



Institute for
Digital InnovAtion



THE WEEKLY

Dear Colleagues,

We are very excited to announce our third cohort of IDIA predoctoral fellows joining our IDIA community.

Hadeel R A Elyazori, Md. Ridwan Hossain Talukder, and Lauren Dennedy!

We thank all the PhD students for responding to this IDIA opportunity and submitting exceptionally strong applications. We also thank all the faculty coming together to support these students as they embark on ambitious and convergent research agendas addressing complex, transdisciplinary problems that align with IDIA's mission of catalyzing cutting-edge computing research that shapes the future of our digital society and promotes equality, well-being, security, and prosperity.

The project abstracts and 2-minute video presentations that the fellows have put together to describe their projects can be found at: <https://idia.gmu.edu/idia-predoctoral-fellows/>.



VARIOUS OPPORTUNITIES

Women In Business Networking

Join us for this two-hour event of women-focused networking, open to those who want to share knowledge and ideas, as well as provide support and expertise. Expand your network, join the conversation and get different perspectives on how to grow your business and take advantage of opportunities, all with colleagues who appreciate what it's like to be a woman in business.

Event Date: **October 2** from **5:00PM** to **7:00PM EST**

Register [Here](#).

ARPA-H Program: PRECISE-AI

The Performance and Reliability Evaluation for Continuous Modifications and Useability of Artificial Intelligence (PRECISE-AI) program aims to develop capabilities that can automatically detect and mitigate AI model degradation. These tools will monitor the performance of clinical AI models, identify if a degradation has occurred, and provide capabilities that can correct for performance degradations without the need for human oversight, thereby reducing the burden on individual operators. Importantly, this technology will also communicate clear and actionable information about the sources of degradation and allow users to better interpret model uncertainty, and thus help them use their software more effectively.



Learn more [here](#).

STUDENT OPPORTUNITY

BLIMP Prototyping Short Course



MASON INNOVATION EXCHANGE

BLIMP Prototyping Short Course FALL 2024



Do you want to learn how to build and fly Lighter-than-air UAV or I
Enjoy an intro to the world of robotics and autonomy through a hands-on experience building a bio-inspired flapping-wing blimp. Working in a team, students design and build their own flapping wing blimp from scratch. **Enthusiastic participants from all majors are encouraged to apply.**

Limited to only 18 spots - Apply NOW!

8-week course - Wednesdays Starting Sept. 18

4:30-6:30pm

Hurry! Application Deadline is Sept. 8!

www.mix.gmu.edu/blimp

Questions? MIX@gmu.edu



Unmanned Aerial Systems Prototyping



MASON INNOVATION EXCHANGE

Drone Prototyping Short Course FALL 2024



Do you like problem solving, learning new technology, and making things?

Apply now for the MIX's Drone Program for FALL 2024!

You will work in small teams to design, prototype, and build a drone! Students from all majors, departments, and schools are encouraged to apply.

Limited to 30 spots - Apply Today!

9 week course - **MONDAYS** Starting Sept. 23

4:30-6:30pm - Horizon Hall 1408

Hurry! Application Deadline is Sept. 15

visit: mix.gmu.edu/drone

Questions? MIX@gmu.edu



AWARDS

Congratulations to:

Parsa, Maryam from the [College of Engineering and Computing](#) for receiving the Department of Energy grant on *ENGAGE: (E)nergy-efficient (N)ovel Al(g)orithms and (A)rchitectures for (G)raph L(e)arning*.

Gingold, Yotam from the [College of Engineering and Computing \(CEC\)](#) for receiving the National Science Foundation grant on *to conduct In-Air 3D Modeling Using Non-Visual Feedback*.

Ferreira, Celso Moller from the [College of Engineering and Computing](#) for receiving the Virginia Institute of Marine Science grant on *Shoreline Transformational Adaptation: Forward-Looking Nature-based Climate Resilience*.

Gebril, Mohamed from the [College of Engineering and Computing](#) for receiving the Virginia Innovation Partnership Authority grant on *Automated Threat Hunting System Development Learning program*.

Popat, Ketul Chandrakant from the [College of Engineering and Computing](#) for receiving the National Institutes of Health (NIH) grant on *Nanostructured Surfaces with Improved Hemocompatibility*.

FUNDING OPPORTUNITIES

[National Science Foundation - Cyber-Physical Systems](#)

Deadline: **May 31, 2025**

[Institute of Electrical and Electronics Engineers Computer Society - Harlan D. Mills Award](#)

Deadline: **October 1, 2024**

[Comcast Corporation - Innovation Fund Open Source Development Grants](#)

Deadline: **Continuous Submission**

***If a funding opportunity limits the number of applications the university can submit, it will be posted and managed through the Research Development Services office. Please contact limited@gmu.edu or Sheila Davis sdavis46@gmu.edu if you have questions or are unsure if the opportunity is a limited submission opportunity.

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



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