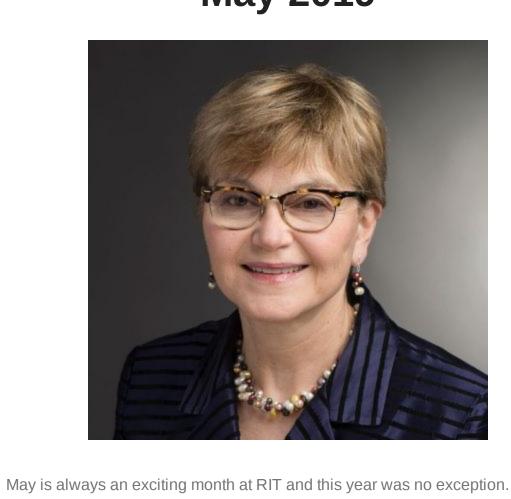
May 2019

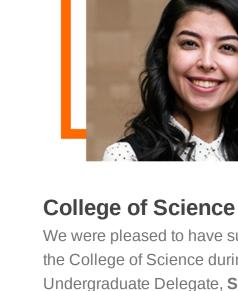


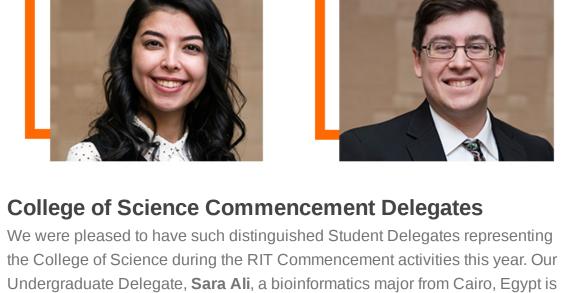
Students, faculty and staff alike enjoyed the successful completion of exams and final projects and eagerly anticipated the change of pace that comes with the end of the academic year. It was rewarding to watch our graduates walk across the stage at commencement and to celebrate their accomplishments with family and friends as these new graduates embark on a journey to improve our world. We are all eager to hear stories of their adventures in the coming years. The next Dean's Bulletin will be published in August summarizing our summer accomplishments. You can still keep up with all of the adventures of our COS

family though social media accounts on <u>Facebook</u> - @RITCollegeofScience and on Instagram - @RITScience. I am grateful for all that we have accomplished together this past year. We have much to be proud of! Best wishes to all for a productive and restful summer with

plenty of time to enjoy your family and friends! SOPHIA MAGGELAKIS Dean, RIT College of Science

Student & Alumni News





the recipient of numerous awards and a scholarship from the United States Agency for International Development (USAID) Egypt Higher Education Initiative. Sara completed an internship as a research assistant at the University of Rochester Medical Center, where she worked on a clinical trial for HIV. She also interned at CentriVision, Nile University and BioWorks. Last year Sara created a mobile website called WalkDontRun. She won first place in the Most Technically Difficult Project category at RIT's WicHack2018 for the site. Sara plans to pursue a Ph.D. in software development and biology. Our Graduate Delegate, Kevin C. Cooke, from Green Township, NJ, graduates with a Ph.D. in astrophysical sciences and technology. He also holds a BS in astrophysics from Lehigh University. Kevin's professional experience includes working as a graduate research assistant and graduate teaching assistant at RIT. He also interned at both NASA's Marshal Space Flight Center and Space Camp in Huntsville, AL. Among his many accomplishments, Kevin also served

Showcase Committee representative (2017 & 2018), and an AST Program Curriculum Committee student representative (2017). Kevin is also the author or co-author of five peer-reviewed publications. Read More > $R \cdot I \cdot T$

as RIT's Graduate Student Advisory Council co-chair (2017), Graduate



• Emma Snyder – Biochemistry

• Ethan Burroughs – Computational Mathematics Congratulations to all of our 2019 Research Scholars! **Chester F. Carlson Center for Imaging Science:** Sheela Ahmed, Elizabeth Bogart, Kevin Kha, Sophia Kourain, David Lewis,

Rachel Shadler, Madeline Wolters **School of Chemistry & Materials Science:**

William Charbonneau, Sara Cobb, Megan Detwiler, Damien Dobson, Yang Goh, Cameron Isaac, Matthew Jackson, Zexuan Maria Jia, Kelsea Jones, Daniel Knappenberger, Alexander Knowles, Ciara LaClair, Samantha Lauro,

Minh Le, Meghan O'Neil, Nicole Pannullo, Joseph Race, Emma Snyder, Daniel Verrico **School of Mathematical Sciences:** Kylie Pleakis, Meaghan Hoitt, Nicholas Wilkins, Ethan Burroughs, Nathan Holt

