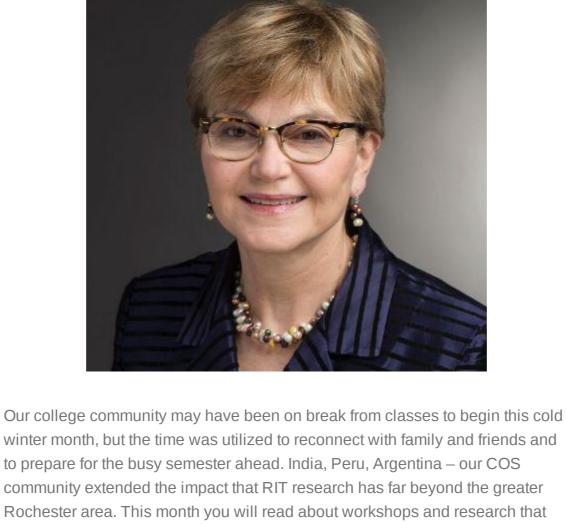
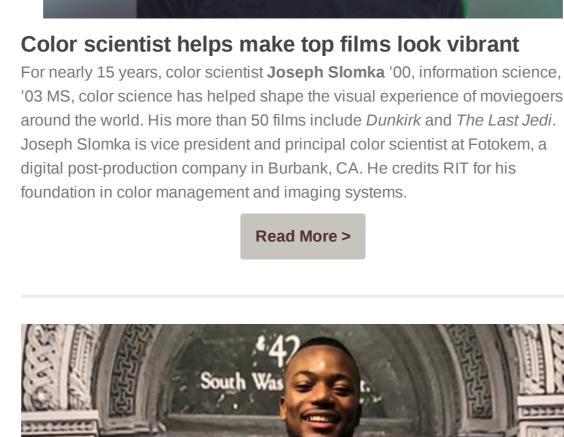
## MONTH IN REVIEW

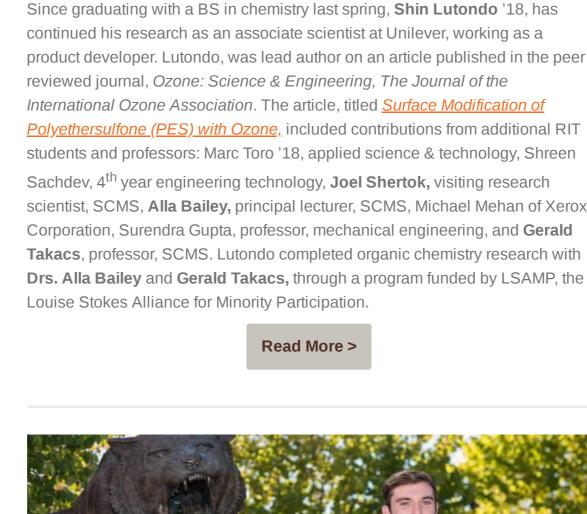


community extended the impact that RIT research has far beyond the greater Rochester area. This month you will read about workshops and research that our faculty are leading locally, nationally, and abroad. And you'll see how the research experience that our students gained in their studies at RIT led to new research networks and important results. We're especially excited about the announcement that our Gosnell School of Life Sciences received a \$1.5 million award from the state of New York to develop the Genomics program. This award will have a significant impact on this emerging program for years to come. SOPHIA MAGGELAKIS Dean, RIT College of Science

