



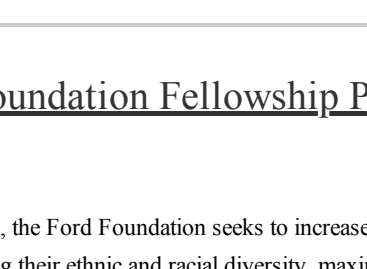
# THE WEEKLY

## DARPA Young Faculty Award Program

The Defense Advanced Research Projects Agency (DARPA) Young Faculty Award (YFA) program aims to identify and engage rising stars in junior research positions in academia and equivalent positions at non-profit research institutions, particularly those without prior DARPA funding, to expose them to Department of Defense (DoD) needs and DARPA's mission to create and prevent technological surprise. The YFA program will provide high-impact funding to elite researchers early in their careers to develop innovative new research that enables transformative DoD capabilities. Ultimately, the YFA program is developing the next generations of researchers focused on national security issues.

Questions? Contact [YFA2023@darpa.mil](mailto:YFA2023@darpa.mil)

More information is available [here](#).



# STUDENT OPPORTUNITIES

## 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**

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

More information is available [here](#).

# VARIOUS OPPORTUNITIES

## RISC 2023 Internship: Application Site Now Open

The Office of the Under Secretary of Defense for Intelligence & Security-sponsored Applied Research Laboratory for Intelligence and Security (ARLIS) at the University of Maryland, College Park, is now accepting applications for the 2023 Research for Intelligence & Security Challenges (RISC) internship program.

A series of RISC information sessions will be held for interested students, including hearing from past RISCers. The first session will be held virtually on **November 16 from 4:00-5:00 pm EST**.

Application Deadline: **Monday, February 6, 2023**

More information is available [here](#).

May 30 - August 4, 2023

Summer Internship Opportunity

Virtual & In College Park, MD

**Duration**  
**10 Weeks | 5/30 - 8/4**

**Eligibility**

- Graduate and undergraduate students
- Should not have graduated before Fall 2022
- Must be a U.S. citizen
- Must be available full-time for the duration of the program

**Disciplines**

- Computer Science
- Information Science
- Engineering
- Mathematics & Statistics
- Social & Behavioral Sciences
- Language & Linguistics
- Data Science
- Public Policy

**Remuneration**  
Hourly basis equivalent to \$9,000-12,000 over 10 weeks.

**Application Deadline**  
Monday, February 6<sup>th</sup>, 2023

**To Apply**  
[www.arlis.umd.edu/risc2023\\_application](http://www.arlis.umd.edu/risc2023_application)

**Research for Intelligence & Security Challenges (RISC)**

The Applied Research Laboratory for Intelligence and Security (ARLIS) at the University of Maryland, College Park, is seeking outstanding undergraduate and graduate students to participate in the virtual **Research for Intelligence & Security Challenges (RISC)** Initiative internship program. This exciting **10-week paid program** pairs students with faculty mentors from **INSURE consortium** member institutions and the Department of Defense (DOD) and Intelligence Community (IC) community, and offers the opportunity to be sponsored for a security clearance and to be considered for **future employment with the U.S. government**.

Students will be introduced to career opportunities with the DoD and IC as well as develop their technical capabilities through hands-on real world problems. Project topics will be posed by government operators, and supported with realistic data sets and other materials. Over the 10-week period, students will conduct research and participate in lectures and regular team development meetings in a shared virtual work environment. The summer program will conclude with a demonstration event and workshop, with a panel of visiting experts from DOD/IC to discuss the results.

## 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 [nurvav1788@gmail.com](mailto:nurvav1788@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. **Online Virginia Network**
- Learn how you can hire an in-person or on-line undergraduate research assistant.

## 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@hq.dhs.gov](mailto:AEP@hq.dhs.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 (I&A), on behalf of the Office of the Director of National Intelligence. DHS I&A 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**

- Applications Submission
- Acceptance Notice
- AEP Kick-off
- Research
- 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](#) and co-PIs **Mark, Brian L.** and **Oughton, Edward John** for receiving the National Science Foundation grant on *NSF Convergence Accelerator Track G: Secure Texting over Non-cooperative Networks and Anti-jamming Enhancement in 5G*.

**Han, Bo** from the [College of Engineering and Computing](#) for receiving the National Science Foundation grant on *Collaborative Research: CNS Core: Medium: Innovating Volumetric Video Streaming with Motion Forecasting, Intelligent Upsampling, and QoE Modeling*.

**Kan, Cing-Dao** from the [College of Science](#) for receiving the National Highway Traffic Safety Administration grant on *NHTSA Finite Elements Modeling Services IDIQ Limousine Crashworthiness Safety Research*.

**Jones, James H.** from [Multidisciplinary Research](#) for receiving the US Secret Service grant on *Virtual Video Series Development and Hosting*.

**Anastasopoulos, Antonios** from the [College of Engineering and Computing](#) for receiving the Meta Platforms, Inc. grant on *Machine Translation Beyond the Top-100 Languages*.

# FUNDING OPPORTUNITIES

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

**Deadline:** Continuous Submission

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

**Deadline:** 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.

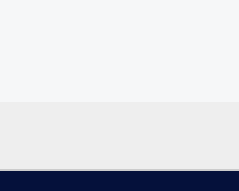
There is no financial burden to you or your departments for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile [here](#).

## 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 [idia2@gmu.edu](mailto:idia2@gmu.edu)



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