



THE WEEKLY

Dear IDIA Colleagues,

We hope everyone had a wonderful holiday break! The **Office of Research Innovation and Economic Impact (ORIEI)** is excited to announce two new seed funding opportunities. Full details for each opportunity are on the [Research Development website](#). The highlights are below.

There was an informational Q&A on Friday, January 21, 2022. The session was recorded and posted on the [Research Development website](#).

Please email idia2@gmu.edu if we can help connect you with other IDIA members or help to facilitate a brainstorming session.

Seed Funding Opportunity Highlights:

1. Building the Foundation – Early Stage Research Seed Funding

Proposal Due Date: February 21, 2022

Funding Decisions: May 5, 2022

Funding Limit: \$50,000

Duration: 12-18 Months (proposals for external funding expected in 18 months)

Eligibility: All faculty currently allowed to submit proposals under Mason's Principal Investigators Policy 4012.

2. Take It to the Next Level – Multidisciplinary Research Seed Funding

Proposal Due Date: February 28, 2022

Funding Decisions: May 5, 2022

Funding Limit: \$100,000

Benefits: Tuition and health insurance for one full-time doctoral student (stipend should be included in proposed budget).

Duration: 12-18 Months

Eligibility: All faculty currently allowed to submit proposals under Mason's Principal Investigators Policy 4012.

UPCOMING EVENTS

Vision Series to Feature Hakeem Oluseyi and “Hack the Stars”

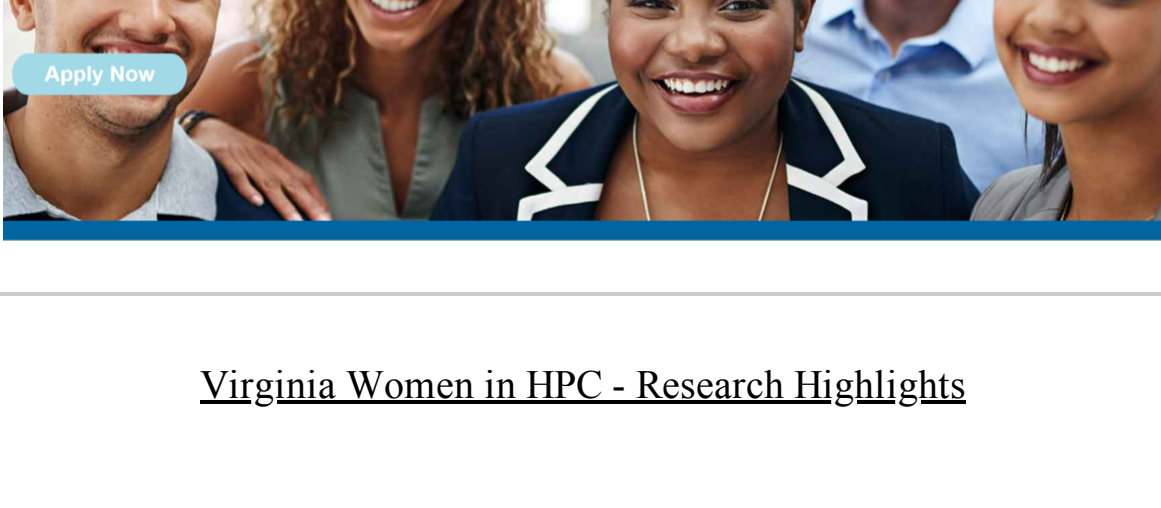


DOE Omni Technology Alliance Internship Program

The U.S. Department of Energy (DOE) Omni Technology Alliance Internship Program provides paid 10-week summer internships for up to three consecutive summers for talented undergraduate and graduate students in Cybersecurity, Information Technology, and other related fields. Interns will hold appointments at DOE national laboratories, Power Marketing Administrations (PMAs), plants, DOE Headquarters, and other approved sites.

Interns will receive hands-on experience in an immersive environment that provides them with an understanding of the mission, operations, and culture of DOE. Moreover, interns will be mentored by leading scientists, engineers, and other top professionals to address cybersecurity and information technology challenges while gaining valuable, real-world experience to complement their education and open opportunities for careers within the federal government.

Applications should be submitted [here](#). The due date is **February 17, 2022, 11:59 pm Eastern Time Zone**.



Virginia Women in HPC - Research Highlights

VIRGINIA WOMEN IN HPC RESEARCH HIGHLIGHTS

WHEN

January 25th, 2022

1:00pm – 2:00pm

WHAT

We are proud to announce the founding of Virginia's first Women in High-Performance Computing (VA-WHPC) program. Join us for our first event of 2022: Female research leaders of the Commonwealth sharing and discussing how HPC has facilitated their scientific research and professional careers.

