in the bio-device laboratory in KGCOE. He was an Adjunct Lecturer at MCC and RIT followed by Clinical Assistant Professor at Rensselaer Polytechnic Institute before returning to RIT in 2012 in his current role.

Olles’ research programs involve undergraduate and graduate students and span two primary focus areas: biomechanics and energetics with emphasis on highly engineered structural materials and additive manufacturing. His biomechanics research pairs undergraduate and graduate students with medical residents; the highly cross disciplinary collaborative work has been presented at national conferences and has appeared in clinically relevant surgical journals. His energetics work is funded through the Department of Defense and supports undergraduate and graduate students in conjunction with KGCOE. The energetics research program is recognized as being a pioneer in multiple areas and achieved milestones that are of critical importance to the Army. This work is disseminated through DoD controlled venues such as JANNAF conferences and journals as well as The Technical Cooperation Program (TTCP) in which five countries collaborate in defense scientific and technical information exchange. He is currently working on three collaborative projects funded and supported by grants and contracts from the Department of Defense and the US Army. This funding not only supports student researcher salaries but allows him to continue to be on the forefront of his fields of study ensuring he is a more effective educator in the classroom.

Dr. Olles is very student centered, encouraging and enabling undergraduate students to engage in NASA student competitions, traveling with his teams to historic NASA Johnson’s Neutral Buoyancy Laboratory for three years in a row. He is the RIT AIAA student chapter advisor and the RIT BAJA team co-advisor. Community involvement is important to him and he is currently leading a team of three undergraduate students in conjunction with a veterinarian at the Seneca Park Zoo to create a tiger enrichment device.

MARK OLLES
ASSOCIATE PROFESSOR
RIT COLLEGE OF ENGINEERING TECHNOLOGY

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ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER


Malarvizhi Hirudayaraj, Assistant Professor


Scott B Wolcott, Professor

Miguel Bazdresch, Assistant Professor


Jeanne Christman, Associate Professor


Clark G Hochgraf, Associate Professor


Mark J Indelicato, Associate Professor


**William P Johnson, Professor**


**SungYoung Kim, Associate Professor**

**External Scholarly Fellowships/National Review Committee:**
- 4/1/2018 - 3/31/2019
  - Yamaha Corporation
  - Amount: 10945

**External Scholarly Fellowships/National Review Committee:**
- 1/21/2018 - 6/30/2018
  - Harris Communications
  - Amount: 40000


**External Scholarly Fellowships/National Review Committee:**
- 11/1/2018 - 12/24/2019
  - Yamaha Corporation
  - Amount: 26805

**External Scholarly Fellowships/National Review Committee:**
- 1/1/2019 - 12/31/2021
  - National Endowment for the Humanities
  - Amount: 347702

**External Scholarly Fellowships/National Review Committee:**
- 12/1/2018 - 6/30/2019
  - Harris Communication Systems
  - Amount: 40000


Yangming Li, Assistant Professor


Drew Maywar, Associate Professor

External Scholarly Fellowships/National Review Committee:
12/1/2018 - 11/30/2021
RAM Photonics
Amount: $300,001
≠

External Scholarly Fellowships/National Review Committee:
7/1/2018 - 2/2/2019
US Office of Naval Research
Amount: $75,000
≠

External Scholarly Fellowships/National Review Committee:
10/1/2018 - 8/16/2019
Precision Optical Transceivers
Amount: $46,217
≠

External Scholarly Fellowships/National Review Committee:
2/28/2018 - 12/18/2018
Precision Optical Transceivers
Amount: $42,655
≠
External Scholarly Fellowships/National Review Committee:
1/1/2018 - 9/30/2019
US Dept. of Air Force Materiel Command / AIM Photonics
Amount: $30,958


Hospitality and Tourism Management

Yu-Chin J Hsieh, Associate Professor


External Scholarly Fellowships/National Review Committee:
6/15/2018 - 6/30/2019
AHLEF to study The contribution of the hotel and lodging sector during disaster response and recovery.
Amount: 45,154 ≠

External Scholarly Fellowships/National Review Committee:
9/1/2018 - 8/31/2019
Department of State/Santander to develop the project entitled Exchange of practices in the food and beverage value chain through bilateral study abroad between Lima, Peru and the Finger Lakes region of New York.
Amount: 25,000 ≠


Rick Lagiewski, Assistant Professor


External Scholarly Fellowships/National Review Committee:
9/25/2018 - 6/28/2019
American Hotel & Lodging Educational Foundation (AHLEF)
Amount: $45,154 ≠


Martin K Anselm, Assistant Professor


**Betsy Dell, Professor**


**Robert D Garrick, Professor**


**Martin Gordon, Professor**

**Invited Article/Publication:** Gordon, Martin E. "How do Forensic Engineers Investigate Bridge Collapses, like the one in Miami?" The Conversation. (2018). Web. Δ


Christopher L Lewis, Assistant Professor


Jennifer O’Neil, Assistant Professor


Brian S Rice, Assistant Professor

**Packaging Science**

**Carlos Diaz-Acosta, Associate Professor**


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**Kyle D Dunno, Assistant Professor**


---

**Changfeng Ge, Professor**


Biomedical Sciences

Cory A Crane, Assistant Professor


Medical Illustration

James Perkins, Professor

Physician Assistant

Melodie J Kolmetz, Assistant Professor


Wegmans School of Health and Nutrition

Barbara A Lohse, Professor


CORY CRANE COMPLETED HIS GRADUATE TRAINING AT PURDUE UNIVERSITY BEFORE ACCEPTING PRE AND POSTDOCTORAL APPOINTMENTS AT THE YALE UNIVERSITY SCHOOL OF MEDICINE AND THE RESEARCH INSTITUTE ON ADDICTIONS WITH THE UNIVERSITY AT BUFFALO, RESPECTIVELY. HE JOINED RIT IN THE FALL OF 2014 WHERE HIS RESEARCH HAS REMAINED FOCUSED ON THE INTERSECTION OF INTIMATE PARTNER VIOLENCE (IPV) AND ADDICTION.

