



## THE WEEKLY

### GRADReCon: Graduate Research Connections

Build your productivity, research, and writing skills at GRADReCon: Graduate Research Connections! A smorgasbord of workshops on topics essential to your success at Mason, GRADReCon is a partnership of Graduate Student Life, University Libraries, and other key University programs and services for grad students. Topics include research funding, grant writing, project management, writing literature reviews, authorship and publication, and more.

Questions? Contact [gradlife@gmu.edu](mailto:gradlife@gmu.edu)

More information is available [here](#).



### International Symposium on DTx, Digital Therapeutics



## International Symposium on DTx, Digital Therapeutics

This symposium, organized by **George Mason University** and sponsored by **NCSOFT**, aims to bring together a dynamic group of international professionals interested in digital therapeutics, including academics, healthcare providers, regulators, government funding agencies, and game designers/developers. The symposium will focus on the current trends and applied research implications utilizing innovative digital technologies in digital therapeutics and explore the potential of how these new practices could be used to innovate 21st-century healthcare research and practice. Also, this symposium will embrace new ideas and defy conventional thinking to advance the field of digital therapeutics.

**Symposium topics:** The topics of the symposium included, but not limited to, the trends in the development of DTx, Digital Therapeutics games and applications in the past and present, the current landscape of Digital Therapeutics, future prospects of Digital Therapeutics and its implications, various challenges faced by developers and physicians, and regulatory changes and funding trends.

Also, the symposium will provide networking opportunities for professionals with a strong interest in Digital Therapeutics.

**Time schedule:**  
09:00 - 10:00 Registration  
10:00 - 10:20 Opening remarks  
10:20 - 12:30 Plenary session  
12:30 - 01:45 Lunch  
01:45 - 02:00 Closing remarks (Lunch provided)

**Wednesday November, 9th 2022**  
Inquiries: Prof. Sang Nam, Director, Computer Game Design ([snam5@gmu.edu](mailto:snam5@gmu.edu))

Auditorium at Mason Square  
3351 Fairfax Dr. Arlington, VA 22201  
(pick parking entrance via Founders Way North)

Organized by **George Mason University Korea & College of Visual & Performing Arts**

Sponsored by **NCSOFT Corporation**

### AI Ethics and AI Efficacy



## GMU Philosophy Seminar Series 2022-2023

**Friday, November 18, 2022**  
**1:30-2:45 pm EDT**

**'AI Ethics and AI Efficacy'**

The field of artificial intelligence (AI) ethics has grown considerably over the last decade. It has highlighted the ways in which novel machine learning techniques can result in unintended unethical outcomes. For instance, in supervised learning, an algorithm can adopt, or even exacerbate, biases that exist in the training data. However, there have been few attempts to apply the findings from the AI ethics literature to military ethics. In this paper, I take some initial steps toward applying the lessons learned from the AI ethics literature to military AI applications other than autonomous weapons systems.

**Zoom link:**  
<https://go.gmu.edu/chapa>

**Joe Chapa**  
US Air Force

**George Mason University**

### ORAU 2023 Annual Meeting Registration Now Open

ORAU would like to invite you to attend our 2023 Annual Council Meeting focused on Climate Security and Environmental Justice: Pathways to Achieving the 2050 Carbon Net-Zero Goal. Your participation will provide an opportunity for you and your colleagues to discuss key technology, economic, and policy challenges and opportunities. Experts and leaders from academia, federal agencies, and national organizations will share their views on Technology Innovation and Transformation, Science-Based Models for an Environmentally Equitable Society, and Growing Future Thought Leaders through Strategic Alliances.

Registration Deadline: **February 28, 2023**

Event Session: **Monday, March 6 - Tuesday, March 7, 2023** at the Knoxville Airport Hilton

Register [here](#).

## STUDENT OPPORTUNITIES

### Summer Team Impact Projects

The Office of the Provost is excited to offer grants for Summer Team Impact Projects (STIP) for Summer 2023. The Offices of Undergraduate Education, OSCAR, and CECIL will fund multidisciplinary summer projects for undergraduate students, graduate students, and faculty members. These projects will explore a central theme, a research question, or a community-identified problem. Proposals focusing on the U.N.'s Global Goals or Anti-Racist Community Engagement are encouraged.

