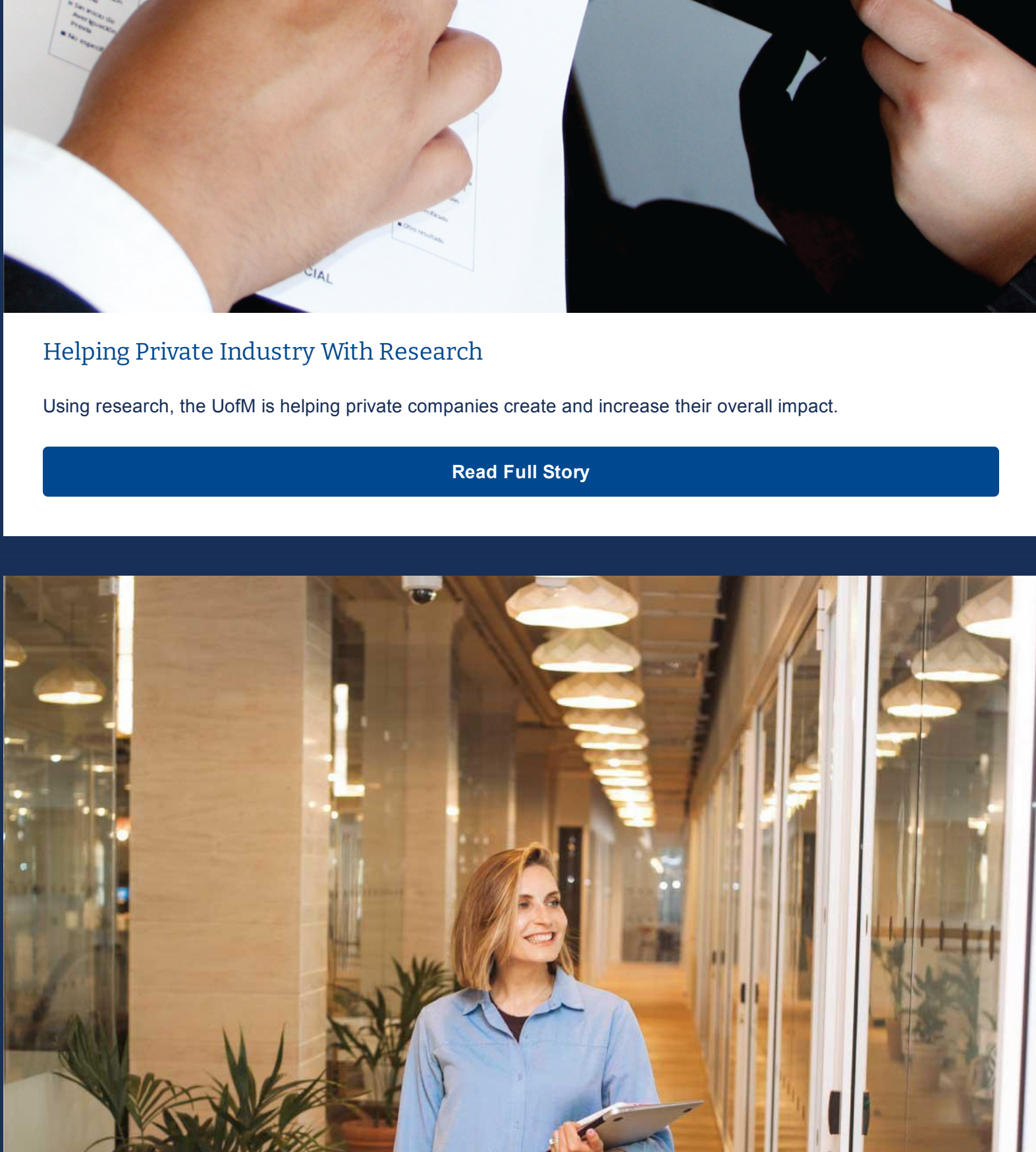




RESEARCH + INNOVATION

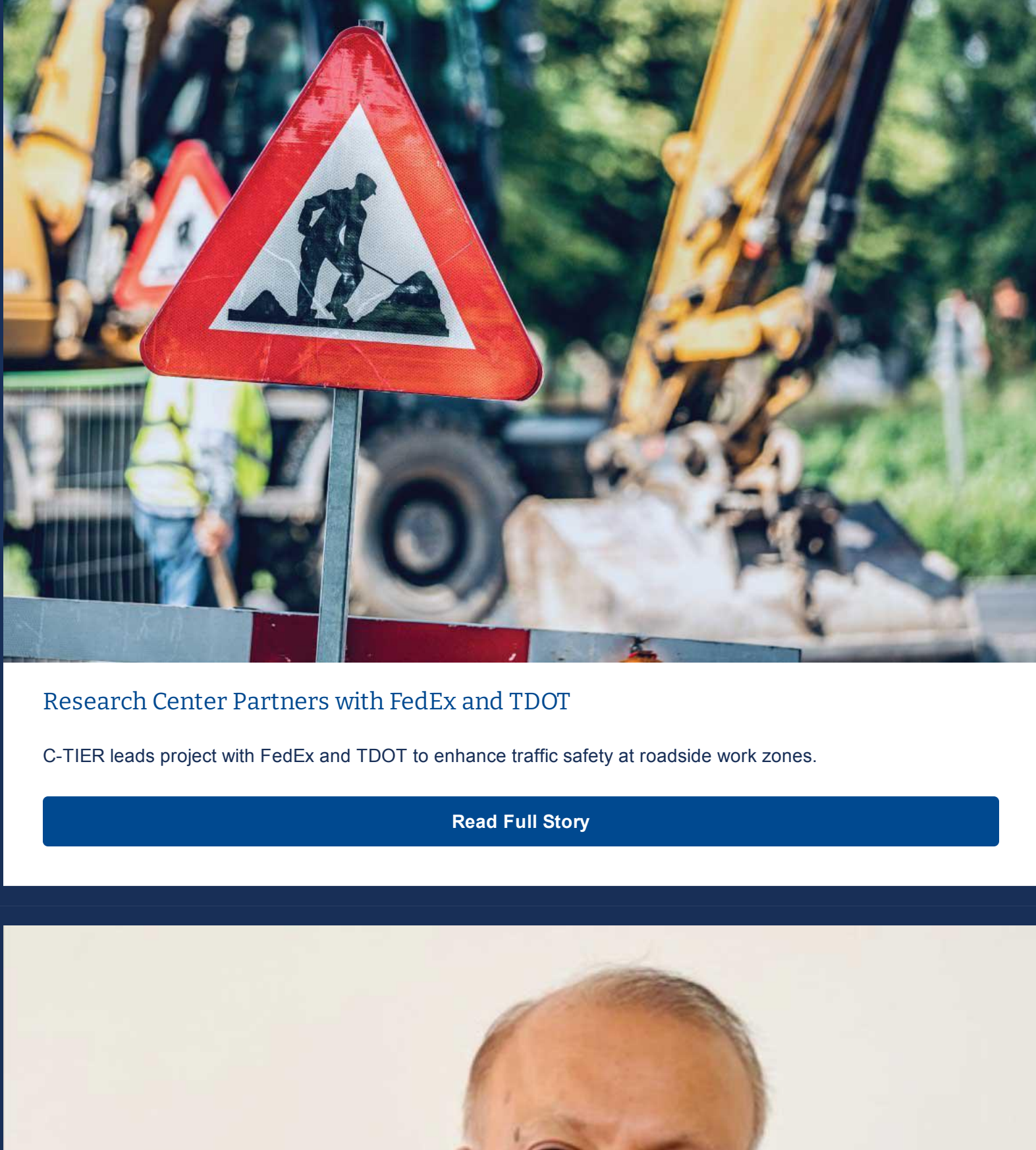
NEWSLETTER



Helping Private Industry With Research

Using research, the UoM is helping private companies create and increase their overall impact.