In collaboration with colleagues across the RIT campus and in the greater Rochester community, Dr. Crane’s primary research involves developing and evaluating brief or adjunctive interventions that meet individualized needs to increase treatment compliance and reduce recidivism rates among recently adjudicated partner violence perpetrators. Interventions include efforts to develop intrinsic motivation to change maladaptive behaviors and integrated treatments addressing comorbid conditions that may interfere with attempts to modify violent behavior, such as post-traumatic stress disorder or substance use diagnoses. In a related area of study, Dr. Crane is pursuing research to improve primary prevention efforts intended to reduce the incidence and escalation of physical IPV perpetration. These projects involve identifying barriers that prevent critical discussions about partner violence between healthcare providers and their patients as well as the development of a brief IPV perpetration screening tool for the purposes of routine clinical evaluation.

Further, Dr. Crane’s lab is involved in basic research efforts to elucidate proximal moderators of the relationship between alcohol use and physical as well as cyber partner violent behavior using survey, experimental, meta-analytic, and ecologically valid, daily reporting methodologies among understudied and high functioning populations of interest, including moderate to heavy social drinkers, military veterans, deaf and hard of hearing individuals, female perpetrators, and relationship dyads. Observed moderators of the association between alcohol and IPV include depletion of self-control, acute symptomatology, anger, and fluctuations in relationship satisfaction.

CORY CRANE, Ph.D.
ASSISTANT PROFESSOR
BIOMEDICAL SCIENCES
COLLEGE OF HEALTH SCIENCES & TECHNOLOGY
Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:
**College of Liberal Arts**

*Dean's Office*

**Andrew Herbert, Professor**


**Laverne McQuiller, Professor**


**James Winebrake, Dean**


*Department of Communication*

**Andrea Hickerson, Associate Professor**


**Hinda B Mandell, Associate Professor**


**FACULTY SCHOLARSHIP REPORT 2018**
**Book Chapter**: mandell, hinda. "Birthimg Fam-


270. Print. «


**Kelly Martin, Associate Professor**


**Jonathan Schroeder, Professor**


JOSEPHINE WOLFF’S RESEARCH FOCUSES ON CYBERSECURITY ISSUES THAT LIE AT THE INTERSECTION OF POLICY, LAW, AND ECONOMICS, INVESTIGATING QUESTIONS SUCH AS HOW SHOULD COMPUTER SECURITY BE MEASURED AND WHO SHOULD BE HELD ACCOUNTABLE WHEN CYBERSECURITY INCIDENTS OCCUR. FOR INSTANCE, HER BOOK “YOU’LL SEE THIS MESSAGE WHEN IT IS TOO LATE”: THE LEGAL AND ECONOMIC AFTERMATH OF CYBERSECURITY BREACHES (MIT PRESS, 2018) EXPLORES WHAT HAPPENS AFTER LARGE-SCALE SECURITY BREACHES, INCLUDING RANSOMWARE, ECONOMIC ESPIONAGE, AND DENIAL-OF-SERVICE ATTACKS, COMBING THROUGH CLASS-ACTION LAWSUITS AND FINANCIAL FILINGS TO ESTABLISH WHO ENDS UP PAYING FOR THESE INCIDENTS AND HOW POLICY-MAKERS CAN ADJUST THE INCENTIVES THAT ORGANIZATIONS HAVE TO INVEST IN STRONGER SECURITY MEASURES. SHE RELIES ON A COMBINATION OF LEGAL AND ECONOMIC ANALYSIS, AS WELL AS POLICY ASSESSMENT TOOLS, TO EXPLORE THE IMPACTS OF CYBERSECURITY POLICIES AND THE OPPORTUNITIES FOR SOCIO-TECHNICAL INTERVENTIONS IN COMPUTER SECURITY.

She and MIT economist William Lehr have a joint project, funded by Cisco, to assess the economic impacts of cloud-based data breaches and the role of cyber-insurance in helping organizations manage these risks. Their work has been published in the annual Research Conference on Communications, Information and Internet Policy, as well as the Georgetown Journal of International Affairs. Another area of focus has been the unintended consequences of layering different types of cybersecurity controls together to create defense-in-depth and relying on unsubstantiated notions of “best practice” to guide security instead of strong empirical evidence. This work has been published in the Hawaii International Conference on System Sciences and the Journal of Management Information Systems.

A member of the extended faculty of the Computing Security department, as well as the RIT Center for Cybersecurity, she collaborates regularly with students and colleagues at RIT and has had opportunities to work with collaborators from natural language processing, psychology, human-computer interaction, and business on issues of cybersecurity related to their own fields.

JOSEPHINE WOLFF
ASSISTANT PROFESSOR
DEPARTMENT OF PUBLIC POLICY

Photo by:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER


Xiao Wang, Associate Professor


Tracy Worrell, Associate Professor


Irshad Altheimer, Associate Professor


John McCluskey, Professor


Judy L Porter, Professor


Amit Batabyal, Professor


Priti Kalsi, Assistant Professor

Jeffrey Wagner, Professor


Department of English

Cecilia Alm, Associate Professor


A.J. Caschetta, Principal Lecturer


Robert D Glick, Associate Professor


Trent Hergenrader, Assistant Professor


**Published Game, Application or Software:** Hergenrader, Trent. Collaborative Worldbuilding Deck. Game. MAGIC Spell Studios. 2018.