Topic: How does HPC help with your scientific research -- Faculty perspectives, Part II

Featured Speakers:

- **Anne Brown** - Virginia Tech
- **Jenna Cann** - George Mason University
- **Alexis Edwards** - Virginia Commonwealth University

REGISTER NOW!

THIS VIRTUAL EVENT IS JOINTLY HOSTED BY VIRGINIA COMMONWEALTH UNIVERSITY, GEORGE MASON UNIVERSITY, VIRGINIA TECH, WILLIAM & MARY, UNIVERSITY OF RICHMOND, AND RESEARCH COMPUTING AT THE UNIVERSITY OF VIRGINIA.



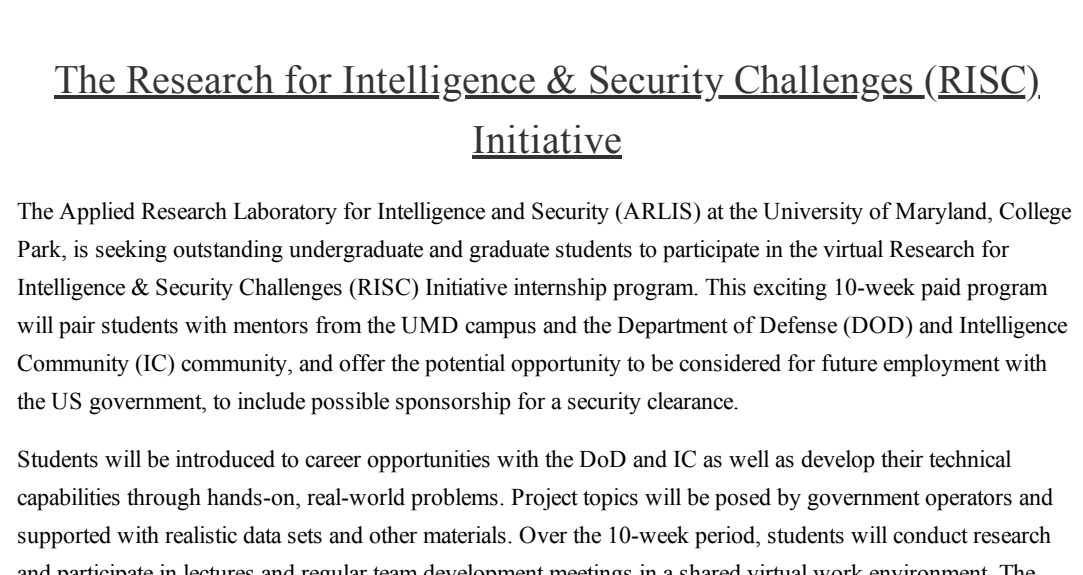
VARIOUS OPPORTUNITIES

Partnerships for Innovation (PFI)

Are you interested in developing your research into a proof-of-concept or prototype? If you have received a research grant from the U.S. National Science Foundation (NSF) or participated in the NSF's Innovation Corps (I-Corps™) program, you may be eligible to apply for an NSF Partnerships for Innovation (PFI) grant.

We invite you to attend a virtual question and answer session on **Tuesday, February 1, 1:00 p.m. – 3:00 p.m. ET**, to learn about the PFI program and the PFI Solicitation ([NSF 19-506](#)). During the webinar, you will have the opportunity to ask questions about the PFI program and what to expect for the submission deadline. You may have attended or registered for a similar webinar in the past, but we want to give you every opportunity to have your questions answered.

Learn more [here](#).



NC State University: Undergraduate Summer Research



Dr. Arnav Jhata
Virtual Narrative



Dr. Chris Martens
Creative Computing



Dr. Thomas Price
Data Driven Hints



NC STATE UNIVERSITY
SOCIOALLY RELEVANT COMPUTING AND ANALYTICS REU PROGRAM
MAY 23TH - JULY 29TH

UNDERGRADUATE SUMMER RESEARCH

This summer, **immerse** yourself in a vibrant, research community of faculty and graduate students. Enjoy working on **cutting-edge** interactive and intelligent media, improving learning and healthcare outcomes, and developing educational technologies, all while collaborating with a diverse group of fellow undergraduate researchers.