**Student & Alumni News** 

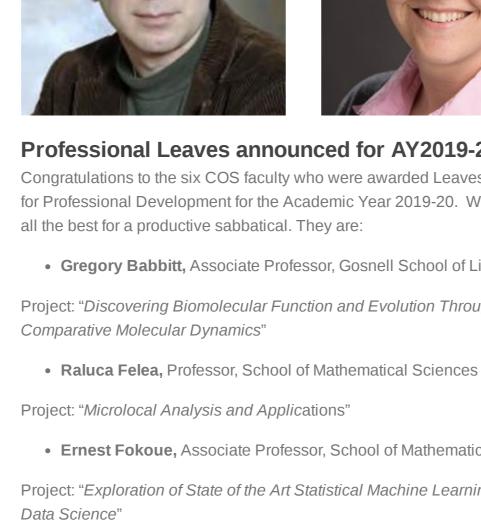


**Chemistry Alumnus and RIT LSAMP Scholar now** published researcher



COS student honored with service award Throughout history, RIT's leaders have shown strong commitment to both the university and the community. These legacies of leadership and service are celebrated in the Alfred L. Davis Public Service Awards including the Bruce R. James '64 Distinguished Public Service Award which was awarded this year to Robert "Bobby" Moakley, fourth year environmental science student and Student Government president. A ceremony to recognize all of the award winners will be held on Wednesday, April 3 at 4:00 in the University Gallery, Booth Hall.

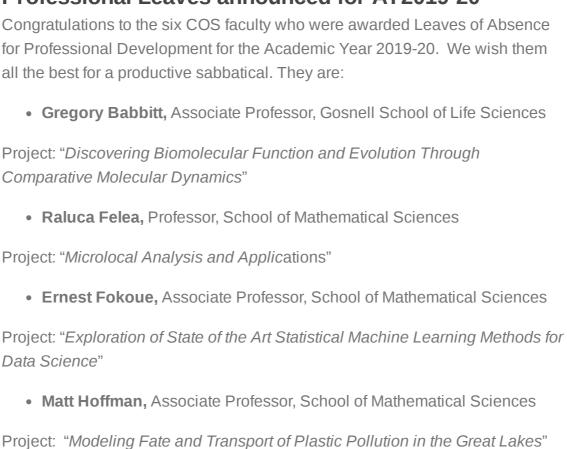
RIT from an international student perspective Nuzhet Nihaar Nasir Ahamed '18 MS, materials science & engineering, and currently enrolled in her first-year in the Microsystems Engineering Ph.D. program at RIT, wrote an article titled At Home on Campus for The Hindu journal about her educational journey and her experience as a student at RIT.

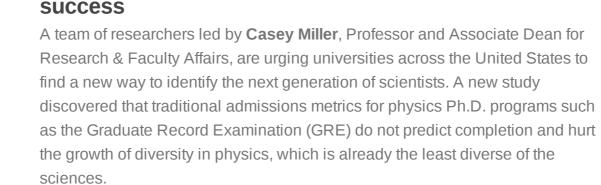


Associate Professor

Project: "Modeling Contact Lens Mechanics"

Sensing Science"





Research indicates: GRE does not predict student

process meaning that the region will be eligible to receive up to \$20 million in additional Empire State Development grant funding to support priority projects. Read More >

New York state backs life science initiative with \$1.5M

Rochester Institute of Technology has received \$1.5 million from the New York

academic programs in the life sciences. The funding was included in the \$86.5 million awarded to the Finger Lakes Regional Economic Development Council.

The Finger Lakes Region was announced as a Top Performer in the review

state Regional Council competition to equip its Genomics Research Lab Cluster, a suite of laboratories aimed at expanding industrial partnerships, commercialization and entrepreneurship activities, talent development and

award



**Faculty Career Development grants announced** 

grants in three of the four areas:

Recipients of four individual grant programs administered by Faculty Career Development in the ILI were announced this past month. These grants help to support professional development activities for adjunct and non-tenure track faculty, faculty mentoring, and leadership development. COS faculty received

Panper s la bienvenida! Imaging Science professors use remote sensing & AI to improve agricultural outcomes in Peru Anthony Vodacek and Jan vanAardt, professors, CIS, visited <u>Danper</u>, an

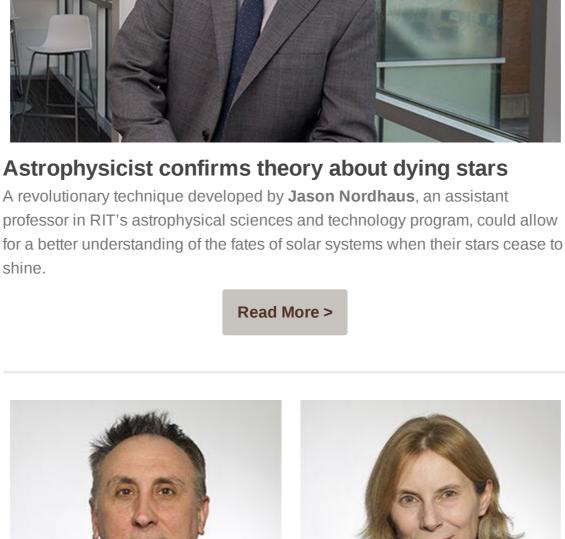
agricultural company in Peru founded by RIT alumna Rosario Bazán to consult about techniques to improve field management and crop monitoring. In addition