Laura A Shackelford, Associate Professor


Michael J Brown, Assistant Professor


Tamar Carroll, Associate Professor


Michael S Laver, Associate Professor


Richard Newman, Professor

Corinna Schlombs, Assistant Professor


Department of Modern Languages and Cultures

Zhong Chen, Assistant Professor


Peer Reviewed/Juried Poster Presentation: 

Elisabetta D'Amanda, Principal Lecturer


Department of Performing Arts and Visual Culture

Juilee Decker, Associate Professor


Peer Reviewed/Juried Poster Presentation: 

Rebecca J DeRoo, Associate Professor


National/International Competition Award 

Michael E Ruhling, Professor


Department of Philosophy

Silvia Benso, Professor


Department of Political Science

Nathan Dinneen, Associate Professor


Department of Psychology

Caroline M DeLong, Associate Professor


Nicholas DiFonzo, Professor


John Edlund, Associate Professor


Stephanie A Godleski, Assistant Professor


Suzanne B Graney, Associate Professor

**Peer Reviewed/Juried Poster Presentation:**


**Rebecca Houston, Assistant Professor**


**Lindsay S Schenkel, Associate Professor**


**Peer Reviewed/Juried Poster Presentation:**
Gray-Nixon, Tamara, Suzanne M Bamonto, and Lindsay S Schenkel. "Emotion Recognition and Psychosocial Functioning in Youth with Bipolar Disorder." Proceedings of the National Association for School Psychologists. Ed. NASP. Chicago, IL: n.p.. *


**Peer Reviewed/Juried Poster Presentation:**

**Tina M Sutton, Assistant Professor**


**Peer Reviewed/Juried Poster Presentation:**
Christine Keiner, Associate Professor


Qing Miao, Assistant Professor


Hang R Na


Jessica W Pardee, Associate Professor


Kaitlin Stack Whitney, Visiting Assistant Professor


Kristoffer J Whitney, Assistant Professor


Josephine C Wolff, Assistant Professor


Department of Sociology and Anthropology

Jeffrey Burnette, Assistant Professor


Conerly Casey, Associate Professor


Christine Kray, Associate Professor


David C Meiggs, Assistant Professor


Uli Linke, Professor


**Chester F. Carlson Center for Imaging Science**

**Charles Bachmann, Associate Professor**


**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**

**Published Conference Proceedings:**

**Roger Easton Jr, Professor**


**James A. Ferwerda, Associate Professor**


**Peer Reviewed/Juried Poster Presentation:**

**Richard K. Hailstone, Associate Professor**


Joseph Hornak, Professor


Emmett Ientilucci, Assistant Professor


Christopher Kanan, Assistant Professor

SUSAN FARNAND IS AN ASSISTANT PROFESSOR IN THE PROGRAM OF COLOR SCIENCE IN THE COLLEGE OF SCIENCE. HER RESEARCH INTERESTS CENTER AROUND HUMAN VISION AND PERCEPTION AND COLOR SCIENCE. HER CURRENT PROJECTS SPAN A RANGE OF VISION SCIENCE, IMAGING SCIENCE, AND COLOR SCIENCE APPLICATIONS INCLUDING 3D PRINTING, INDIVIDUAL DIFFERENCES IN ELECTRONIC DISPLAY PERCEPTION, EYE-TRACKING, VISION HEALTH, SMARTPHONE IMAGING, AND CULTURAL HERITAGE REPRODUCTION.

In the area of human color perception, current projects include two with PhD student Matt Ronnenberg involving 3D printing, a technology which is advancing rapidly from a process for generating single-color prototypes to printing full-color products from a variety of materials. This advancing technology requires increased understanding of the parameters needed to define an appearance gamut for color 3D printed objects. Ronnenberg and Farnand are evaluating the effects of surface structure on color appearance and working to develop a model for determining 3D color differences using deep neural networks.

Another area of human color perception being explored is how individual color vision differences, which can result in colors that match for one observer and being strikingly different for another observer under identical viewing conditions, are manifest on various electronic display technologies. PhD student Hao Xie is working with Michael Murdoch and Susan Farnand to develop a predictive model of individual color vision differences between commercial display pairs, which will allow manufacturers to potentially avoid adverse effects on display calibration, characterization and, ultimately, performance.

Dr. Farnand uses eye-tracking in her research of human perception. Her PhD student Mingming Wang is constructing an automotive simulator centered around an HTC Vive® headset equipped with an eye-tracker, and a car seat and steering wheel to provide an immersive driving experience. A series of specific driving hazards have been designed using the virtual reality 3D engine Unity®. The simulator will be used to investigate how humans gather visual information while negotiating complex driving scenarios. This information will provide a valuable reference for autonomous vehicle companies.

Smartphones are becoming universally available. Dr. Farnand and collaborator Anthony Vodacek are working with PhD student Katherine Carpenter to develop procedures for collecting color information using smartphone captures for improving agricultural applications such as evaluating crop ripeness, documenting the impact of global warming on growing cycle trends, and detecting diseases or insect pests. She is also working with PhD student Anku to evaluate smartphone capture user preferences in color rendition, especially for images containing people, grass, sky, wood, and sand, to provide insights useful in the design and development of cameras and displays for these devices.

Dr. Farnand also has an interest in visual health. Through the course of a retinal detachment and related cataract surgery, she has monitoring the color vision difference between her two eyes. This has now stabilized with the left eye appearing slightly yellowish and the right eye being slightly bluish when used individually under average lighting conditions.

Diabetic retinopathy is a leading cause of blindness. Annual dilated retinal eye exams with an ophthalmologist substantially reducing the risk of blindness. However, many diabetic patients do not have this exam for reasons such as limited access, cost, and inconvenience. Dr. Farnand and collaborators Rajeev Ramchandran (Flaum Eye Institute, University of Rochester) and Christye Sisson (Medical Photography, College of Art and Design), have been supporting teams of engineering, medical photography, industrial design, imaging science, and physics students in projects to design and build a low-cost, portable, non-mydriatic (not requiring pupil dilation) retinal camera.

