

# THE WEEKLY

Dear Colleagues,

Thank you for making the [IDIA AI Innovation Symposium](#) a successful event.

To help us with future events, please fill out this [anonymous survey](#). It should not take more than ten minutes of your time.

For those interested, we are looking forward to your applications for the [IDIA P3 Faculty Fellowship Program](#) which seeks to stimulate research collaborations and partnerships between George Mason University and industry on impactful societal problems and cutting-edge digital solutions of consequence to the local, regional, or national economy.

The application deadline is **March 27, 2023, by 11:59 pm EST**.

More information is available [here](#).



## NEWS

George Mason University was the only university representing Virginia at the 2022 Quantum World Congress (QWC). The Provost Transdisciplinary Quantum Science & Engineering Center (QSEC) galvanized faculty and students to make a strong showing and enrich the program of QWC.



Learn more [here](#).

## STUDENT OPPORTUNITIES

### [ACCESS Launches Student Training and Engagement Program](#)



ACCESS Operations is launching its Student Training and Engagement Program (STEP)! STEP will function as a three-phase program intended for undergraduates or early-career graduate students interested in pursuing careers in cyberinfrastructure.

Deadline: **March 15, 2023**

More information is available [here](#).

### [2023 Sustainability Summer Fellowships](#)



### **Sustainability Summer Fellowships for Graduate Research Partnerships**

Co-sponsored by the Graduate Education Office and the Institute for a Sustainable Earth, the 2023 Sustainability Summer Fellowships for Graduate Research Partnerships program provides financial support and professional development to graduate students who will work with partner organizations on applied research projects.

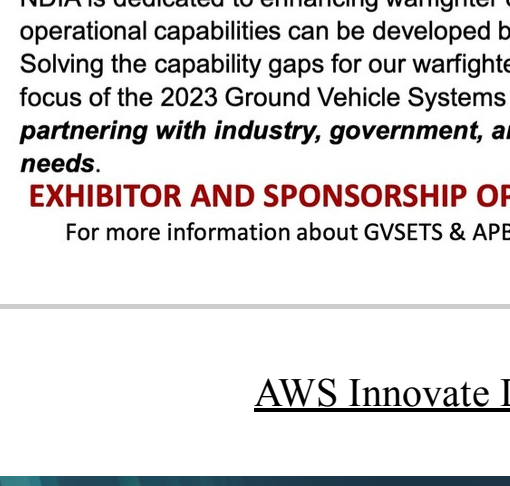
This opportunity is designed to connect students with organizations making a positive impact on our world. Together, fellows and partner organizations will identify research and action priorities for the period of the fellowship, allowing students to gain valuable experience and organizational access.

Deadline: **Monday, February 20, 2023**

More information is available [here](#).

## VARIOUS OPPORTUNITIES

### [Ground Vehicle Systems Engineering and Technology Symposium](#)



### **CALL FOR PAPERS NOW OPEN!**

*Meeting the Army's Transformational Needs*

**15<sup>th</sup> Annual Ground Vehicle Systems Engineering and Technology Symposium (GVSETS)**  
August 15 – 17, 2023  
Suburban Collection Showplace  
Novi, Michigan

**CALL FOR PAPERS NOW OPEN!!**  
Submission Deadline is March 13, 2023  
GVSETS ([ndia-mich.org](mailto:ndia-mich.org))

#### TECHNICAL PAPER TOPICS

The selected Papers will be published and presented at the event.

- Advanced Materials & Manufacturing (AMM)
- Autonomy, Artificial Intelligence & Robotics (AAIR)
- Digital Engineering / Systems Engineering (DE/SE)
- Modelling Simulation and Software (MS2)
- Modular Open Systems Architecture (MOSA)
- Power & Mobility (P&M)

*\* OPSEC review is required by all government authored/funded papers. Please allow three weeks for OPSEC process prior to submission dates.*

GVSETS provides the opportunity to personally network and share technical research to approximately 1,800 attendees.

Scientists and engineers from government, academia and industry are invited to submit papers for the National Defense Industrial Association (NDIA) Michigan Chapter's 15th Annual GVSETS, in coordination with The Engineering Society of Detroit (ESD).

NDIA is dedicated to enhancing warfighter capabilities. Technology solutions that bring operational capabilities can be developed by academia, industry, government, or a collaboration. Solving the capability gaps for our warfighter is growing in scope and challenge. Therefore, the focus of the 2023 Ground Vehicle Systems Engineering Technology Symposium (GVSETS) is **partnering with industry, government, and academia to meet the Army's transformational needs.**

**EXHIBITOR AND SPONSORSHIP OPPORTUNITIES WILL BE AVAILABLE IN 2023!**  
For more information about GVSETS & APBI, contact [gvsets@esd.org](mailto:gvsets@esd.org) or [gvsets@ndia-mich.org](mailto:gvsets@ndia-mich.org)

### [AWS Innovate Data and AI/ML Edition](#)



AWS is hosting a conference with artificial intelligence, machine learning, and data where you will learn about the most cutting-edge machine learning tools, walk away with strategies to build future-proof applications, and bring more organization to your data-driven organization.