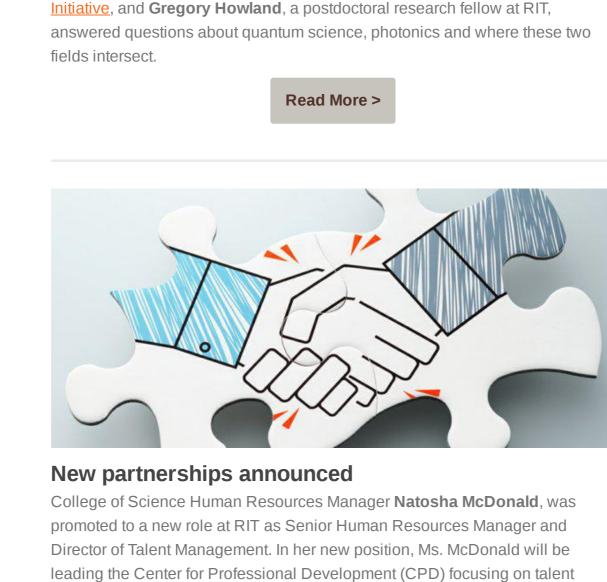
opportunities in the assessment, sorting, and packaging of produce grown and

to assistance in agricultural production, they found potential research

harvested by Danper.

shine.





development which includes traditional learning and development as well as

Our new Human Resources Manager is **JoAnn Howard**. Ms. Howard comes to

including Rochester Regional Health System, Georgia Institute of Technology,

College of Science Senior Communication Specialist, Susan Gawlowicz, are

RIT with a wealth of HR experience from a variety of roles at organizations

and Xerox. Natosha will be assisting with JoAnn's transition effective

Additionally, our RIT University Communications' coverage for COS has changed hands with the introduction of **Luke Auburn**. Luke and longtime

swapping their focus areas: Luke will take over publicity for the College of

organization development, leadership development, and employee

development initiatives and objectives.

immediately.

Future Photon Initiative group hosts workshop

and in enhancing navigation, imaging and other sensing technologies. Scientists and engineers from across the country traveled to RIT for the

sensing and clocks.

Recent advances in quantum science have leapfrogged existing capabilities in handling complex computational problems, providing communication security,

Photonics for Quantum Workshop Jan. 23-25 to discuss quantum technology development in five main applications—computing, communication, imaging,

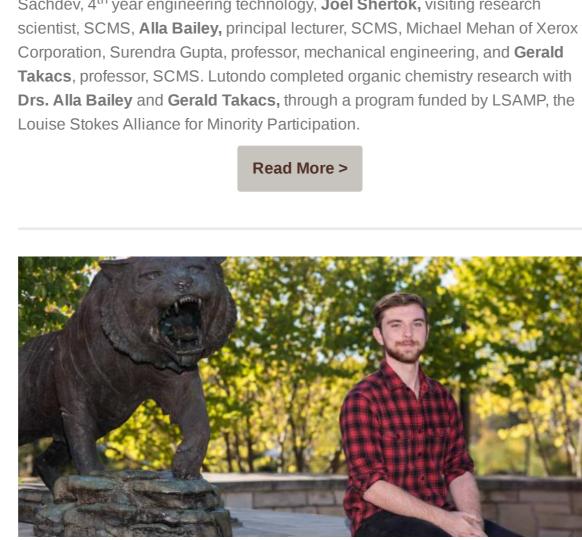
Two of the conference's organizers, **Don Figer**, director of RIT's Future Photon