- 10 WEEKS OF PAID RESEARCH EXPERIENCE
- COMPLIMENTARY HOUSING WITH A \$5,000 STIPEND
- WORK CLOSELY WITH FACULTY & GRADUATE STUDENTS
- APPLY ONLINE: [HTTPS://GO.NCSU.EDU/SRCA-REU-2022](https://go.ncsu.edu/srca-reu-2022)



Dr. Tiffany Barnes
Educational Data Mining



Dr. Noboru Matsuda
Student Modeling



Dr. Olan Pala
Critical Infrastructure



Dr. Steffen Heber
Biological Algorithms

The Research for Intelligence & Security Challenges (RISC) Initiative

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 will pair students with mentors from the UMID campus and the Department of Defense (DOD) and Intelligence Community (IC) community, and offer the potential opportunity to be considered for future employment with the US government, to include possible sponsorship for a security clearance.

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 DOD/IC to discuss the results.

Job Title: Summer Internship for Hard Security Problems

Dates: May 31 - Aug 5, 2022

Deadline: February 11, 2022

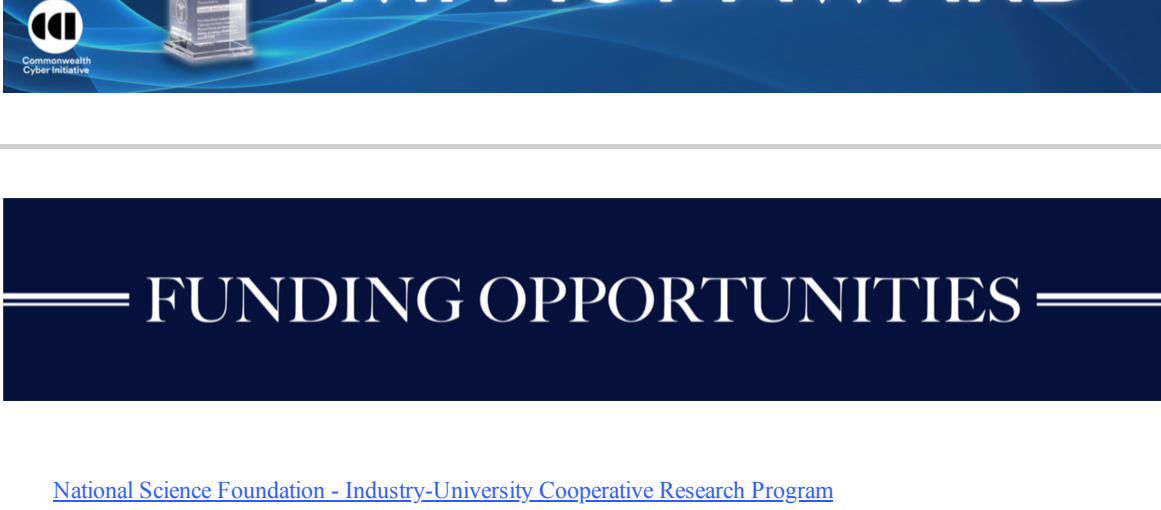
Learn more [here](#).

Summer Undergraduate Research Fellow (SURF)

The SURF Program is designed to inspire undergraduate students to pursue careers in STEM (science, technology, engineering, and mathematics) through a unique research experience that supports the NIST mission. Over the course of 11 weeks, SURF students contribute to the ongoing research of one of the six NIST facilities which are the Communications Technology Laboratory (CTL), Engineering Laboratory (EL), Information Technology Laboratory (ITL), Material Measurement Laboratory (MML), NIST Center for Neutron Research (NCNR), and Physical Measurement Laboratory (PML) (which now includes a project in the Center for Nanoscale Science and Technology).

Summer Undergraduate Research Fellowship Program in Boulder, CO (Application Deadline: February 15, 2022): <https://www.usajobs.gov/job/629220400>

Summer Undergraduate Research Fellowship Program in Gaithersburg, MD (Application Deadline: February 15, 2022): <https://www.usajobs.gov/job/629220500>