Proposal Deadline: **November 18, 2022**

More information is available [here](#).



## LEAD A SUMMER TEAM IMPACT PROJECT

Proposals are due  
**November 18, 2022**

[go.gmu.edu/STIP](https://go.gmu.edu/STIP)

### Ford Foundation Fellowship Programs

Through its program of fellowships, the Ford Foundation seeks to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, maximizing the educational benefits of diversity, and increasing the number of professors who can and will use diversity as a resource for enriching the education of all students.

Dissertation and Postdoctoral Application Deadline: **December 8, 2022 by 5:00 pm EST**

Predocctoral Application Deadline: **December 15, 2022 by 5:00 pm EST**

More information is available [here](#).

## VARIOUS OPPORTUNITIES

### Call for Submissions: Network for Undergraduate Research



## 3rd Annual Conference: Network for Undergraduate Research in Virginia Call for Submissions

The Network for Undergraduate Research in Virginia (NURVA) is a consortium of private and public colleges and universities in Virginia dedicated to supporting undergraduate research and creative activity throughout the Commonwealth.

The NURVA conference is an opportunity for undergraduates in all disciplines to present their research and creative work at a statewide conference. The 3rd annual conference will be held on Saturday, January 21, 2023, at Christopher Newport University in Newport News, VA. Faculty mentors are encouraged to attend. Conference registration, which includes lunch, is \$25.

NURVA invites submissions from undergraduates in all disciplines in the categories of oral presentation, poster, or performance. Submit abstracts (250-750 words) with one letter of endorsement (indicating approval for presentation) from a faculty mentor at <https://tinyurl.com/NURVA2023>

Submission deadline is midnight, November 15, 2022.

Any questions, contact [nurva1788@gmail.com](mailto:nurva1788@gmail.com).

Graduate Schools: Purchase a table for \$100 to promote your programs with students. Contact [kswabey@vt.edu](mailto:kswabey@vt.edu) by January 14.

The Network for Undergraduate Research in Virginia (NURVA) is a registered 501(c)(3) non-profit organization.