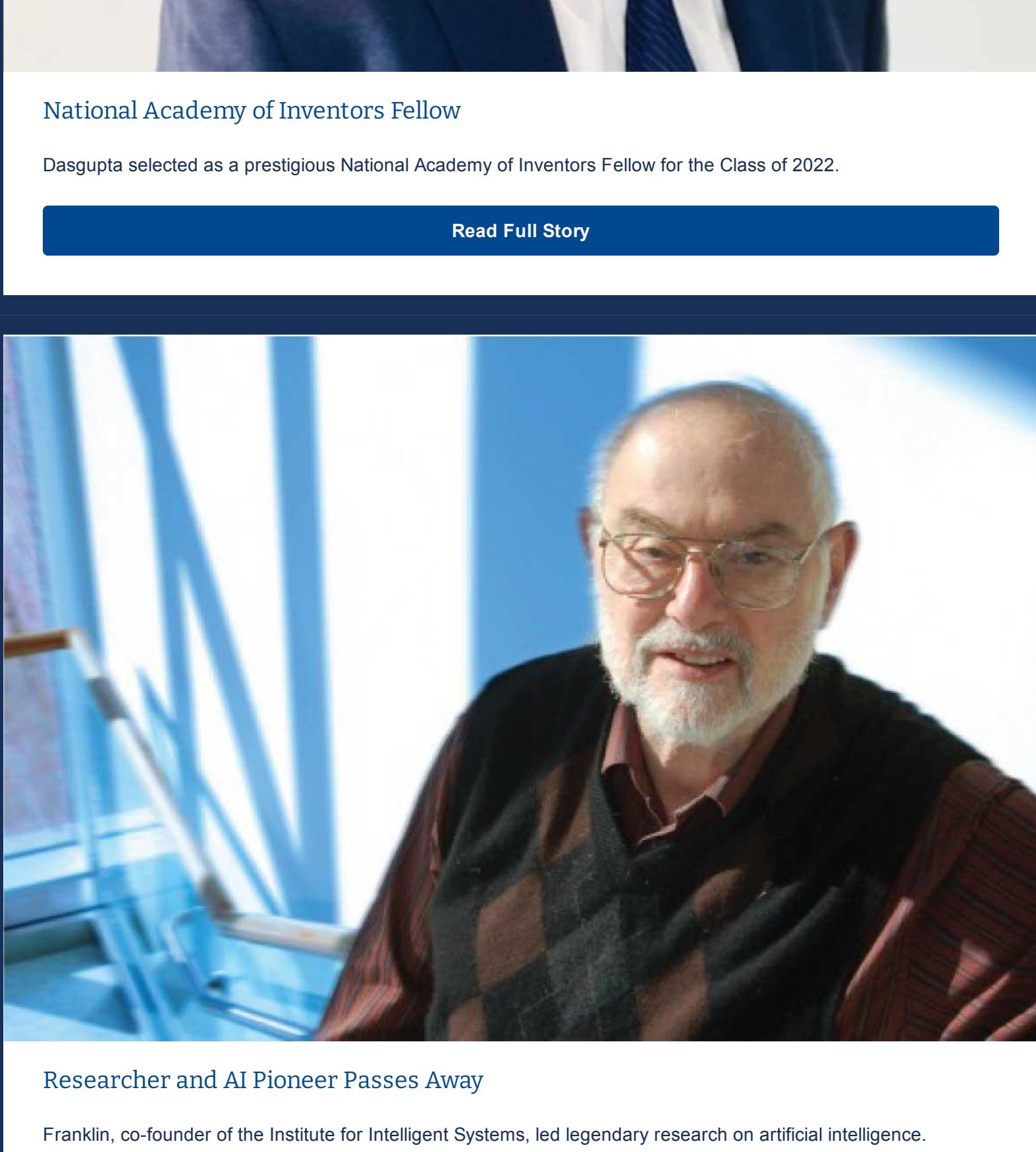
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Summer Research & Innovation Fellowships

Division seeks to hire faculty as research fellows for a few months this summer.