School of Physics & Astronomy: Elyse Rood, Noah Reuter, Kain McCall, David Spiecker Thomas H. Gosnell School of Life Sciences: Milky Abajorga, Guy Azriel, Molly Border, Meghan Buldo, Nicholas Burns, Briana Burt, Adriana Coll De Peña, Katherine Hensel, Gretchen Horst, Jeremy Kane, Adeline Maykish, Sydney VanWinkle, Amanda Weiss

2019 **Excellence in Student Life** The **Excellence in Student Life Award** was founded in 1964 to honor students who represent the guiding principles of Engagement, Scholarship, and

Leadership. For over 50 years, students have been selected for this honor

1 from RIT Kosovo. Special congratulations to our 2 College of Science

Guy Azriel – Double Major: Biotechnology & Molecular Bioscience and

students who were recognized this year:

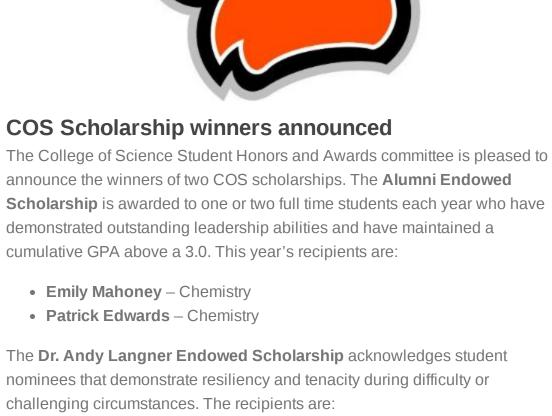
Maryah Glover – Biology

Biomedical Sciences

based on having outstanding GPA's and holding significant leadership positions within RIT related activities. This year, 31 students were honored including 5 students from our global campuses - 2 from RIT Croatia, 2 from RIT Dubai, and

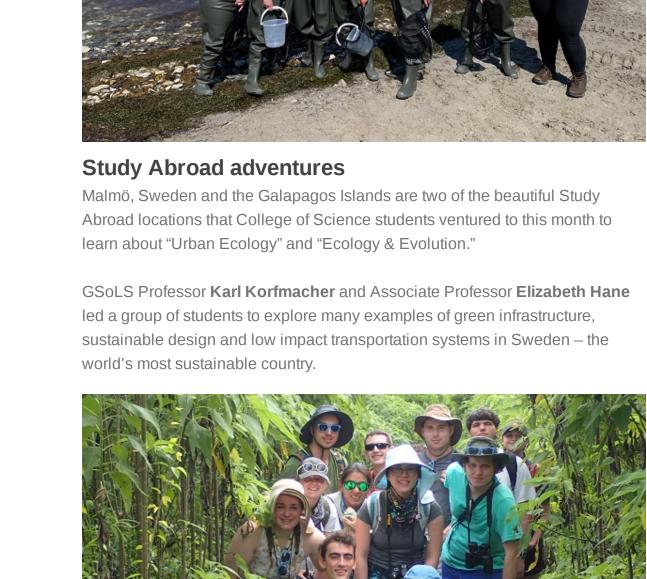
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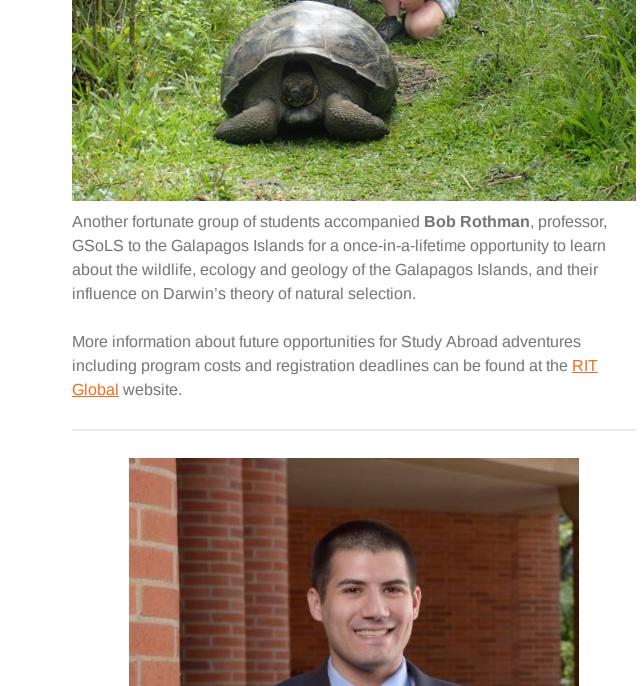




• Spencer Bradshaw – Biotechnology

• Isabella Cox – Physics





initial analysis of real-time sUAS-based detection of grapevine water status in the Finger Lakes wine country of upstate New York." **Our Stories and News**