Dr. Farnand also served as a guide for a team of senior mechanical engineers that researched, designed and constructed two 16th century bookwheels following the basic design of Italian inventor Agostino
Ramelli and using largely period-appropriate materials and modern manufacturing techniques. A bookwheel is a rotating bookcase designed as a way to easily cross reference multiple, often heavy, tomes. The wheels are now displayed at the Cary Graphic Arts Collection at RIT and in the University of Rochester's Rossell Hope Robbins Library in exhibits designed by a Museum Studies student under the guidance of Dr. Juilee Decker.

Finally, Dr. Farnand is working with many others throughout the Institute in efforts, headed by Dr. Mark Fairchild and Dr. Joseph Baschnagel, respectively, to initiate a Minor in Applied Cognitive Neuroscience and to develop a graduate program in Cognitive Science at RIT. These are expected to be fertile areas for opportunities for the study of the brain and mind.

SUSAN FARNAND
ASSISTANT PROFESSOR
COLLEGE OF SCIENCE


**Joel Kastner, Professor**


**John Kerekes, Professor**


David Messinger, Professor


Jeff Pelz, Professor


Carl Salvaggio, Professor


Grover Swartzlander, Professor


Jan van Aardt, Professor
External Scholarly Fellowships/National Review Committee:
11/1/2017 - 12/31/2018
NSF NEON
Amount: 0

External Scholarly Fellowships/National Review Committee:
11/1/2017 - 12/31/2018
NSF NEON
Amount: 0


Anthony Vodacek, Professor

External Scholarly Fellowships/National Review Committee:
8/17/2018 - 8/17/2021
US Department of State, Fulbright Specialist Roster
Amount: ~$5000 for travel costs
Color Science

Mark Fairchild, Professor


Susan Farnand, Assistant Professor


Michael J Murdoch, Assistant Professor

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:

Peer Reviewed/Juried Poster Presentation:


School of Chemistry and Materials Science

Herbert J Bernstein, Research Professor


Christopher Collison, Professor


Christoper J Collison, Professor


Paul A Craig, Professor


Nathan C Eddingssaas, Assistant Professor


Peer Reviewed/Juried Poster Presentation:

Michael L Gleghorn, Assistant Professor


Lea Michel, Associate Professor


Matt Miri, Associate Professor


Kalathur S Santhanam, Professor


Hans F Schmitthenner, Research Associate Professor


External Scholarly Fellowships/National Review Committee:
6/1/2018 - 5/31/2021
NIH - NCI
Amount: $ 474,279
≠

External Scholarly Fellowships/National Review Committee:
9/1/2014 - 5/30/2018
NIH-NCI
Amount: $ 440,000
≠

Gerald Takacs, Professor


Gerald Takacs, Professor


School of Mathematical Sciences

Nathaniel S Barlow, Assistant Professor


Bernard Brooks, Professor
Nathan D. Cahill, Associate Professor


Elizabeth Cherry, Associate Professor


Matthew Coppenbarger, Associate Professor


Michael E Cromer, Assistant Professor


Joshua A Faber, Associate Professor


Raluca Felea, Professor


Jobby Jacob, Associate Professor


Baasansuren Jadamba, Associate Professor


Laura M Munoz, Assistant Professor


Richard O'Shaughnessy, Assistant Professor


Tamas Wiandt, Professor

School of Physics and Astronomy

Mishkatul Bhattacharya, Associate Professor


Scott Franklin, Professor


Edwin Hach, Assistant Professor


Seth Hubbard, Professor


Jeyhan S Kartaltepe, Assistant Professor


**Invited Keynote/Presentation:** Kartaltepe, Jeyhan. "The Role of Mergers in Galaxy Evolution Over Cosmic Time." Birth, life and fate of massive galaxies and their central beating heart,. N/A. Favignana, Italy. 5 Sep. 2018. Conference Presentation.


**Michael Richmond, Professor**


**Andrew Robinson, Professor**


**Robert B Teese, Professor**


**George Thurston, Professor**


**Michael B Zemcov, Assistant Professor**


**Benjamin M Zwickl, Assistant Professor**


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**Gregory Babbitt, Associate Professor**

Feng Cui, Associate Professor


Elizabeth Hane, Associate Professor


Andre Hudson, Professor


Carmody K McCalley, Assistant Professor


Dina Newman, Associate Professor


Susan Smith, Associate Professor


Hyla Sweet, Associate Professor


Anna Tyler, Associate Professor


Leslie Kate Wright, Associate Professor


Golisaano Institute for Sustainability

Architecture

Giovanna Potesta, Assistant Professor


PhD in Sustainability

Roger B Chen, Assistant Professor


Thomas Trabold, Associate Professor


THOMAS TRABOLD IS AN ASSOCIATE PROFESSOR AND DEPARTMENT HEAD IN THE GOLISANO INSTITUTE FOR SUSTAINABILITY. HIS RESEARCH INTERESTS ARE RELATED TO VALORIZATION OF ORGANIC WASTE MATERIALS, WITH A PARTICULAR FOCUS ON FOOD WASTE, AND THE APPLICATION OF FUEL CELLS FOR MOBILE POWER SYSTEMS WITH ULTRA-LOW CARBON EMISSIONS.

Food waste is recognized as a major global problem, with at least 30% of food produced in the U.S. never being consumed by humans. The conventional end-of-life treatment methods fail to utilize the embodied energy and water resources of these materials, and there is now significant interest in developing cost-effective alternatives based on biochemical and thermochemical processes. Dr. Trabold and his students have analyzed the environmental benefits of anaerobic digestion, in which microorganisms convert food waste in the absence of oxygen into biogas comprised mostly of methane (CH4), useful as a renewable replacement for fossil natural gas. Recent research has focused on applying thermochemical processes of gasification and pyrolysis, whereby food waste is processed at 500–800°C under reduced oxygen conditions to yield hydrogen-rich syngas and a solid carbon material called “biochar”, suitable as a sustainable fertilizer or adsorption medium. The recently published book Sustainable Food Waste-to-Energy Systems, co-edited by Trabold and Dr. Callie Babbitt, presents various food waste conversion technologies, as well as environmental, economic and policy analyses of these systems.