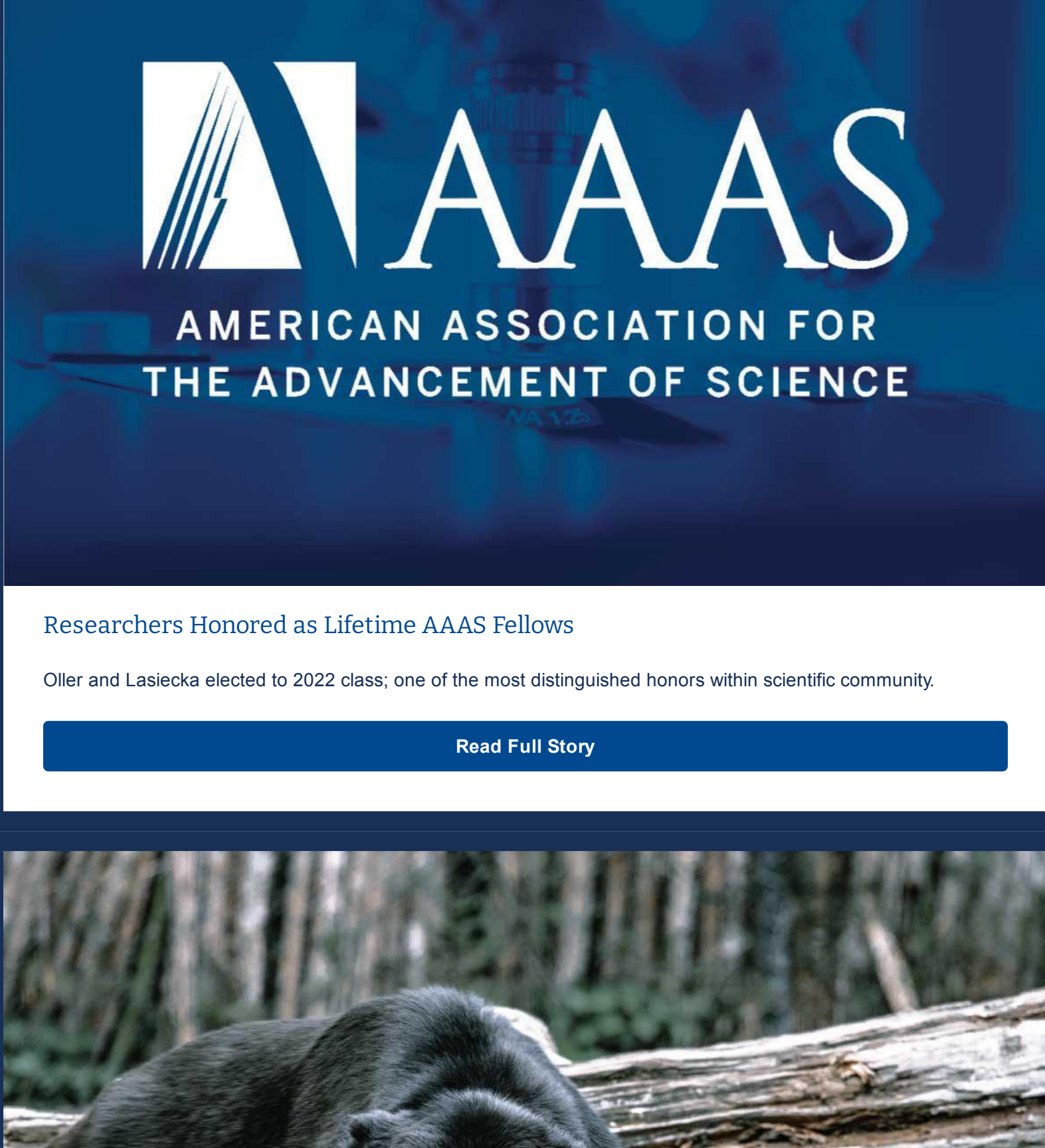
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Research Center Partners with FedEx and TDOT

C-TIER leads project with FedEx and TDOT to enhance traffic safety at roadside work zones.