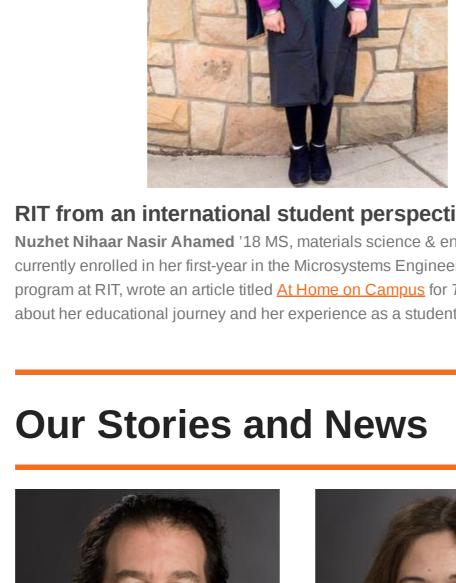
Andreia Cadar, a third-year biotechnology and molecular bioscience student, is third author on a recent publication in Microbiology Resource Announcements. The article is based on research work she completed during an internship at Princeton University. Sydney VanWinkle, a fourth-year environmental science student, was awarded

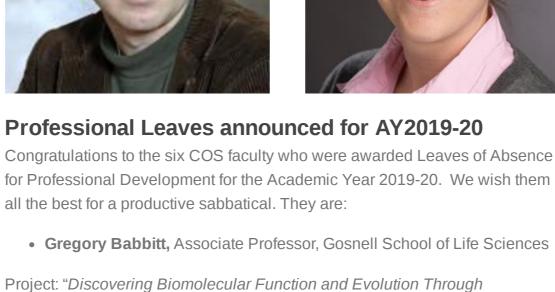
**Newsmakers** 

New Frontiers for Women in Astronomy ICYMI: 'Intersections: The RIT Podcast' Jason Nordhaus, an NTID assistant professor of physics and a program faculty member in RIT's astrophysical sciences and technology Ph.D. program, This Scientist Is Hunting for Planets That Orbit Dead Stars

November 2018 Science Teachers Association of New York State (STANYS)



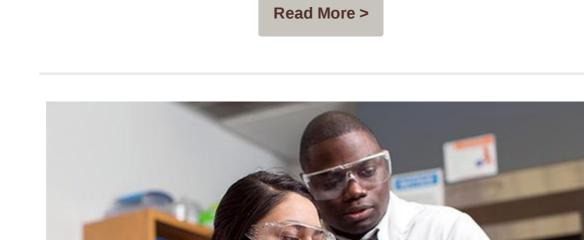


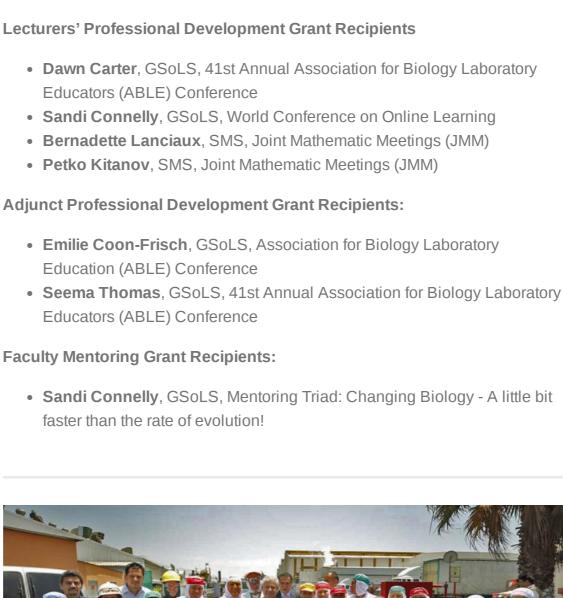


• John Kerekes, Professor, Chester F. Carlson Center for Imaging Science,

Project: "Plan A: Jefferson Science Fellowship, Plan B: Advancing Remote

• Kara Maki, Associate Professor, School of Mathematical Sciences







**CCRG** to collaborate with Argentine Institute to

Rochester Institute of Technology's Center for Computational Relativity and Gravitation (CCRG) and Insituto Argentino de Radioastronomía (IAR) are