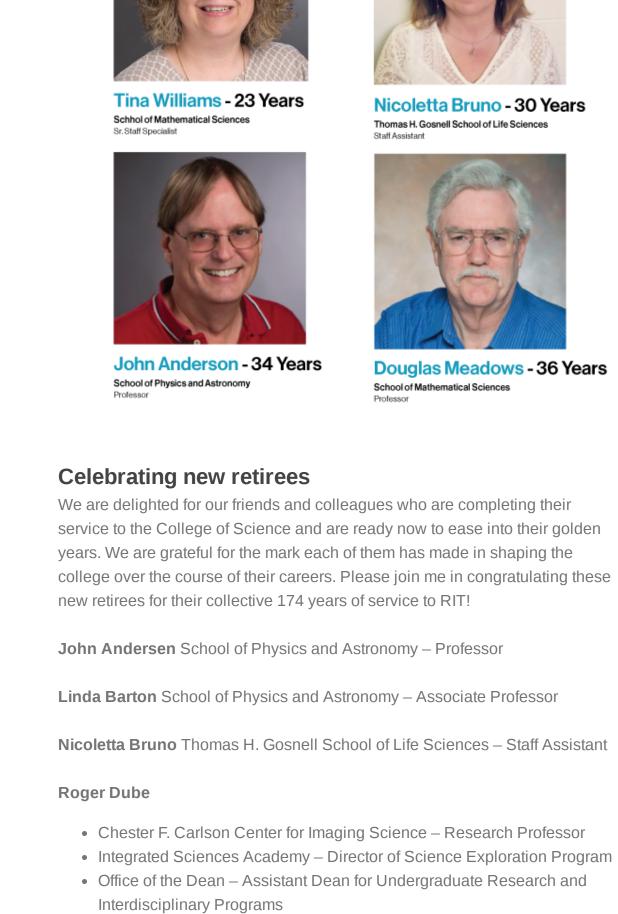
Rinaldo Izzo, an imaging science graduate student, was selected by the chairs

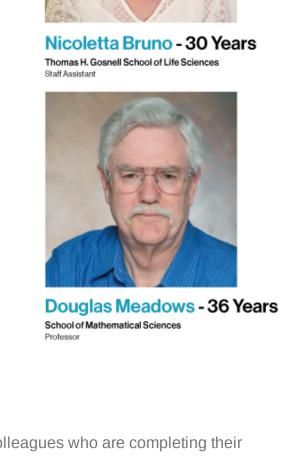
Optimization and Phenotyping as the winner of the Best Paper Award for "An

of SPIE's Autonomous Air and Ground Sensing Systems for Agricultural

Linda Barton - 23 Years Robert Teese - 17 Years School of Physics and Astronomy School of Physics and Astronomy

College of Science Retirees





Roger Dube - 11 Years Chester F. Carlson Center for Imaging Science Research Professor

Integrated Sciences Academy

and Interdisciplinary Programs

Office of the Dean

Illumina Lunch & Learn

Newsmakers

coordinate the event.

The Thomas H. Gosnell School of Life Sciences hosted an informational

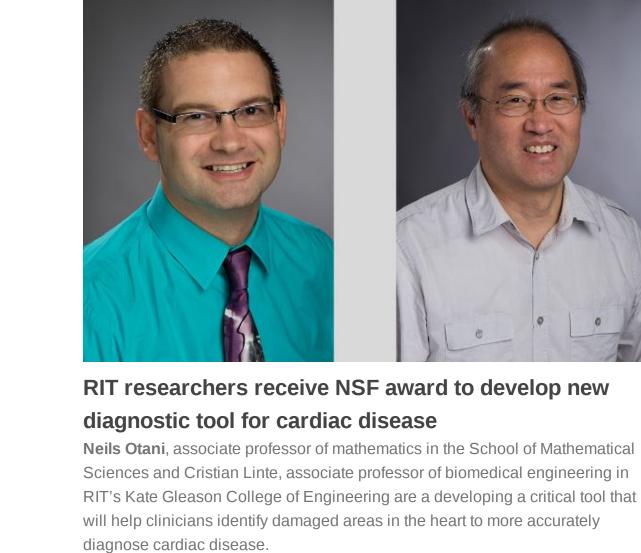
seminar for faculty and staff to learn about incorporating the in-house **Next**

Generation DNA sequencing capabilities into classroom lab and research lab settings. Many thanks to genomics technician **Narayan Wong** for his efforts to