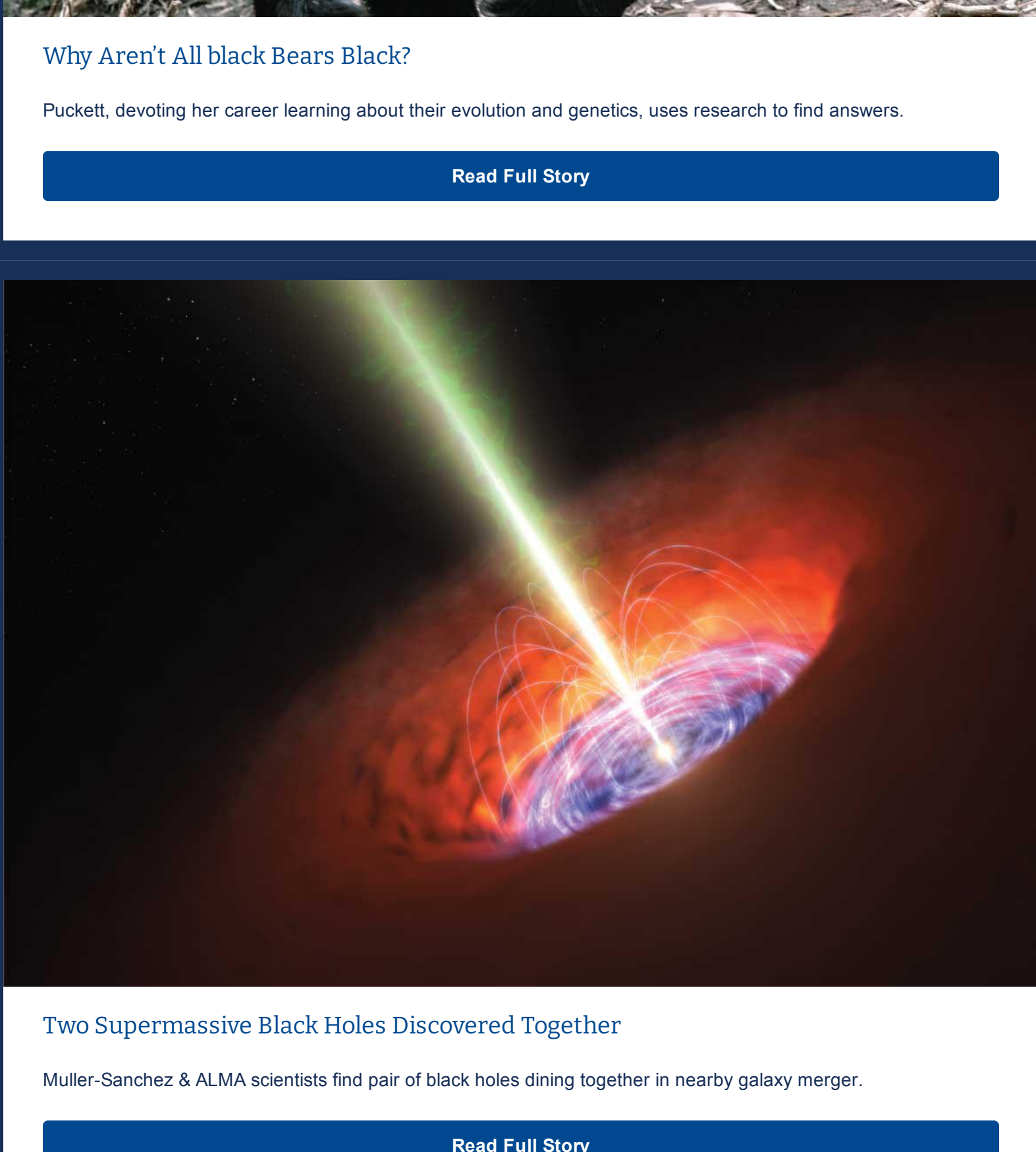
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National Academy of Inventors Fellow

Dasgupta selected as a prestigious National Academy of Inventors Fellow for the Class of 2022.

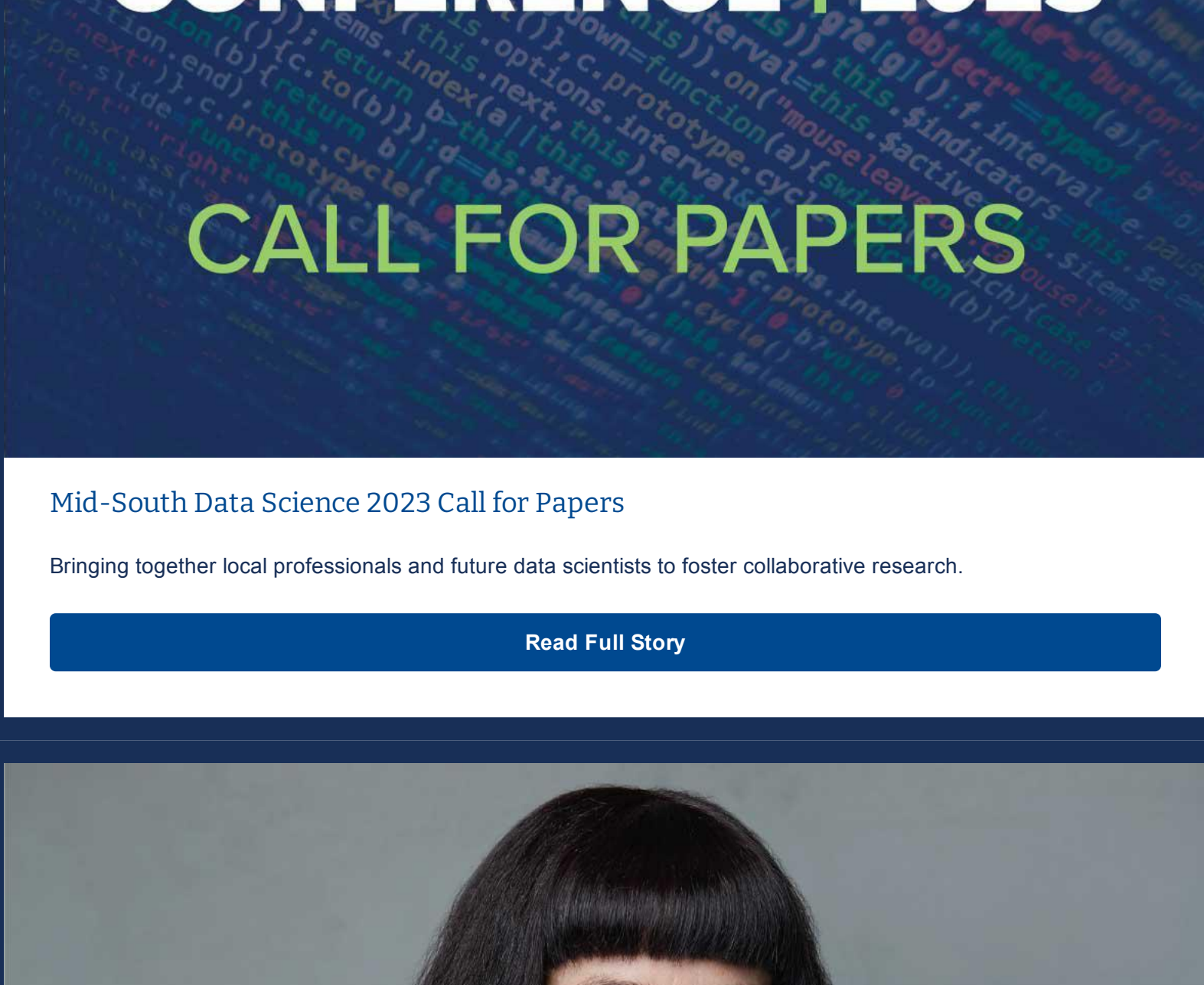
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Researcher and AI Pioneer Passes Away

Franklin, co-founder of the Institute for Intelligent Systems, led legendary research on artificial intelligence.