### National Conference on Undergraduate Research



## NCUR

### National Conference on Undergraduate Research

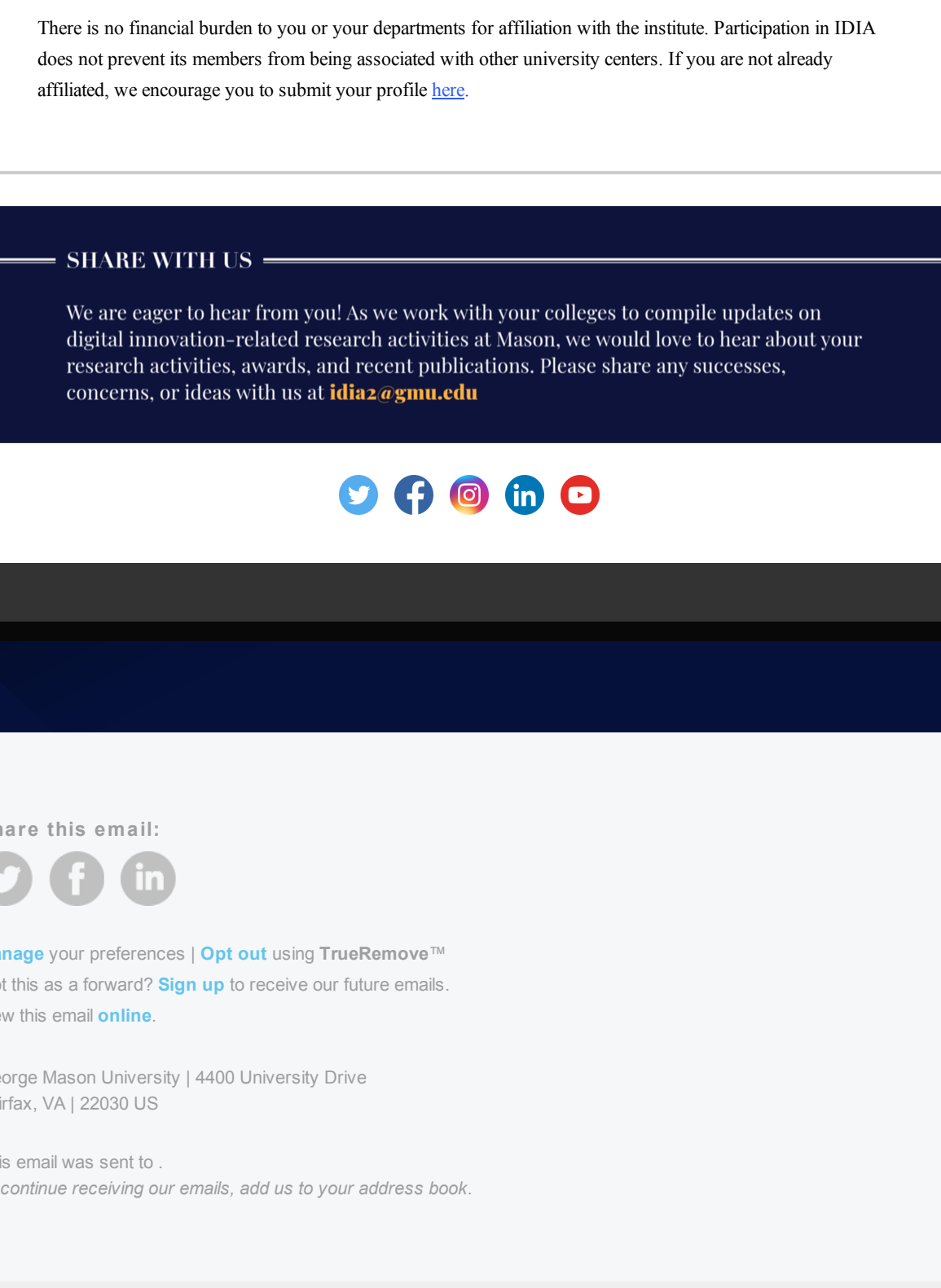
OSCAR will cover registration and lodging in shared rooms, for any Mason undergraduate student presenting at NCUR. Please list Karen Lee [klee57@gmu.edu](mailto:klee57@gmu.edu) as the coordinator when you upload your abstract. Contact [oscar@gmu.edu](mailto:oscar@gmu.edu) with any questions.

NCUR 2023 will be hosted at the University of Wisconsin-Eau Claire. Please direct your questions to [NCUR2023@UWEC.edu](mailto:NCUR2023@UWEC.edu).

**Abstract submission opens October 3rd**

**Learn More at NCUR 2023 | Events | Council on Undergraduate Research**

### Research Assistant Positions



## Office of Student Scholarship, Creative Activities, and Research

### RESEARCH ASSISTANT POSITIONS

- OSCAR is expanding opportunities for students to learn research, creative, or scholarly methods in their field and giving faculty free support on their projects at the same time.
- Currently we are looking for projects that can be completed 100% online for a new pilot program. These projects are funded by the **Online Virginia Network**.
- Learn how you can hire an in-person or on-line undergraduate research assistant.

### Request for Proposal: Digital Crowbar

The Directorate of Digital Innovation/Digital Futures, in cooperation with the Office of Mission Applications (OMA) (herein referred to as "The Sponsor"), is seeking white papers with the potential for a selection to commercially develop a "Proof of Concept (PoC)" capability to protect sensitive text and image queries by obscuring them. The Sponsor may examine other existing commercial capabilities or custom-built proofs of concept from commercial labs. For example, a user could specify specific text and image search parameters (i.e. name or image of interest) to query specific data sources and/or platform data repositories. In this case, associated capabilities would support the transformation of text and image queries to ensure sensitive search terms' interests are hidden and not obvious to unauthorized data owners, while privacy is maintained and valid query results containing information relevant to the original, sensitive query are returned.

The SOO for the BAA is available [here](#).

Questions? Contact Mike Bunting at [mbunting@gmu.edu](mailto:mbunting@gmu.edu)

White Paper Deadline: **Monday, November 7 by 5:00 pm EST**

### Public-Private Analytic Exchange Program

The Department of Homeland Security and Office of the Director of National Intelligence invite analysts who are U.S. citizens to apply for the 2023 Public-Private Analytic Exchange Program (AEP).

Application Deadline: **Monday, November 14, 2022**

More information is available [here](#).