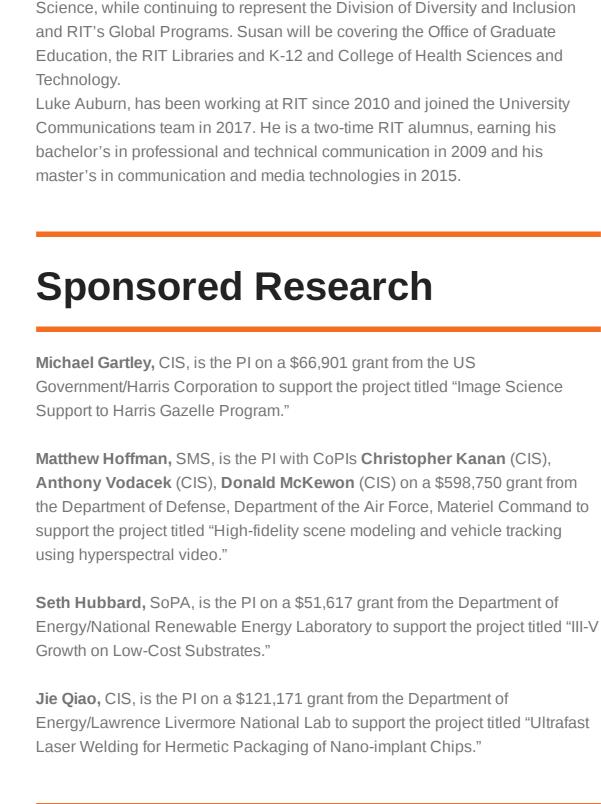
Manuela Campanelli & Carlos Lusto, is helping IAR upgrade its two radio telescopes to get them operational again after decades without use. Already their work together has yielded significant scientific observations including

beginning new systematic pulsar timing studies. The RIT research group, led by

Read More >

upgrade radio telescopes

identifying a new magnetar and a millisecond pulsar.



## automated laboratory and field-portable goniometer used for performing accurate and precise multiangular reflectance measurements," by **Justin D.** Harms '16, Charles M. Bachmann, professor, CIS, Brittany L. Ambeau '17, Jason W. Faulring, Andres J. Ruiz Torres, Gregory Badura '18, and Emily Myers current imaging science Ph.D. candidate, was selected in the category of Photo-Optical Instrumentation and Design.

The SPIE Journal of Applied Remote Sensing honored three groups with Best

Jeyhan Kartaltepe, assistant professor of physics and astronomy and Brittany Vanderhoof, 3rd-year Ph.D. student in astrophysical sciences and technology discuss their career paths, the opportunities and challenges for women in the

sciences and their own efforts to be role models for future generations of

scientists.

featured

**Futurism** 

WROC-TV

Conference.

Edward A. Bouchet Award.

Paper awards, including one from RIT's Center for Imaging Science. "Fully

a scholarship from the Wildlife Habitat Council to attend its annual Conservation Conference in Baltimore Nov. 13-14. At the conference, VanWinkle participated in professional development related to enhancing corporate social responsibility and innovative use of corporate lands for social and environmental benefits. Daniel Wysocki, an astrophysical sciences and technology Ph.D. student,

presented a poster on behalf of the LIGO and Virgo collaboration about properties of the observed black hole population at the Joint Science-Space Institute Gravitational Wave Physics and Astronomy Workshop at the University of Maryland on Dec. 1. Wysocki is one of more than 1,000 authors, including others from RIT, on the corresponding paper published online on Dec. 3.

Tina Chapman DaCosta, Diversity Theatre Program director, featured Adam Interviews Special: Race in Rochester Alla Bailey, principal lecturer, and Gerald Takacs, professor, School of Chemistry and Materials Science, presented the "Clean Energy Generation Using Fuel Cells" summer camp for high school students, which was funded by the Constellation E2 Energy to Educate grant program. RIT's program was featured in a promotional video by Constellation and was displayed at the

of Technology's School of Mathematical Sciences and co-director of the Center

Our mailing address is:

84 Lomb Memorial Dr

for Computational Relativity and Gravitation (CCRG), will receive the 2019

Robert Teese, professor of physics, received the Homer L. Dodge Citation for

Distinguished Service to the American Association of Physics Teachers in Houston, Texas, Jan. 12–15. He created the LivePhoto Physics project for introductory courses and interactive videos for physics and biology courses.

The award is named in honor of the association's founder.