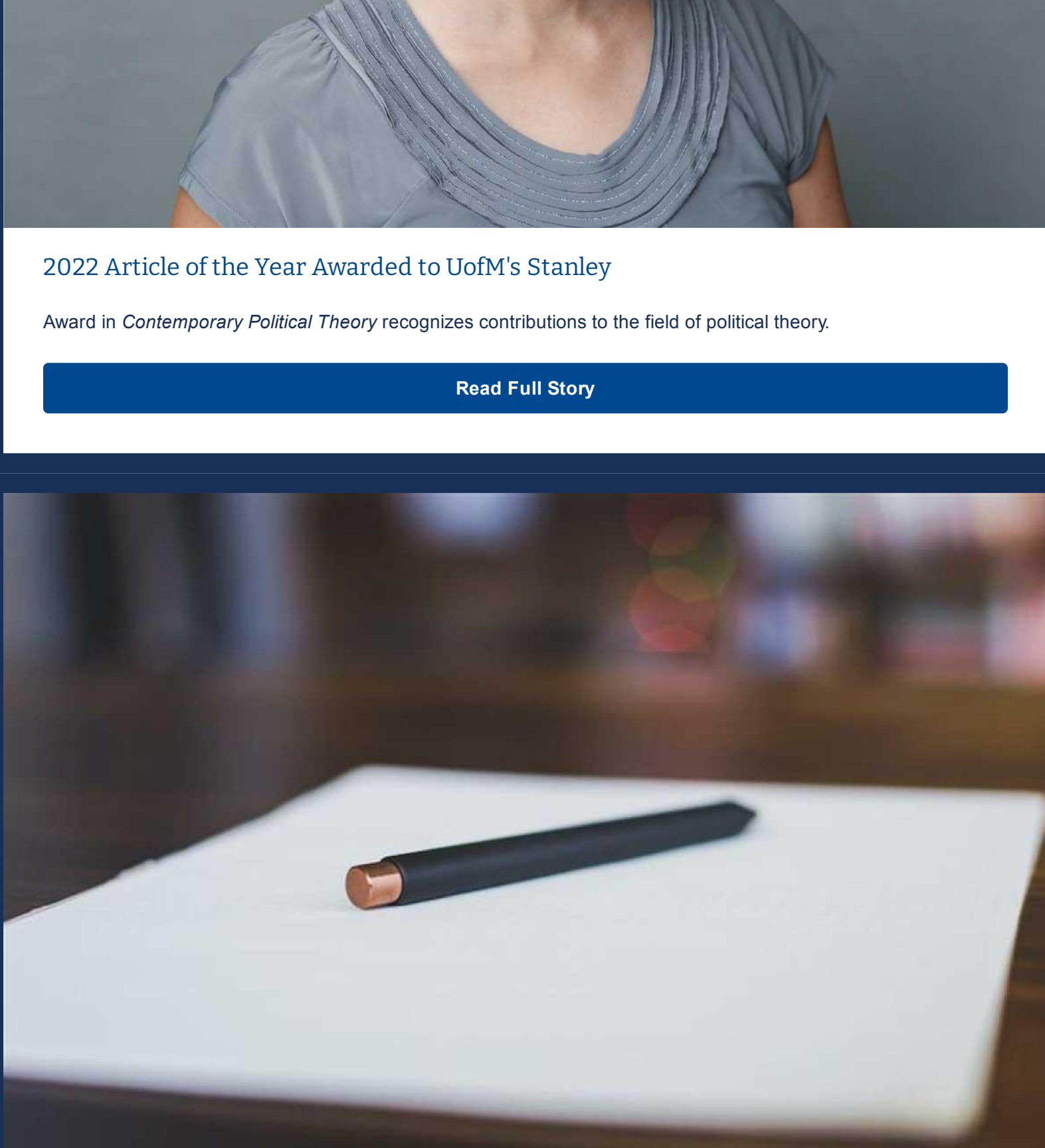
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Researchers Honored as Lifetime AAAS Fellows

Oller and Lasiecka elected to 2022 class; one of the most distinguished honors within scientific community.