The other part of Dr. Trabold’s research program involves mobile fuel cell systems that combine hydrogen with oxygen from the air to produce electrical power. By using high-temperature proton exchange membrane (HT-PEM) fuel cell materials such as polybenzimidazole doped with phosphoric acid, the fuel cell can run at temperatures up to 200°C with tolerance for high levels of carbon monoxide. This approach avoids the need for ultra-pure hydrogen, and enables use of readily available hydrocarbon fuels as a hydrogen source. We are now using this technology to develop a fuel cell power plant for unmanned aerial systems (UAS) that may have performance and durability advantages over small internal combustion engines and batteries.

Dr. Trabold’s research prior activities have had a strong application focus, resulting in over 50 U.S. and international patents. Recent Ph.D. dissertation projects have produced patent applications for a compact fuel cell systems based on an integrated propane reformer and HT-PEM fuel cell stack, and novel printing inks using biochar as a sustainable replacement for carbon black. Future research will contribute to fuel cells that run on renewable hydrogen derived from waste biomass resources, to ultimately develop energy systems that minimize cost and net greenhouse gas emissions.

THOMAS A. TRABOLD
ASSOCIATE PROFESSOR AND DEPARTMENT HEAD
GOLISANO INSTITUTE FOR SUSTAINABILITY

PHOTO BY:
ELIZABETH TORGerson-LAMARK
UNIVERSITY PHOTOGRAPHER


Eric Williams, Professor


External Scholarly Fellowships/National Re- view Committee:
8/1/2018 - 9/31/2019
Ford Motor Company
Amount: $20000
≠

External Scholarly Fellowships/National Re- view Committee:
1/1/2019 - 12/31/2021
National Science Foundation
Amount: $298,713
*
External Scholarly Fellowships/National Review Committee:
7/1/2018 - 6/30/2021
National Science Foundation
Amount: $295,105

Research Centers

Nabil Nasr, Professor


Nenad Nenadic, Research Associate Professor

International Campuses

**RIT Dubai**

**Wael Abdel Samad**


**Sanjay S Modak**


**Jonathon Penny**


Salman Pervaiz


WAEL A. SAMAD IS AN ASSISTANT PROFESSOR OF MECHANICAL ENGINEERING AT RIT’S CAMPUS IN DUBAI. HIS MAIN RESEARCH INTERESTS LIE IN THE DEVELOPMENT OF HYBRID APPROACHES FOR THE ASSESSMENT AND CHARACTERIZATION OF MECHANICAL STRUCTURES.

Dr. Samad’s scholarly work focuses primarily on Hybrid Mechanics and Composite Materials. More specifically, his research in this field is situated in three subcategories: i) structural analysis of sandwich composite materials, ii) hybridizing thermographic experimental data and iii) numerical modeling of paper-based honeycomb constructions. The research Dr. Samad’s group is most recently working on is in collaboration with the Institut Pascal in France, where the objective is to couple analytical stress functions with experimental thermoelastic data for a better understanding of the underlying state of stress in different granular stacking scenarios. Preliminary results of this work are scheduled to be presented at the Society of Experimental Mechanics’ annual meeting in Reno, NV in June 2019.

Aside from his research group’s primary track, Dr. Samad has taken on the topic of smart cities in effort to align some of his scholarly work with RIT-Dubai’s vision and newly established City Science graduate program. Dr. Samad’s work in this area culminated in co-organizing a 3-day workshop on the subject with the Gulf Research Center Cambridge held at the University of Cambridge, UK. The workshop, titled “Smart Cities in the Gulf: Current State, Opportunities, and Challenges”, which attracted academics and practitioners from various disciplines, investigated the challenges, opportunities and frameworks in the implementation of smart cities in the gulf region. A book comprising extended versions of papers presented at the workshop is now out and available by Palgrave Macmillan, 2019.

Dr. Samad has more than thirty publications including journal articles, conference proceedings, technical reports and an edited volume. He is currently the vice-chair of the Thermomechanics and Infra-Red Imaging technical division of the Society of Experimental Mechanics.

WAEL A. SAMAD, PHD
ASSISTANT PROFESSOR
MECHANICAL ENGINEERING
RIT DUBAI
Biomedical Engineering

Vinay V Abhyankar, Assistant Professor


Jennifer L Bailey, Senior Lecturer


Thomas R Gaborski, Associate Professor


Blanca H Lapizco-Encinas, Associate Professor


RAY PTUCHA IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF COMPUTER ENGINEERING IN THE KATE GLEASON COLLEGE OF ENGINEERING. HIS MAIN RESEARCH INTERESTS LIE IN MACHINE LEARNING, COMPUTER VISION, ROBOTICS, AND IMAGE SCIENCE, ALL WITH AN EMPHASIS IN DEEP LEARNING.

Thanks primarily to advances in deep learning, we are entering what many argue is the 4th industrial revolution, where the line between silicon and carbon or computer and living organisms blur. This revolution is evolving at an exponential pace, with no historical precedent, disrupting almost every industry. Dr. Ptucha loves deep learning theory, and is committed to using this amazing technology such that our children will have a greater quality of life improvement than any prior generation.

Dr. Ptucha is the founder and director of the Machine Intelligence Laboratory (MIL). His research has broken down barriers between vision and language, developed advanced attention and acoustic models, introduced new context-based video understanding architectures, and developed advanced human-computer interfaces. He has learned methods to take multimodal concepts from audio, image, and written text into a common vector space where similar concepts lie near, dissimilar concepts far. The MIL has introduced a technique called Graph-CNN which can apply filtering and pooling operations on high dimensional graphs, enabling deep learning to be applied to generic graph tensors such as chemical structures and LiDAR point clouds. The MIL is using adversarial techniques to develop ground-breaking data augmentation methods where the computer learns statistical bounds of a data distribution, and then fantasizes new samples which a secondary computer program feel are real. These techniques are currently being used to preserve the culture of Seneca, an endangered Native American heritage by performing speech recognition from Seneca elders.