Deadline: **March 14, 2023**

More information is available [here](#).

### [CCI Fellows Program](#)

Virginia's Commonwealth Cyber Initiative (CCI) is creating a Commonwealth-wide ecosystem of innovation excellence at the intersection of cybersecurity, autonomous systems, and intelligence. CCI's mission includes research, innovation, and workforce development. More than 300 researchers across Virginia are affiliated with CCI, providing the breadth and depth of expertise needed to compete for large research awards. Increasing Virginia's success in attracting center-scale awards is one of the objectives of CCI. This call aims at funding center-scale research proposal efforts requiring major coordination and proposal-writing work.

Deadline: **December 31, 2023**

More information is available [here](#).

### [2023 US NAM Catalyst Award Competition](#)

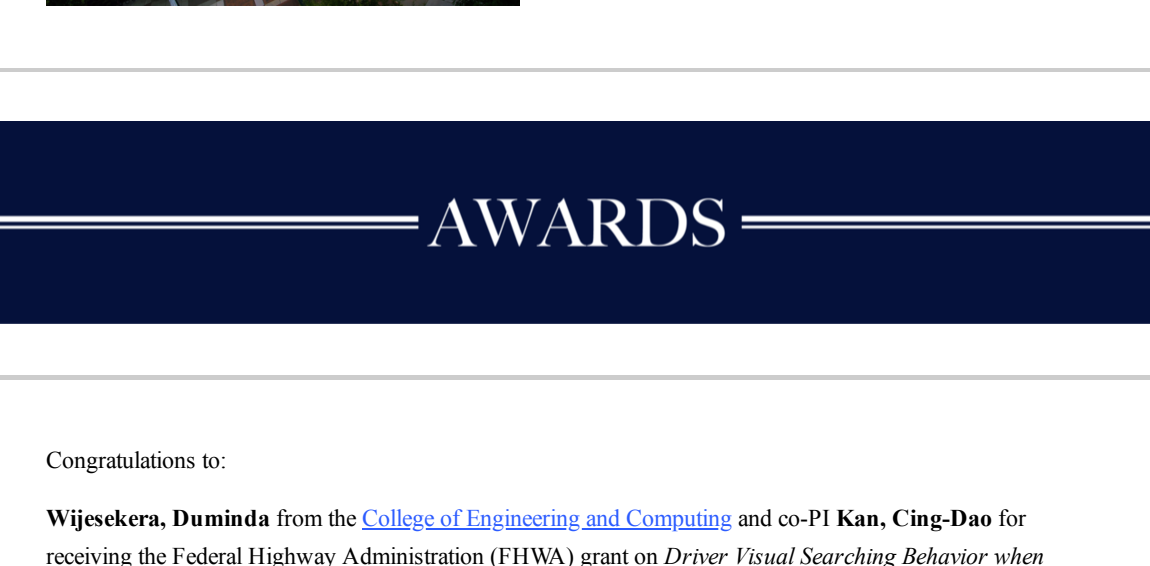
The NAM is currently seeking bold, new, and innovative ideas that aim to extend the human health span (i.e., the number of years lived in good health), especially approaches that challenge existing paradigms or propose new methodologies or concepts. High-risk ideas that could potentially yield high rewards and, in turn, dramatically change the field of healthy longevity are encouraged.

The National Academy of Medicine, with support from Johnson & Johnson Innovation, the Bia-Echo Foundation, and the Yun Family Foundation, will issue up to 20 Catalyst Awards in 2023 to U.S.-based innovators. Each Catalyst Award includes a \$50,000 cash prize as well as exclusive access to additional funding opportunities, occasions to connect and collaborate with innovators from around the world, and amplification of your award and winning idea. The NAM will also administer Catalyst Award cycles in 2024 and 2025.

Deadline: **February 27, 2023**

More information is available [here](#).

### [Cyber Arts & Design Program Call for Proposals](#)



The Commonwealth Cyber Initiative Cyber Arts and Design Program Call for Proposals is open and will close on April 1, 2023. Artists and designers who participated in the first call for proposals will be on hand to discuss their work at the online information session.

The Cyber Arts & Design Program challenges the Arts and Design research community to reimagine and depict the results of cybersecurity research, especially research that occurs in CCI, for either scientific or creative arts purposes.

Information Session: **Thursday, February 23, at 11 am**

More information is available [here](#).