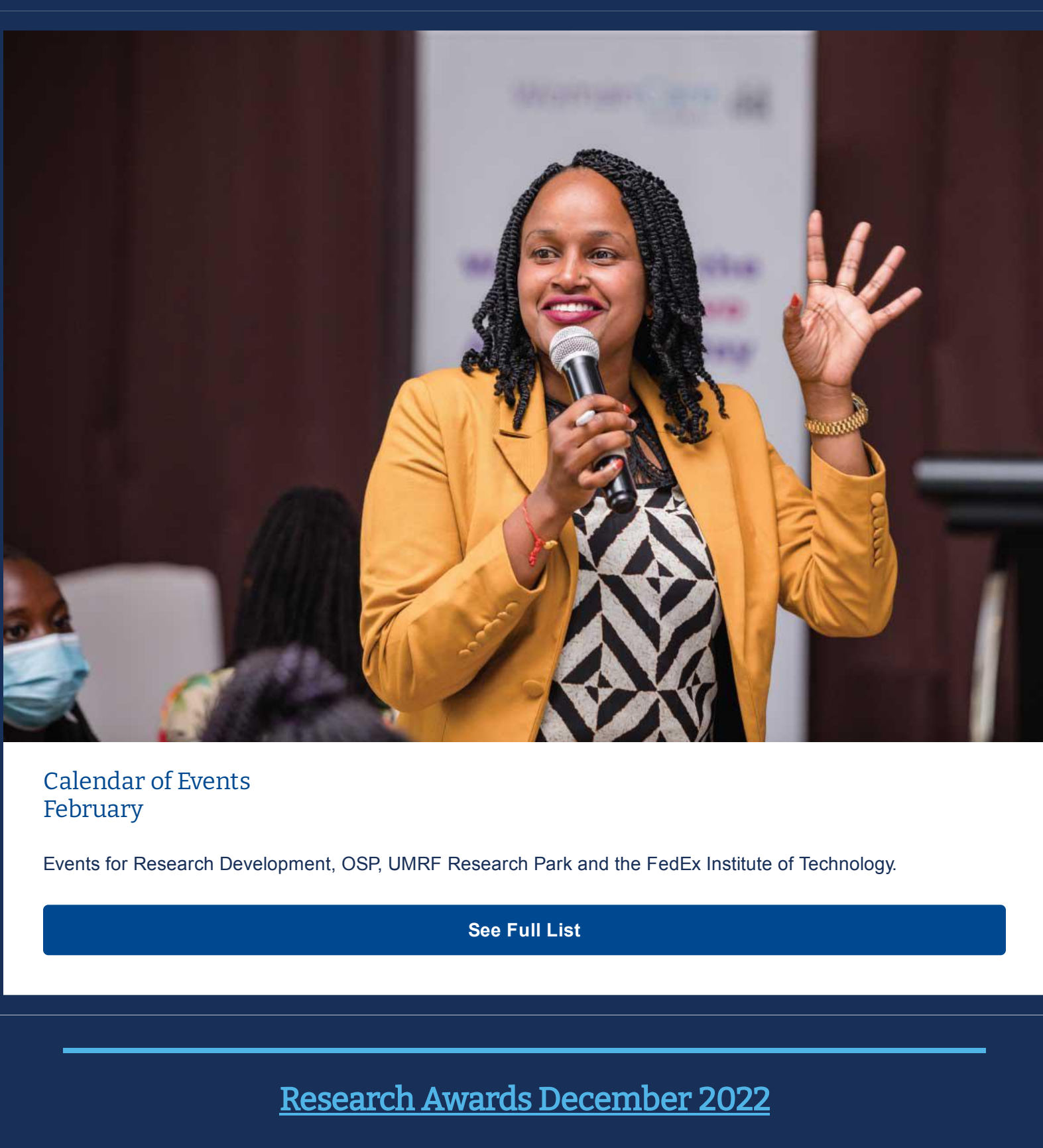
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Why Aren't All black Bears Black?

Puckett, devoting her career learning about their evolution and genetics, uses research to find answers.

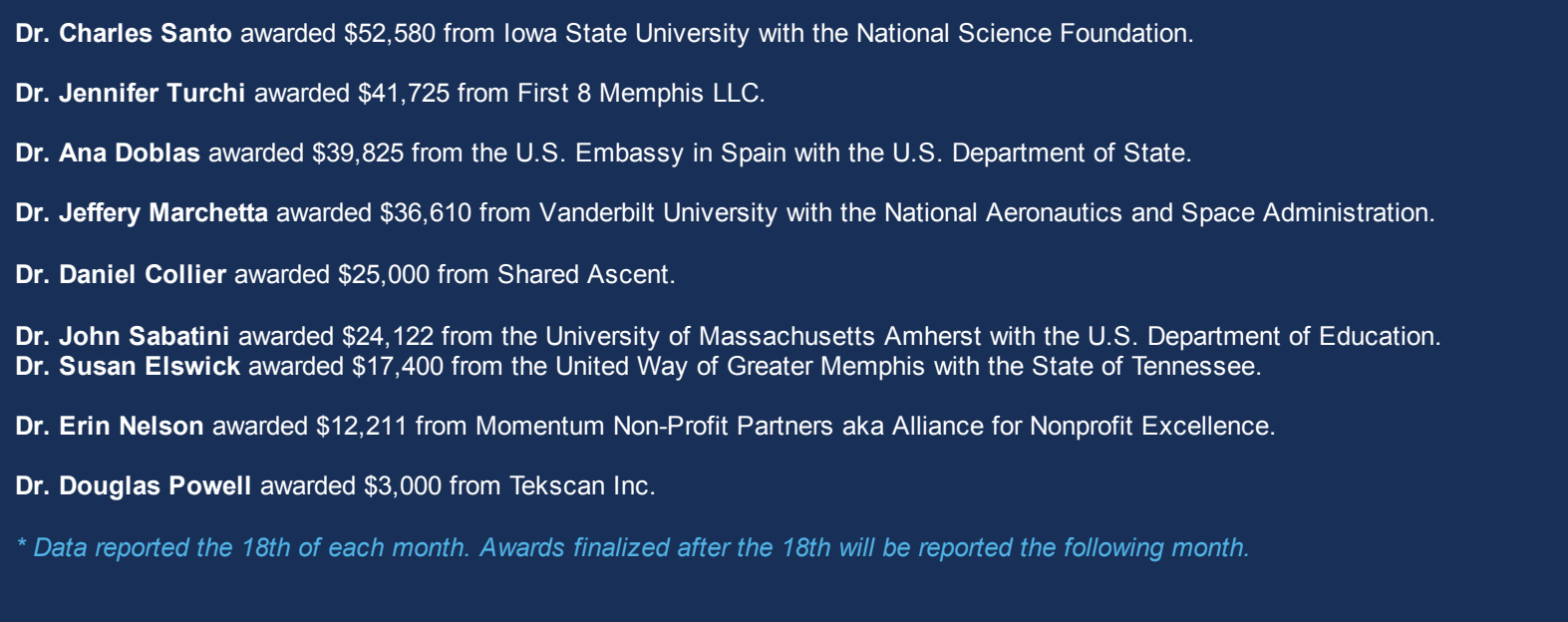
[Read Full Story](#)



Two Supermassive Black Holes Discovered Together

Muller-Sanchez & ALMA scientists find pair of black holes dining together in nearby galaxy merger.

[Read Full Story](#)



2022 Article of the Year Awarded to UofM's Stanley

Award in *Contemporary Political Theory* recognizes contributions to the field of political theory.