At the root of Dr. Ptucha’s love for engineering is robotics. He has developed an autonomous wheelchair driven by voice commands, is a co-PI on a team that is training manufacturing robots and fork lifts to efficiently and safely exist with humans on warehouse floors, and has been leading the autonomous golf cart project (shown above) for the last five years.

Dr. Ptucha received his Ph.D. from GCCIS in 2013 where upon his gradation he received the honorable best doctoral dissertation award in 2014. He is an NSF Graduate Research Fellow, NVIDIA Deep Learning Instructor, has been awarded over 30 US patents and over 80 peer reviewed publications. He is the Chair of the Rochester Signal Processing Society and is a staunch supporter of FIRST robotics and STEM curriculums.

RAY PTUCHA
ASSISTANT PROFESSOR
KATE GLEASON COLLEGE OF ENGINEERING

PHOTO BY:
ELIZABETH TORGERSON-LAMARK
UNIVERSITY PHOTOGRAPHER


Michael S Richards, Assistant Professor


Chemical Engineering

Anju R Gupta, Assistant Professor


External Scholarly Fellowships/National Review Committee:

9/1/2019 -
8/31/2021
American Chemical Society Petroleum Research Fund New Directions Grant
Amount: 110,000

Brian Landi, Professor


Poornima Padmanabhan, Assistant Professor


Reginald E Rogers, Associate Professor


Steven Weinstein, Professor


Computer Engineering

Raymond W Ptucha, Assistant Professor


Electronic and Microelectronic Engineering

Mark A Indovina, Lecturer


Santosh Kurinec, Professor


E Lyshevski, Professor


Industrial and Systems Engineering

Patricia A Cyr, Lecturer


Marcos Esterman, Associate Professor


Michael Kuhl, Professor


Katie T McConky, Assistant Professor


Ehsan Rashedi, Assistant Professor
Iris Rivero, Professor


Brian Thorn, Professor


Stephen Boedo, Professor


Alfonso Fuentes Aznar, Associate Professor


Mechanical Engineering

Margaret Bailey, Professor


Hany Ghoneim, Professor


Amitabha Ghosh, Professor


Surendra Gupta, Professor


**Edward C Hensel Jr., Professor**

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**


**Peer Reviewed/Juried Poster Presentation:**


**Patricia Iglesias Victoria, Associate Professor**


**Satish Kandlikar, Professor**


Kathleen Lamkin-Kennard, Associate Professor


Kate N Leipold, Senior Lecturer


Risa Robinson, Professor


Invited Keynote/Presentation: Robinson, R. J. "Understanding the Quantitative Relationship

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**

**Peer Reviewed/Juried Poster Presentation:**


American Sign Language and Interpreting Education

Robyn D Dean, Assistant Professor


**Invited Keynote/Presentation:** Dean, Robyn K. "PBL Approach for Community Interpreters." International Association of Problem-Based Learning and Active Learning Methodologies. International Association of Problem-Based Learning and Active Learning Methodologies. Santa Clara, CA. 5 Feb. 2018. Conference Presentation. *


**Grants:** Dean, Robyn K., Robert Q Pollard, and Vincent Samar (2018-2018). Out of the Hot Seat, into the Hot Seat: The Cognitive Effects of a No Rest Approach to Team Interpreting. Grant received/funded by Scholarship Portfolio Development Initiative, RIT. *


Joseph C Hill, Assistant Professor


**Kim Kurz, Associate Professor**


DR. TRUSSELL’S BELIEF THAT ALL INSTRUCTORS ARE READING TEACHERS IS THE FOUNDATION FOR HER RESEARCH AGENDA INVESTIGATING EFFECTIVE CONTENT-AREA (MATH, SCIENCE, OR SOCIAL STUDIES) READING INSTRUCTIONAL STRATEGIES. HER PH.D. IN EDUCATING STUDENTS WITH EXCEPTIONALITIES FOCUSED ON READING AND WRITING INSTRUCTION FOR DEAF AND HARD OF HEARING (DHH) LEARNERS WAS AWARDED IN 2014 BY GEORGIA STATE UNIVERSITY WHERE SHE BEGAN HER RESEARCH ON THE IMPORTANCE OF TEACHING LATIN AND GREEK AFFIXES AND ROOTS TO ENHANCE CONTENT-AREA VOCABULARY INSTRUCTION. IN 2015, DR. TRUSSELL ACCEPTED AN ASSISTANT PROFESSOR POSITION AT RIT/NTID AND JOINED THE CENTER FOR EDUCATION RESEARCH PARTNERSHIPS.

Dr. Trussell is a certified teacher of the DHH with twelve years of experience teaching DHH students from age four to adulthood. She conducts her research in K-12 and NTID classrooms with DHH readers of all grade-levels and ages. At the preschool level, Dr. Trussell has developed an emergent evidence-base supporting the use of questioning during storybook reading to increase DHH preschooler’s vocabulary knowledge. At the late-elementary, secondary, and post-secondary level, her research supports teaching word parts to increase older DHH reader’s general, science, and social studies vocabulary knowledge. During her time at NTID/RIT, her research program has grown to include reading comprehension instructional strategies, such as prediction and summary writing. In the summer of 2019, she will continue investigating effective reading comprehension strategies for DHH readers as co-director of the Summer Transition Education Program at NTID.

Dr. Trussell’s long-term goal is to inform the field of deaf education about effective vocabulary learning and reading comprehension instructional interventions to support DHH students’ reading skills thereby increasing their opportunity to engage in science, technology, engineering, and math graduate studies and careers.