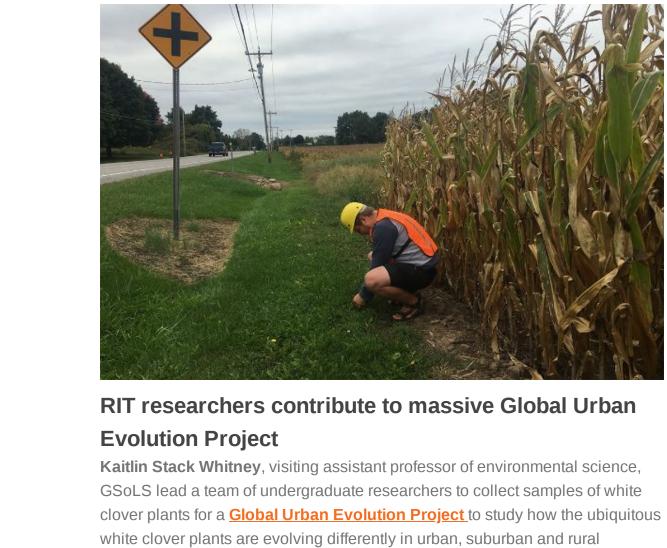
Douglas Meadows School of Mathematical Sciences – Professor

Tina Williams School of Mathematical Sciences – Sr. Staff Specialist

Robert Teese School of Physics and Astronomy – Professor



Read More >



Read more coverage about this project from <u>WXXI news</u> and RIT News and

Read More >

Emmett lentilucci, assistant professor of imaging science, is giving an invited talk at the <u>15th Conference on Education and Training in Optics and Photonics</u>

in Québec, Canada, on May 24. His presentation will highlight the novel

ecosystems.

Events.

activities and educational approaches he takes in RIT's laboratory-based undergraduate radiometry course. Associate Professor **Matthew Hoffman**, director of the applied and computational mathematics MS program, was named as a network member for Northwestern University's Program on <u>Plastics, Ecosystems, and Public Health</u>. **Charles Bachmann**, associate professor in the Chester F. Carlson Center for Imaging Science, and Greg Badura '19 Ph.D. (imaging science) and had a cover article published in the March 2019 issue of the IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (IEEE JSTARS).

Susan Farnand, assistant professor in the color science program, delivered an invited talk titled "Evaluating Colour Quality of Smartphone Images" at the <u>Transactions: Imaging/Art/Science symposium</u> at the University of Westminster in London on April 26. The talk addressed using science to generate aesthetically pleasing images.

The article is titled, "Assessing Effects of Azimuthally Oriented Roughness on

The Center for Computational Relativity and Gravitation's computational

Sponsored Research Carlos Lousto, SMS/CCRG, is the PI on a \$450,000 grant from the National Science Foundation to support the project titled "Fully Relativistic Studies of

Niels Otani, SMS, is the PI on a \$380,503 grant from the National Institutes of Health to support the project titled "Development of a new, filament-base, lowenergy, single-pulse cardiac defibrillation technique."

North Shore News

<u>project</u>

his part in contributing to NASA's new mission to explore the origins of the universe by performing the first near-infrared all-sky spectral survey. Inside Higher Ed **Looking Back on This Year's Classroom Experiments** Sandi Connelly, principal lecturer in the College of Science, talks about the technology-enabled teaching she did this year.

WHAM-TV kills E. Coli Democrat and Chronicle

made by three Rochester Prep High School students working with **Andre Hudson**, professor and department head of the Thomas H. Gosnell School of Life Sciences. Gizmodo Will there ever be new colors that we can see? Mark Fairchild, head of Integrated Sciences Academy and director of the

What Happens when a Raindrop Hits a Puddle? **Nate Barlow**, assistant professor of mathematics, author. The Conversation A new type of laser uses sound waves to help detect weak forces Mishkat Bhattacharya, associate professor of physics and astronomy, author.

(f) (g)

astrophysics group got a new allocation on the Blue Waters supercomputer at the National Center for Supercomputing Applications (NCSA) for 265.6 million core hours. The project is titled "Realistic Accretion Dynamics of Black Hole Binaries Approaching Merger."

Directional Reflectance of Sand."

Michael Zemcov, assistant professor of physics, has been invited to serve on NASA's Sounding Rocket Working Group (SRWG) representing astrophysics. Zemcov will serve for a three-year tour of duty on the committee, which meets twice annually.

Black Hole Binaries with Applications to Gravitational Wave Observations."

COS In the Media

Handsworth grad examines inner workings of outer space with NASA

Assistant Professor Michael Zemcov interviewed by North Shore News for

Local high school seniors, RIT scientists discover 'rare' bacterium that Rochester Prep students publish bacteria research in scientific journal WHAM-TV and the Democrat and Chronicle report on a scientific discovery

Program of Color Science quoted. The Conversation

Optics and Photonics News A "Laser for Sound" from a Levitated Nanoparticle Optics and Photonics News features work by Mishkat Bhattacharya, associate professor in the School of Physics and Astronomy.

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Our mailing address is: College of Science 84 Lomb Memorial Dr