[Read Full Story](#)

AHRQ, DOD, DOJ, NEH, NIH and NSF Funding

Recently published opportunities from a variety of federal agencies on upcoming grants.

[See Full List](#)

Calendar of Events February

Events for Research Development, OSP, UMRP Research Park and the FedEx Institute of Technology.

[See Full List](#)

Research Awards December 2022

Dr. **Ranganathan** Gopalakrishnan awarded \$725,689 from the US Army Research Office.

Dr. **Thomas Sutter** awarded \$252,560 from the University of Pennsylvania.

Dr. **Todd Zoblotzky** awarded \$149,997 from the Smithsonian Institution with the U.S. Department of Education.

Dr. **Richard Bloomer** awarded \$117,079 from Liquid IV.

Dr. **James Adelman** awarded \$114,708 from Virginia Tech with the National Institutes of Health.

Dr. **Sabyasachee Mishra** awarded \$69,999 from the Tennessee Department of Transportation; and \$4,999 from Indiana University-Purdue University Indianapolis with Toyota Motor Engineering & Manufacturing of North America, Inc.

Dr. **Latrice Pichon** awarded \$94,673 from Meharry Medical College with the Centers for Disease Control and Prevention.

Dr. **Patrick Murphy** awarded \$91,208 from Tennessee Higher Education Commission.

Dr. **Alexander Headley** awarded \$87,079 from Sandia National Laboratories with the U.S. Department of Energy.

Dr. **Charles Santo** awarded \$52,580 from Iowa State University with the National Science Foundation.

Dr. **Jennifer Turchi** awarded \$41,725 from First 8 Memphis LLC.

Dr. **Ana Doblas** awarded \$39,825 from the U.S. Embassy in Spain with the U.S. Department of State.

Dr. **Jeffery Marchetta** awarded \$36,610 from Vanderbilt University with the National Aeronautics and Space Administration.

Dr. **Daniel Collier** awarded \$25,000 from Shared Ascent.

Dr. **John Sabatini** awarded \$24,122 from the University of Massachusetts Amherst with the U.S. Department of Education.

Dr. **Susan Elswick** awarded \$17,400 from the United Way of Greater Memphis with the State of Tennessee.

Dr. **Erin Nelson** awarded \$12,211 from Momentum Non-Profit Partners aka Alliance for Nonprofit Excellence.

Dr. **Douglas Powell** awarded \$3,000 from Tekscan Inc.

* Data reported the 18th of each month. Awards finalized after the 18th will be reported the following month.

Research Awards January 2023

Dr. Ali awarded \$330,000 from Materials Resources LLC with the Office of Naval Research.

Dr. Alfred Hall awarded \$181,207 from National Science Foundation.

Dr. Robert Smalley awarded \$93,079 from the U.S. Geological Survey.

Dr. Farhad Jazaeli awarded \$94,444 from Brown and Caldwell with the Great Lakes Water Authority.

Dr. John Sabatini awarded \$50,000 from the Trustees of Boston College with the International Association for the Evaluation of Education Achievement.

Dr. Susan Elswick awarded \$46,800 from Porter-Leath Children's Center with the State of Tennessee.
**Data reported the 16th of each month. Awards finalized after the 16th will be reported the following month.*

Full project and award details available [here](#)

Upcoming Events

Technology Serving Humanity Speaker Series

Welcomes

Dr. Kelly Bronson
Canada Research Chair in Science and Society
University of Ottawa

Bronson is a Canada research chair (Tier II) in Science and Society at University of Ottawa in Canada. She is a social scientist studying the societal and ethical dimensions of controversial technologies and their governance—from GMOs to big data. She has published her work in national (Canadian Journal of Communication) and international journals (Science as Culture, Journal of Responsible Innovation, Big Data and Society). She has just published a book on big data and AI in agriculture with McGill-Queen's University Press titled, "Immaculate Conception of Data: Agribusiness, activists and their shared politics of the future."

Join us for her talk, **"Immaculate conception of data: agribusiness, activists and their shared politics of the future."**

Co-hosted with the Department of Anthropology.

Thursday, Feb. 9 | 3 PM
FedEx Institute of Technology | Methodist Presentation Theatre (103)

[Register](#)

FedEx Institute of Technology FinTech Speaker Series

Welcomes

Dr. Agostino Capponi
Associate Professor of Industrial Engineering
and Operations Research
at Columbia University

Agostino's research interests are in financial technology, economics of blockchain, market microstructure and financial networks. Agostino's research has been published in major journals of his field, including Journal of Political Economy, Journal of Monetary Economics, Review of Asset Pricing Studies, Journal of Financial and Quantitative Analysis, Management Science, Operations Research and Mathematical Finance.

Join us for this talk titled, **"Decarbonation strategies for the grid-scale electricity market."**

Tuesday, Feb. 14 | 10:30 AM-11:30 AM
ZOOM

[Register](#)