## PUBLIC-PRIVATE ANALYTIC EXCHANGE PROGRAM

### NEED

In today's dynamic and ever-evolving threat environment, it is not only important for both the public and private sector to maintain situational awareness, but to also actively coordinate and collaborate. It is only by building partnerships and proactively sharing information that we can grow our knowledge base and protect our great Nation – as well as the companies within it.

### BENEFITS

AEP enables public and private sector analysts to gain a greater understanding of how their disparate, yet complementary, roles can work in tandem to ensure mission success.

### CONTACT INFO

[AEP@dhhs.gov](mailto:AEP@dhhs.gov)  
EMAIL  
[www.dhs.gov/private-sector-engagement](http://www.dhs.gov/private-sector-engagement)  
WEBSITE  


### Overview

The Public-Private Analytic Exchange Program (AEP) is sponsored by the Department of Homeland Security's (DHS) Office of Intelligence and Analysis (OIA), on behalf of the Office of the Director of National Intelligence (ODNI). Private Sector Engagement facilitates collaborative partnerships between members of the private sector and experienced U.S. government analysts to form several teams to address national security and homeland security issues. Participants work to create UNCLASSIFIED joint analytic deliverables of interest to both the private sector and the U.S. government.

### Timeline

- SEP: OCT Applications Submission
- OCT: DEC Acceptance Notice
- DEC: JAN AEP Kick-off
- JAN: FEB Research
- FEB: AUG AEP Concluding Summit

### Time Commitment

- All participants should expect to spend 3-7 hours a week supporting the program over a six-month period.
- Each subcommittee has flexibility in determining how they engage but are expected to confer frequently. Most subcommittees collaborate virtually on a weekly basis.
- Participants required to attend the AEP Kick-off meeting in January and the AEP Concluding Summit in August.

### Eligibility

- U.S. Citizen (Must provide proof)
- Employed
- Employer approval (Signed approval)

### AEP Participants Will:

- Collaborate and build relationships with team members.
- Produce joint analytic deliverable for publication and wide distribution across the intelligence community (IC), federal and private sector partners.
- Present their findings to the IC and DHS I&A leadership, other government agencies (federal, state, and local), private sector partners and professional association meetings.

To review AEP deliverables, please visit: [www.dhs.gov/aep-deliverables](http://www.dhs.gov/aep-deliverables)

### Testimonials

"The core concept of the program is vital to ongoing national security efforts."

"The project allowed me to build strong relationships - both professional and personal."

## AWARDS

Congratulations to:

**Zeng, Kai** from the [College of Engineering and Computing](#) for receiving the U.S. Department of the Navy grant on *Spectrum-Efficient, Beam-Agile, Interference-Resilient Millimeter Wave Communications with Reconfigurable Antennas and Intelligent Surfaces*.

**Beheshti, Ali** from the [College of Engineering and Computing](#) and co-PI **Bagheri, Shaghayegh** for receiving the University of Michigan grant on *Automotive Research Center (ARC) A Center for Excellence In Modeling and Simulation of Ground Vehicles Supported by the National Automotive Center*.

**Roeting, William H.** from the [College of Engineering and Computing](#) and co-PIs **Wijesekera, Duminda** and **Kobsac, Joseph T.** for receiving the U.S. Department of the Army grant on *Chief Digital and AI Office (CDAO) Other Transactional Agreement and Public Private Partnership*.

**Costa, Paulo Cesar** from the [College of Engineering and Computing](#) for receiving the Virginia Tech grant on *DALNIM: Dependency-based Assessment of Litigious Network events Impacting the Mission*.

**Jafri, Mohsin Saleem** from the [College of Engineering and Computing](#) for receiving the Pathodynamiacs, LLC grant on *Prediction of Cancer Drug Resistance to Aid in Clinical Decision Making*.

**Baldintsi, Fotini** from the [College of Engineering and Computing](#) for receiving the Silicon Valley Community Foundation grant on *PhD Fellowship Proposal: New Directions in Proof of Storage*.

## FUNDING OPPORTUNITIES

[Communications, Circuits, and Sensing Systems \(CCSS\)](#)

Continuous Submission

[Electronics, Photonics, and Magnetic Devices \(EPMD\)](#)

Continuous Submission

## 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 [idaaz@gmu.edu](mailto:idaaz@gmu.edu)



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