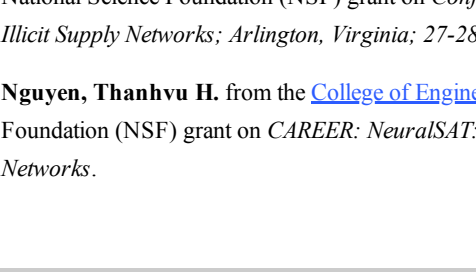
### [ORAU Annual Meeting of the Council of Sponsoring Institutions](#)

ORAU's Annual Meeting of the Council of Sponsoring Institutions is held to explore relevant topics in higher education. The meeting not only provides presentations by nationally recognized experts but also gives our university consortium members the opportunity to partake in valuable discussions with council representatives and ORAU staff in conjunction with the meeting's yearly theme.

Registration Deadline: **February 28, 2023**

More information is available [here](#).

### [East Coast Optimization Meeting](#)



The annual East Coast Optimization Meeting (ECOM) is an initiative to introduce students and early-career researchers to the current trends in optimization as well as to create a strong networking environment among academia, industry, and the national laboratories.

More information is available [here](#).

## AWARDS

Congratulations to:

**Wijsekera, Duminda** from the [College of Engineering and Computing](#) and co-PI **Kan, Cing-Dao** for receiving the Federal Highway Administration (FHWA) grant on *Driver Visual Searching Behavior when Navigating through Alternative Intersections*.

**Sun, Kun** from the [College of Engineering and Computing](#) for receiving the Office of Naval Research grant on *Reference-based Automatic Security Patch Generation*.

**Sherry, Lance C.** from the [College of Engineering and Computing](#) for receiving the U.S. Department of Defense (US DOD) grant on *2022 NSWG 801 Electronic Operations Manual for Submersible Maritime Platform ("Everything Tablet")*.

**Jajodia, Sushil** from the [College of Engineering and Computing](#) for receiving the Office of Naval Research grant on *Rethinking Adaptive Cyber-Defense, Optimization, and Reinforcement Learning in an Adversarial Environment*.

**McCue-Weil, Leigh S.** from the [College of Engineering and Computing](#) for receiving the Centers for Disease Control and Prevention (CDC) grant on *Developing a Blueprint for r2p "Best Practice."*

**Stein, Gregory J.** from the [College of Engineering and Computing](#) for receiving the National Science Foundation (NSF) grant on *Fast and Reliable Online Retraining and Adaptation for Robot Planning Despite Missing World Knowledge*.

**Beheshti, Ali** from the [College of Engineering and Computing](#) for receiving the Office of Naval Research grant on *Surface Integrity and Tribological Study of Propulsion Shaft Materials Subjected to Advanced Surface Strengthening Treatments*.

**Narayanan, Aarthi** from the [College of Science](#) and co-PI **Gillevet, Patrick M.** for receiving the Defense Threat Reduction Agency (DTRA) grant on *Artificial Intelligence (AI)-based predictive modeling of the host microbiome to improve vaccine effectiveness*.

**Pathak, Parth** from the [College of Engineering and Computing](#) and co-PI **Simon, Robert P.** for receiving the U.S. Department of the Army grant on *Airborne and Vehicular Millimeter-wave Wireless Networking*.

**DiZinno, Joseph A.** from the [College of Science](#) and co-PI **Burmeister, Steven** for receiving the U.S. Department of Justice (US DOJ) grant on *NI Forensic Technology Center of Excellence*.

**El Amin, Hadi** from the [College of Engineering and Computing](#) and co-PI **Koizumi, Naoru** for receiving the National Science Foundation (NSF) grant on *Conference and Grantee's Meeting: Disrupting Operations of Illicit Supply Networks; Arlington, Virginia; 27-28 March 2023*.

**Nguyen, Thanhvu H.** from the [College of Engineering and Computing](#) for receiving the National Science Foundation (NSF) grant on *CAREER: NeuralSAT: A Constraint-Solving Framework for Verifying Deep Neural Networks*.

## FUNDING OPPORTUNITIES

[Notice of Special Interest \(NOSI\)-BRAIN Initiative: Notice of Support for Research on Interception Circuits](#)  
Deadline: **June 15, 2023**

[Notice of Special Interest \(NOSI\)-Innovative Technologies for Research on Climate Change and Human Health Small Business Technology Transfer \(R41/R42 Clinical Trial Optional\)](#)  
Deadline: **April 5, 2023**

## IDIA AFFILIATION

Did you know that, as an IDIA faculty affiliate, you are eligible to:

- Compete for [internally funded IDIA projects](#)
- Receive support for [IDIA-relevant events](#)

Become part of the [dynamic multidisciplinary faculty network](#) focused on digital techniques and technologies to advance fields as diverse as finance, education, built infrastructure, science, economics, agriculture, health, transportation, entertainment, national security, and social justice.

There is no financial burden to you or your departments for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile [here](#).

## SHARE WITH US

We are eager to hear from you! As we work with your colleges to compile updates on digital innovation-related research activities at Mason, we would love to hear about your research activities, awards, and recent publications. Please share any successes, concerns, or ideas with us at [idia2@gmu.edu](mailto:idia2@gmu.edu)



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