



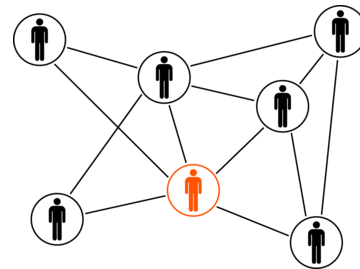
Institute for
Digital InnovAtion



THE WEEKLY

Greetings,

Welcome back to the Fall Semester. IDIA is excited to announce its first cohort of IDIA P3 Faculty Fellows. The IDIA Public-Private-Partnership (P3) Fellowship Program 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.



Congratulations to **Emanuela Marasco, Craig Yu, Parth Parthak, Jiasun Li, Jonathan Auerbach, and Kun Sun!**

Learn more about IDIA's first cohort of P3 Faculty Fellows [here](#).

NEWS

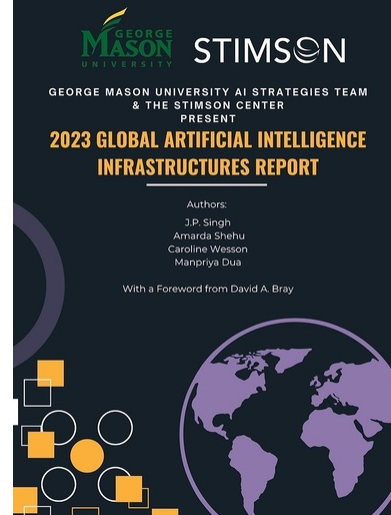
AI and Tech Policy Summer Institute

The AI Strategies team supported by a Department of Defense MINERVA award held their first inaugural AI and Tech Policy Summer Institute on May 22-24, 2023.

The Institute provided opportunities for a selected cohort of students across Mason to work with leading scholars, industry experts, government officials, and civil society activists on AI issues of our time. Throughout the training program, students developed research projects and ideas with one another that they will then carry into the academic year with long-term mentorship opportunities as AI & Tech Policy Fellows of Mason's Transdisciplinary [Center for Advancing Human-Machine Partnership \(CAHMP\)](#).

You can learn more about the activities of the AI and Tech Policy Summer Institute [here](#).

In case you missed it: The AI Strategies team also published its 2023 Global AI Infrastructures Report with a foreword from the Stimson Center's David Bray. You can find more information about it [here](#).



U.S. Air Force and George Mason University Partner to Modernize Warfighter Mission Training, Education and Research

Headquarters Ninth Air Force (U.S. Air Forces Central) formalized a partnership with George Mason University for joint research, rapid capability development, warfighter training, and education to support the mission readiness of the Ninth Air Force. The Educational Partner Agreement (EPA) was signed on July 14, 2023, at Mason's Fairfax Campus by Mason Provost Mark Ginsberg and Lieutenant General Alexis Grynkewich, Commander, Ninth Air Force (U.S. Air Forces Central). IDIA and the Office of the Provost for Executive Development were central to bringing this partnership together.

Learn more [here](#).



New summer program teaches AI tech to Arlington high school seniors

Eighteen Arlington Public School seniors got an in-depth look into the world of artificial intelligence (AI) this summer thanks to George Mason University's new AI Scholars program. The two-week session offered at Mason Square provided students with hands-on learning opportunities, projects, lectures, guest speakers, and \$750 scholarships.

Learn more [here](#).

UPCOMING EVENTS

Immersive Learning Technologies Conference



Immersive Technologies (IM-TECH) are changing how we think about workforce education and have become a popular tool for corporate training in recent years. IM-TECH, also known as Augmented Reality (AR), Mixed Reality (MR), Virtual Reality (VR), and Extended Reality (XR), allow educators, trainers, and instructional designers to create immersive learning experiences that go beyond traditional teaching and learning methods. For example, VR simulations can provide a realistic and engaging way to train employees for a variety of tasks, from customer service to safety procedures. With VR, employees can make mistakes and learn from their mistakes in a safe environment. They can also get a better understanding of how to handle different situations that they may encounter on the job. IM-TECH can help us to better understand the world around us and connect with others who share our interests.

More information available [here](#).



Call for Participants
“Harnessing the Power of Economics to Solve Whole of Nation Challenges”
Conference

Wednesday 6 September 2023, 9:00 am – 4:00 pm EDT
McLean VA, Bedford MA, and Teams Meeting
Hosted by The MITRE Corporation

This conference will join MITRE economists with speakers and panelists from government, academia, and industry to examine the role of economics in collaboratively solving whole-of-nation challenges. A Whole of Nation challenge is one in which maximum U.S. societal benefits can only be achieved through partnership across applicable agencies at the federal, state, tribal, territorial, and/or local government levels and/or with academia and/or industry engagement. MITRE seeks to serve as a catalyst to foster collaborative cross-sector research, drive innovation, and inform decision makers. Topics include climate, transportation, supply chain, public health, digital currency, and the economics of AI.