JESSICA W. TRUSSELL, PH.D.
ASSISTANT PROFESSOR
NATIONAL TECHNICAL INSTITUTE FOR THE DEAF


**Jason D Listman, Assistant Professor**


**Cultural and Creative Studies**

**Joseph Bochner, Professor**


**Catherine Clark, Associate Professor**


**Patricia A Durr, Associate Professor**

**Shows/Exhibits/Installations:** Durr, P. For Far Too Long. 22 Jun. 2018. 50 Years 50 Artists, Dyer Arts Center, Rochester. Exhibit. £

**Shows/Exhibits/Installations:** Durr, P. On ne voit bien qu’avec le cœur. 22 Jun. 2018. 50 Years 50 Artists, Dyer Arts Center, Rochester. Exhibit. £


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**Luane Haggerty, Principal Lecturer**


**Shows/Exhibits/Installations:** Ph.D., Luane Davis Haggerty.. Director, translator, writer, performer. By Malik Paris and Danica Zielinski. 21 Sep. 2018. The Little Theater #5, Rochester NY. Performance. ≠

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**Deirdre Schlehofer, Associate Professor**


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**Engineering Studies**

**Dino J Laury (Lauria), Assistant Professor**


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**Information and Computing Studies**

**Donna Lange, Associate Professor**


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**James Mallory, Professor**

Joseph Stanislow, Assistant Professor


Liberal Studies

Janine M Butler, Assistant Professor


Matthew W Dye, Assistant Professor


Manuscripts Submitted for Publication: Stoll, Chloe and Matthew Dye. "Sign language acquisition redistributes attentional resources to the inferior visual field in deaf, but not hearing, adults." 2018. TS - typescript (typed). *


Vincent J Samar, Professor


Pamela Kincheloe, Associate Professor


External Scholarly Fellowships/National Review Committee:
1/0/2018 -
12/0/2018
CCC
Amount: 0

Invited Article/Publication: Kincheloe, Pamela. "“A Quiet Place” Falls into Tired Trope About Deafness." Huffington Post. (2018). Web. Δ

National Technical Institute for the Deaf
Ruth Anna Spooner, Lecturer


Christopher Kurz, Professor


**Grants:** Kurz, Christopher, John Henner, and Jeanne Reis (2017-2022). Examining the impact of American Sign Language content delivery interventions on deaf and hard of hearing students' STEM learning outcomes and self-efficacy.". Grant proposal submitted to NSF, ECR. ≠


Ila Parasnis, Professor

**Sara Schley, Professor**


**Michael E Skyer, Senior Lecturer**


**Manuscripts Submitted for Publication:** Skyer, Michael E. "Bodies in Dependence: Foucauldian Genealogy of the Americans with Disabilities Acts." 15 Nov. 2018. TS - typescript (typed). *


**Michael Stinson, Research Associate Professor**

Jessica W Trussell, Assistant Professor


**Grants:** Nordhaus, Jason and Jessica W. Trussell (2018-2023). Lost in Translation: Removing the Most Significant Barrier Preventing Deaf participation in STEM. Grant proposal submitted to Special Projects, Moore Foundation. ≠

Mel Chua

**Published Game, Application or Software:** Lerner, Miriam, et al. ASLCore Engineering and Computer Science Branches. Software. NTID. 2018.


Lisa Elliot, Research Associate Professor


Robert Pollard, Professor


Scott R Smith, Research Associate Professor


Office of the President

Stephen F Aldersley, Professor


Wendy Dannels, Research Associate Professor


Marc Marschark, Professor


**Kathryn Schmitz, Associate Professor**


**Science and Mathematics**

**Austin Gehret, Associate Professor**


Bonnie Jacob, Assistant Professor


Grants: Jacob, Bonnie (2017-2020). Summer Undergraduate Research for Students who are Deaf or Hard-of-Hearing in Applying Mathematical and Statistical Methods to Problems from the Sciences (REU@NTID). Grant received/funded by NSF REU Site, NSF.


Viet Q Le, Assistant Professor


Matthew Lynn, Associate Professor


Keith Mousley, Associate Professor


Jason T Nordhaus, Assistant Professor


Todd Pagano, Professor


External Scholarly Fellowships/National Review Committee:
11/14/2017 - 12/8/2017
U.S. Dept. of State's Bureau of Educational & Cultural Affairs
Amount: 10,000 £

External Scholarly Fellowships/National Review Committee:
1/12/2017 - 1/30/2017
Erasmus Mundus
Amount: 10,000 £

External Scholarly Fellowships/National Review Committee:
5/1/2018 - 5/1/2018
Royal Society of Chemistry
Amount: 0
£


Grants: Jacob, Bonnie, Jason Nordhaus, and Todd Pagano (2018-2020). Summer Undergraduate Research for Students who are Deaf or Hard-of-Hearing in Applying Mathematical and Statistical Methods to Problems from the Sciences. Grant received/funded by Research Experiences for Undergraduates (REU), National Science Foundations. *


Annemarie Ross, Associate Professor


David C Templeton, Associate Professor


Visual Communications Studies

Paula Grcevic, Professor


Shows/Exhibits/Installations: Kunsman, Eric T. Thou Art..., Will Give... 8 Nov. 2018. Lane Community College, Eugene, WA. Exhibit.


