

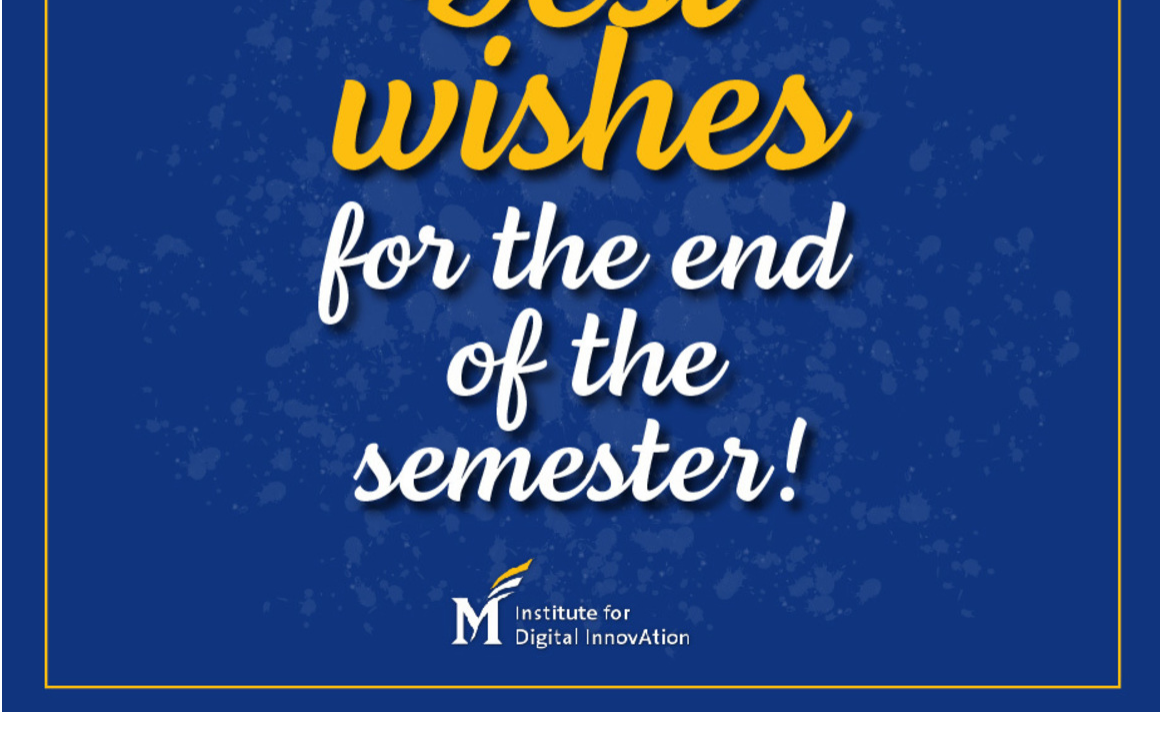


THE WEEKLY

Dear Colleagues,

This will be our last newsletter of the academic year. We are grateful for your input and support this year as we continue to grow IDIA—your participation has helped to bring the vision to life! We look forward to doing more great work and learning together next semester.

While the newsletter is on hiatus, please do keep an eye on your inbox. We will continue to send you research and funding opportunities via the IDIA listserv as we learn about them. You can also follow us on [LinkedIn](#) and [Twitter](#) to stay up to date on opportunities for you and your students. We wish you all a wonderful summer!



STUDENT OPPORTUNITIES



JUNE-SEPTEMBER 2022

GIVE YOUR NSF GRFP APPLICATION A BOOST



Individual Support

Work 1:1 with an advisor from the Office of Fellowships on all aspects of the NSF GRFP application. Our trained writing specialists will also give you tailored feedback on application statement drafts.

Exclusive Workshops

Attend 1 hour workshops every 2-3 weeks on Zoom to hear from program experts, alumni, and hone the skills that will help you produce a compelling application.