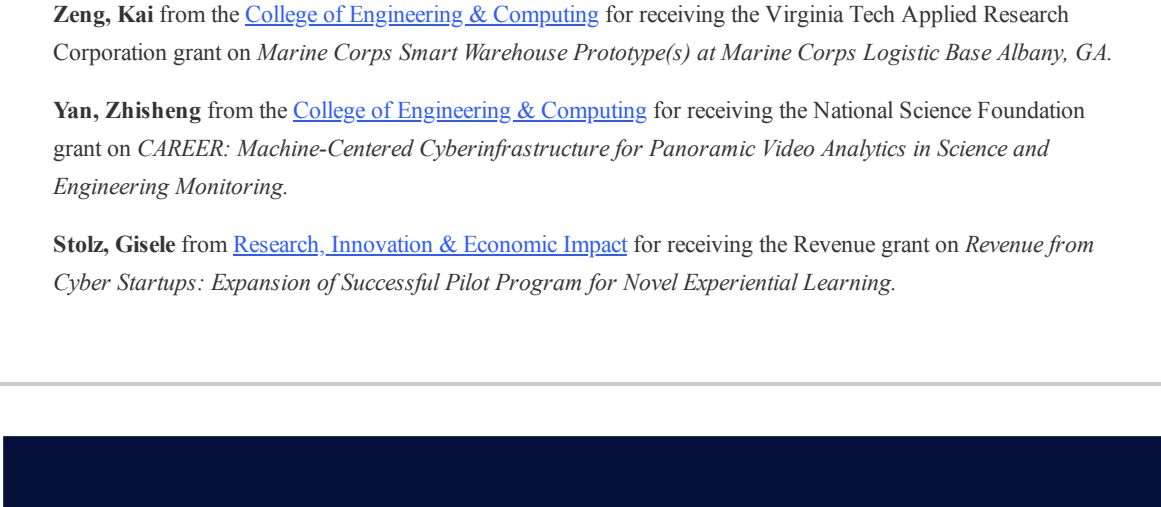


CCI Impact Award

We're excited to announce the CCI Impact Award. Nominations are due Feb. 28, 2022 (self-nominations are welcome). The inaugural award will be presented at the annual CCI Symposium in April (more information on the CCI Symposium will be coming soon).

This annual flagship award recognizes an individual, team, group, or organization who, through their CCI activities, has conducted breakthrough cybersecurity research or innovation or developed a creative means to improve cybersecurity workforce opportunities for our industry partners and students. The impact must be at a minimum regional, but optimally, state-wide or nationally recognized and is measured through economic metrics, professional standards or publications, media attention, and more.

Click [here](#) to visit the webpage, which includes the nomination form.



FUNDING OPPORTUNITIES

[National Science Foundation - Industry-University Cooperative Research Program](#)

Full Proposal Date - March 09, 2022

[National Science Foundation - EPSCoR Research Infrastructure Improvement Program: Bridging EPSCoR Communities](#)

Full Proposal Date - April 04, 2022

AWARDS

Congratulations to:

Khasawneh, Khaled from the [College of Engineering & Computing](#) and Co-PI **Pudukotai Dinakarrai, Sai Manoj** for receiving the Virginia Innovation Partnership Authority grant on *Energy-Preserving NextG Cryptography for Power Constrained Devices*.

Zhang, Jie from the [College of Science](#) for receiving the Predictive Science, Inc. grant on *Understanding the Physical Processes that Govern the Structure and Dynamics of Coronal Mass Ejections*.

Vollmecke, Eric W from the [College of Engineering & Computing](#) and Co-PI **Crissman, Sherry Djo** for receiving the US Department of the Air Force (USAF) grant on *MUDLAN Acceleration for Demonstrations & Deployment (MADD)*.

Baldimtsi, Fotini from the [College of Engineering & Computing](#) and Co-PIs **Li, Jiansun** and **Kugler, Maurice D** for receiving the US Department of Homeland Security grant on *Money Laundering with Crypto Currencies: How widespread is it and how can it be detected through big-data analysis?*

Zeng, Kai from the [College of Engineering & Computing](#) for receiving the Virginia Tech Applied Research Corporation grant on *Marine Corps Smart Warehouse Prototype(s) at Marine Corps Logistic Base Albany, GA*.

Yan, Zhisheng from the [College of Engineering & Computing](#) for receiving the National Science Foundation grant on *CAREER: Machine-Centered Cyberinfrastructure for Panoramic Video Analytics in Science and Engineering Monitoring*.

Stolz, Gisele from [Research, Innovation & Economic Impact](#) for receiving the Revenue grant on *Revenue from Cyber Startups: Expansion of Successful Pilot Program for Novel Experiential Learning*.

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](#)

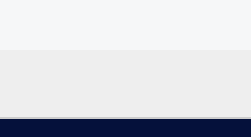
Become part of the [dynamic multidisciplinary faculty network](#) focused on digital techniques and technologies to advance fields as diverse as finance, education, built infrastructure, science, economics, agriculture, health, transportation, entertainment, national security, and social justice.

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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