External Scholarly Fellowships/National Review Committee:
3/2/2018 - 3/2/2018
Society for Photographic Education
Amount: 0

External Scholarly Fellowships/National Review Committee:
Society for Photographic Education
Amount: 0


National/International Competition Award Winner: Kunsman, Eric T. Click Photo Fest. 1 of 20 International Photographers selected for the class of 2018. Durham, NC, 2018. *


**Shows/Exhibits/Installations:** Kunsman, Eric T. States of Disrepair. 2 Nov. 2018. Mulberry Art Studios, Lancaster, PA. Exhibit. *

**Shows/Exhibits/Installations:** Kunsman, Eric T. Cultivating Connections: Growing Communities in the Flower City. 2 Nov. 2018. Dyer Arts Center, NTID, Rochester, NY. Exhibit. *

**Shows/Exhibits/Installations:** Kunsman, Eric T. Developed Work. 27 Oct. 2018. Midwest Center for Photography, Wichita, KS. Exhibit. *

**Shows/Exhibits/Installations:** Kunsman, Eric T. Out in the Street. 21 Sep. 2018. Muzeumm & The Venice Institute of Contemporary Art ViCA, Los Angeles, CA. Installation. *


**Shows/Exhibits/Installations:** Kunsman, Eric T. The State of America. 27 Jan. 2018. Photo-Place Gallery, Middlebury, VT. Exhibit. *


**Shows/Exhibits/Installations:** Kunsman, Eric T. Pushing 40. 15 Sep. 2018. Ellarslie Trenton Museum, Trenton, NJ. Exhibit. *


Sidonie M Roepke, Professor


Michael J Voelkl, Associate Professor


Accounting

Archana Jain, Assistant Professor


Ke-an Wu, Assistant Professor


Economics

Steven C Gold, Professor


Finance

Rong Yang, Associate Professor


Chun-keung Hoi, Professor


Hao Zhang, Associate Professor


Management

Steven Carnovale, Assistant Professor


Clyde Hull, Professor


Shal Khazanchi, Professor


A Erhan Mergen, Professor


AS A DATA SCIENTIST AND BUSINESS ANALYTICS RESEARCHER IN INFORMATION SYSTEMS AREA, DR. YU ALWAYS CONSIDERS THE NATURE OF INFORMATION SYSTEMS IS, IN ESSENCE, HELPING PEOPLE MAKE DECISIONS MORE EFFICIENTLY. HIS CURRENT RESEARCH FOCUS ON EXPLORING BIG DATA TECHNOLOGY TO REDUCE INFORMATION OVERLOAD AND TO SUPPORT THE PROCESS OF DECISION MAKING.

In a recent research project, Dr. Yu and colleagues are forecasting survivorship of startups through social network analysis. The research team collected and rebuilt a huge network includes thousands of startups' Twitter account and millions of tweet/retweet/friend/follower relationships among them. The results show the startup centrality in a global network adversely affects its survivorship and venture capital investment received. In the meanwhile, the centrality within the startup tribe network has a positive impact in terms of less likelihood to announce bankruptcy, longer survival, and more venture capital investment received. The findings have valuable implications for VCs since they could use the identified network positions as a cue to infer startup performance and make decision better.

Measurements of relatedness have been a central building block for research in different business disciplines. However, extant measurement approaches depend too much on noisy classification systems, have strong data requirements, or resort to time consuming primary data collection and analysis. Thus, a lower cost approach is valuable for both academy and industry. In one of projects, Dr. Yu and his coauthors tested and proposed a general method to measure relatedness from unstructured texts based on Word2vec neural network language models. They then presented four empirical tasks that demonstrated the proposed method’s ability to classify, measure, and predict directly from unstructured texts. Moreover, results showed that the approach can link across unstructured data from different sources. The empirical findings suggest it is a highly feasible approach to utilize the increasingly available unstructured data or for situations where access to reliable secondary data might not be available. This project thus contributes to the literature on relatedness measurement, and offers an AI based method to expand the research into understudied empirical settings.

Given that information technologies have reshaped the landscapes of various industries, Dr. Yu and colleagues are exploring how artificial intelligent and data science facilitate efficient decision-making across disciplines, such as manufacturing, accounting, hospitality, linguistics, medical science, and decision sciences, etc. Dr. Yu has published extensively in prestigious journals such as Decision Support Systems, European Journal of Information Systems, International Journal of Production Research, Communication of the ACM, Journal of Medical Systems, etc.

YANG YU
ASSISTANT PROFESSOR
SAUNDERS COLLEGE OF BUSINESS
Joy Olabisi, Associate Professor


Michael Palanski, Associate Professor


Zhi Tang, Associate Professor


Management Information Systems

Quang N Bui, Assistant Professor


Sean W Hansen, Associate Professor


Qiang Tu, Professor


Yang Yu, Assistant Professor


Marketing

Sorim Chung, Assistant Professor


Deborah Colton, Associate Professor


Neil Hair, Associate Professor


Invited Article/Publication: Hair, Neil. "Exploring Online Students’ Perceptions of Website Customer Experience." Online Learning Consortium
School of Individualized Study

Daniel W Worden, Associate Professor


External Scholarly Fellowships/National Review Committee:
8/1/2018 - 8/30/2018
Lucy Shelton Caswell Research Award, Billy Ireland Cartoon Library & Museum, The Ohio State University
Amount: $2500 £


Daniel Worden’s recent publications, grants, and conference presentations are all a part of three larger research projects. The first is a book-length work about documentary aesthetics across media, and how documentary forms have represented neoliberal tactics such as privatization, criminalization, and dispossession. The second is an edited volume about the comics of Robert Crumb, one of the most iconic and controversial cartoonists of the 20th and 21st centuries. This volume will seek to provide the first comprehensive, well-rounded account of Crumb’s comics, his role in the art world, and the thorny political and social dimensions of his work. Finally, he is at work on a new book-length project that seeks to document the connections, both literal and thematic, between the modern medium of comics and modern energy culture, consolidated around petroleum.

Daniel Worden values the ability to write not just for academic venues, but also for broader public sites as well. In 2018, he co-curated an exhibit of the comics art of RIT alum Adam Kubert, at RIT’s Cary Graphic Arts Collection, and he continued to write for the Los Angeles Review of Books. Ranging from comics studies and cultural studies, to economic policy and climate change, Daniel Worden strives to make visible how the humanities can contribute not just to academic understandings of our time, but also to public conversations about what matters to us today.

DANIEL WORDEN
ASSISTANT PROFESSOR
SCHOOL OF INDIVIDUALIZED STUDY