Cohort Activities

Hosted and facilitated by our advisors and writing specialists, cohort events (including a submission party in October) will connect you with supportive peers across disciplines.

For GMU grad students only. Email PGFS@gmu.edu by June 10 to register.

VARIOUS OPPORTUNITIES

Call for White Papers: Disruptive Technologies

The Central Intelligence Agency's DTECH program seeks technology profiles and forecasting in six disruptive technology areas to provide insights and gaps related to future developments, threats, opportunities, and mitigations. Each white paper should respond to one best-of-fit disruptive technology area with association to a single best-of-fit BAA AoE. Each white paper should propose an approach to developing the technology profile highlighting experience, partners, and sources. It should provide an approach or foundation for future research and development, a description of technology applications and impact, schedule, and cost estimate.

Disruptive Technology Areas:

1. Advanced Analytics
2. Biotechnology
3. Communications
4. Sensors
5. Autonomous Systems
6. Disruptive Integration of Technology

The white paper template and instructions are [here](#).

Deadline: May 23

Digital Twin for Earth Observations Using Artificial Intelligence

The National Oceanic and Atmospheric Administration's (NOAA) Office of Systems Architecture and Advanced Planning is requesting submission of white papers on the generation, assessment, and delivery to NOAA of a validated digital twin system for Earth observations that could, for demonstration purposes, be applicable to several radiometric and geophysical variables. NOAA's expectation is to use the results of this demonstration project to determine how an Earth Observations Digital Twin (EO-DT) may potentially serve as a next-generation ground processing enterprise system used in NOAA operations and interfacing with the Earth System approach modeling effort being undertaken at NOAA.

More details are [here](#).

Deadline: May 27

Regional Innovation Engines Program

The National Science Foundation's (NSF) newly established [Directorate for Technology, Innovation, and Partnerships \(TIP\)](#) has announced the [NSF Regional Innovation Engines \(NSF Engines\) program](#). This program is aimed at significantly expanding our nation's innovation capacity by investing in key areas of national interest and economic promise in every region of the United States. The NSF Engines program

will fund the development of Regional Innovation Engines that will cultivate and sustain activities in use-inspired research and development; the translation of the resulting innovations to practice through entrepreneurship, stakeholder development, and meaningful partnerships; and workforce development at all levels including experiential learning leading to researchers, practitioners, technicians, innovators, entrepreneurs, and others.

The NSF Engines program provides up to 10 years of funding per Engine award with a maximum budget of \$160 million, with the opportunity to receive up to two years of funding to support development activities prior to NSF Engine creation.

Deadline: June 30

More information on the opportunity is [here](#).



DARPA Virtual Testbed Services RFI

The Defense Advanced Research Projects Agency (DARPA) Biological Technologies Office (BTO) is requesting information on simulation software for virtual mass casualty incident scenes to support the development of a potential new program. Please [see the announcement](#) for a full list of the software's ideal characteristics and submission requirements.

Responses to this RFI must be emailed to DARPA-SN-22-35@darpa.mil.

Deadline: 12 p.m. on July 15

FUNDING OPPORTUNITIES

[Civil Infrastructure Systems \(CIS\) - Directorate for Engineering/NSF](#)

Deadline: Continuous

[Science and Technology for Advanced Manufacturing Projects \(STAMP\) - Office of Naval Research](#)

Deadline: Continuous

[NIST MEP Competitive Awards Program - National Institute of Standards and Technology](#)

Deadline: Continuous

IDIA AFFILIATION

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

Compete for [internally funded IDIA projects](#)

Serve as [IDIA Advisory Council members](#)

Receive support for [IDIA relevant events](#)

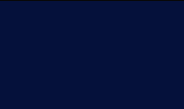
Get featured in our next weekly: [IDIA Weekly Spotlight](#)

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.

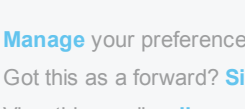
There is no financial burden to you or your departments for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile [here](#).

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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