We are currently soliciting submissions of abstracts for poster displays of relevant research. We want to feature a diverse selection of work from MITRE, government, academia, and industry, where economic thought or methods were, or could potentially be applied to problems of national interest. Accepted posters will have to be cleared through the PRS process by the submitters.

We are also providing free lobby space for vendor tables. Government agencies or offices, academic institutions or departments, associated research centers, and industry companies or organizations are welcome to inquire. Tables will be small (one table and two chairs). Tables may be set up in either or both of MITRE’s two main campus locations—in McLean, VA and in Bedford, MA.

To submit an abstract by Friday 4 August 2023, please use this form:

<https://forms.office.com/g/u8ZE8vnutr>

To apply to reserve a table by Friday 18 August 2023, please use this form:

<https://forms.office.com/g/WDL7uAGtJK>

To register to attend the conference (no deadline, no registration fee), please use this form:

<https://forms.office.com/g/DajGwQ9aMS>

For additional questions, or to inquire about participating in speaker sessions, please contact Tony Dziepak: adzepak@mitre.org

MITRE | SOLVING PROBLEMS
FOR A SAFER WORLD®

Department of Defense's Energy and Environment Innovation
Symposium

SERDP ♦ ESTCP ♦ OECIF ♦ OEPF

**DOD ENERGY &
ENVIRONMENT
INNOVATION**

SYMPOSIUM

The Department of Defense's (DoD) Energy and Environment Innovation Symposium is the nation's largest conference focusing on the DoD's priority environmental and energy issues. The Symposium will offer a variety of technical sessions and short courses, over 500 technical poster presentations, and networking opportunities at the Crystal Gateway Marriott in Arlington, Virginia.

Event date: **November 28 - December 1, 2023**

Register [here](#).

VARIOUS OPPORTUNITIES

NVIDIA Graduate Fellowship Program

NVIDIA has long believed that investing in university talent is beneficial to the industry and key to our continued growth and success. The NVIDIA Graduate Fellowship Program provides funding in the amount of up to \$60,000 per award to PhD students who are researching topics that will lead to major advances in accelerated computing and its applications. NVIDIA particularly invites submissions from students pushing the envelope in artificial intelligence, robotics, autonomous vehicles, and related fields. We select students each year who have the talent, aptitude and initiative to work closely with us early in their careers. Recipients not only receive crucial funding for their research, but are able to conduct groundbreaking work with access to NVIDIA products, technology and some of the most talented minds in the field. In addition, the Fellowship includes a summer internship preceding the Fellowship year.

Applications deadline: **September 7, 2023**

More information available [here](#).

AWARDS

Congratulations to:

Shehu, Amarda from the [College of Engineering and Computing](#) and co-PIs Zhao L; West, W.; and Minbiole/Villanova for receiving the NSF Collaborative Research: IIBR: Innovation: Bioinformatics grant on *Linking Chemical and Biological Space: Deep Learning and Experimentation for Property-Controlled Molecule Generation*.

Klimov, Dmitri from the [College of Science](#) for receiving the Defense Threat Reduction Agency grant on *Designing DNA-based cargo nanocarriers for permeation through the Blood-Brain Barrier*.

Schintler, Laurie A. from the [Schar School Policy and Government](#) for receiving the National Science Foundation grant on *Perceptions of Efficiency and Bias in Peer Review: Algorithmic versus Human Decision Making*.

Nguyen, Thanhvu H. from the [College of Engineering and Computing](#) for receiving the National Science Foundation grant on *FMitF: Track II: Cybolic: a symbolic execution technique and tool for analyzing CMake build scripts*.

Shehu, Amarda from the [College of Engineering and Computing](#) and co-PI **Bromberg, Y.** for receiving the NSF IIS: III Collaborative MEDIUM Grant on *Learning Protein-ish: Foundational Insight on Protein Language Models for Better Understanding, Democratized Access, and Discovery*.

FUNDING OPPORTUNITIES

[Cyberinfrastructure for Sustained Scientific Innovation](#)

Deadline: **December 1, 2023**

[Smart and Connected Communities \(S&CC\)](#)

Deadline: **April 1, 2024**

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



Share this email:



[Manage](#) your preferences | [Opt out](#) using TrueRemove™

Got this as a forward? [Sign up](#) to receive our future emails.

View this email [online](#).

George Mason University | 4400 University Drive
Fairfax, VA | 22030 US

This email was sent to .

To continue receiving our emails, add us to your address book.

[Subscribe](#) to our email list.