FedEx Institute of Technology Distinguished Speaker Series

Welcomes

Mr. Ben Carmichael
Research and Development
Southern Company Services

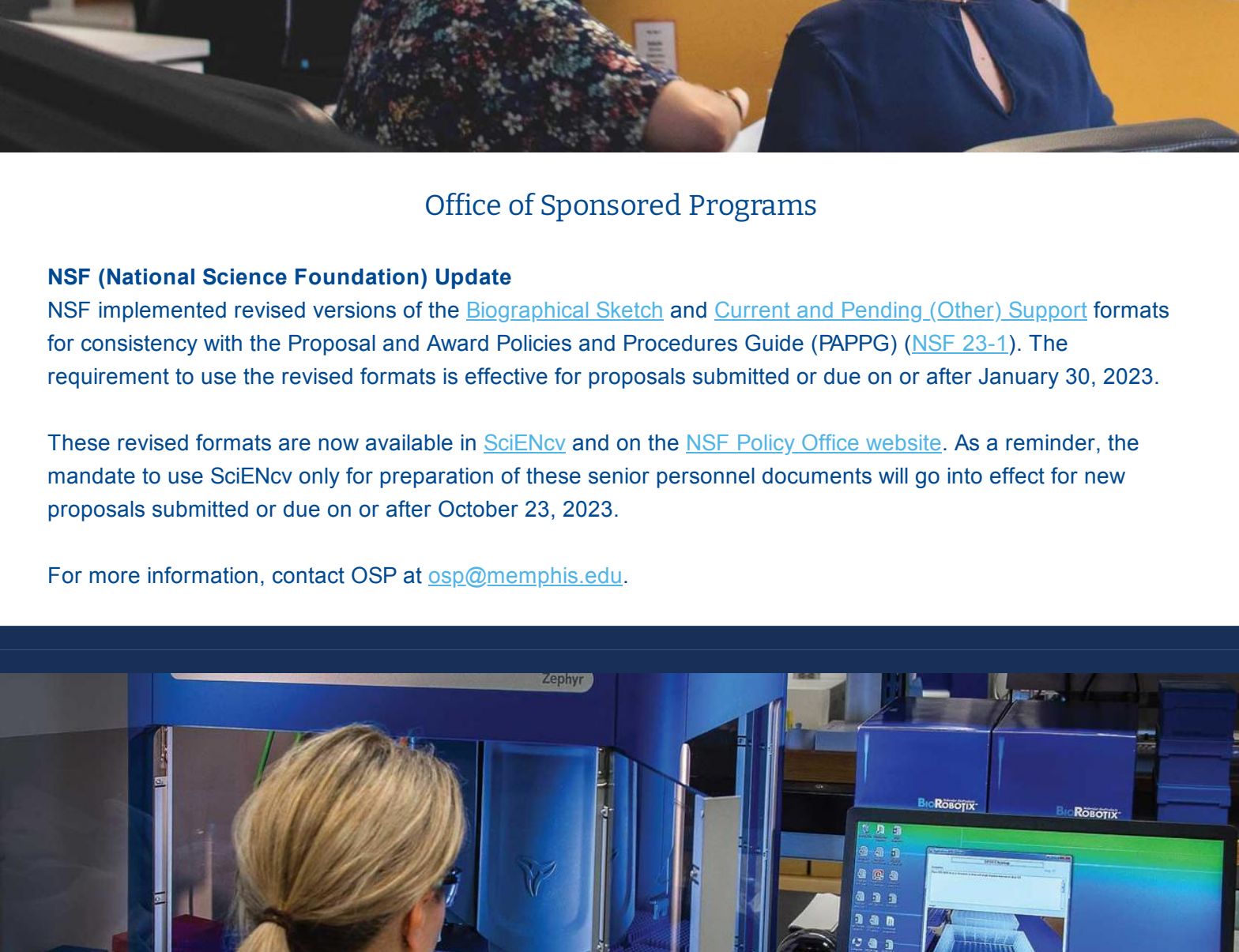
Carmichael is part of the Advanced Energy Systems team at Southern Company Research and Development, where he works as a business development manager to establish the national and international collaborations that support Southern Company's advanced energy systems development programs. Carmichael focuses much of that effort on Southern Company's advanced nuclear and hydrogen programs. Carmichael joined Southern Company in 2006 and has had a variety of opportunities across Southern Company affiliates, including engineering roles in Southern Company's Fleet Operations and Generation Planning and Development, managing the nuclear fuel procurement program for Southern Nuclear Operating Company, and managing new nuclear development opportunities for Southern Nuclear Development, LLC.

Carmichael holds a Bachelor of Electrical and Computer Engineering and a Master of Science of Civil Engineering from Auburn University, a Masters of Engineering in sustainability from the University of Alabama at Birmingham, and a Professional Engineer license in the State of Alabama.

Join us for this talk titled, **"Decarbonation strategies for the grid-scale electricity market."**

Wednesday, Feb. 15 | 3 PM
ZOOM

[Register](#)



FedEx Institute of Technology Emerging Tech Training

Title: GitHub | Introduction to GITHUB for Developers
Date: February 2-3
Time: 8 AM-4:30 PM
Location: Virtual
Description: Introduction to GITHUB for Developers is a fast-paced hands-on course that provides students with a solid overview of Git and GitHub the web-based version control repository hosting service.
[Register >>](#)

Title: PowerBI PL-300 Training Class
Date: February 20-22
Time: 9 AM-5 PM
Location: Virtual
Description: This course will discuss the various methods and best practices that are in line with business and technical requirements for modeling, visualizing and analyzing data with Power BI.
[Register >>](#)

Title: SAFE Program Consultant (SPC)
Date: February 20-23
Time: 8:30 AM-4:30 PM
Location: Virtual
Description: The goal of this course is to prepare internal change agents and external consultants to lead an enterprise agile transformation. *Open to FedEx employees only.
[Register >>](#)



Office of Sponsored Programs

NSF (National Science Foundation) Update
NSF implemented revised versions of the [Biographical Sketch](#) and [Current and Pending \(Other\) Support](#) formats for consistency with the Proposal and Award Policies and Procedures Guide (PAPPG) (NSF 23-1). The requirement to use the revised formats is effective for proposals submitted or due on or after January 30, 2023.

These revised formats are now available in [SciENcv](#) and on the [NSF Policy Office website](#). As a reminder, the mandate to use SciENcv only for preparation of these senior personnel documents will go into effect for new proposals submitted or due on or after October 23, 2023.

For more information, contact OSP at osp@memphis.edu.



Research Compliance

The Division of Research & Innovation's Office of Research Compliance (RC) provides independent oversight to research programs, activities and processes. RC is committed to creating and maintaining a culture of ethics, integrity and compliance with applicable laws, regulations and policies. Through targeted training, policies, oversight and monitoring, RC partners with UoM researchers and administrators to ensure research activities meet the highest standards of integrity and quality by ensuring regulatory compliance.

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