



## THE WEEKLY

Dear IDIA Colleagues,

We hope everyone is having a great start to the semester and continuing to do awesome work. As you already know, we started our spotlight section last Fall to feature research and grants that focus on digital innovation. If you are part of a center, research, or grant that integrates emerging fields and technologies, please reach out to us so that we can feature you in upcoming editions of our newsletter this semester.

Contact us at [idia2@gmu.edu](mailto:idia2@gmu.edu) or click the button below. Let's connect and collaborate.

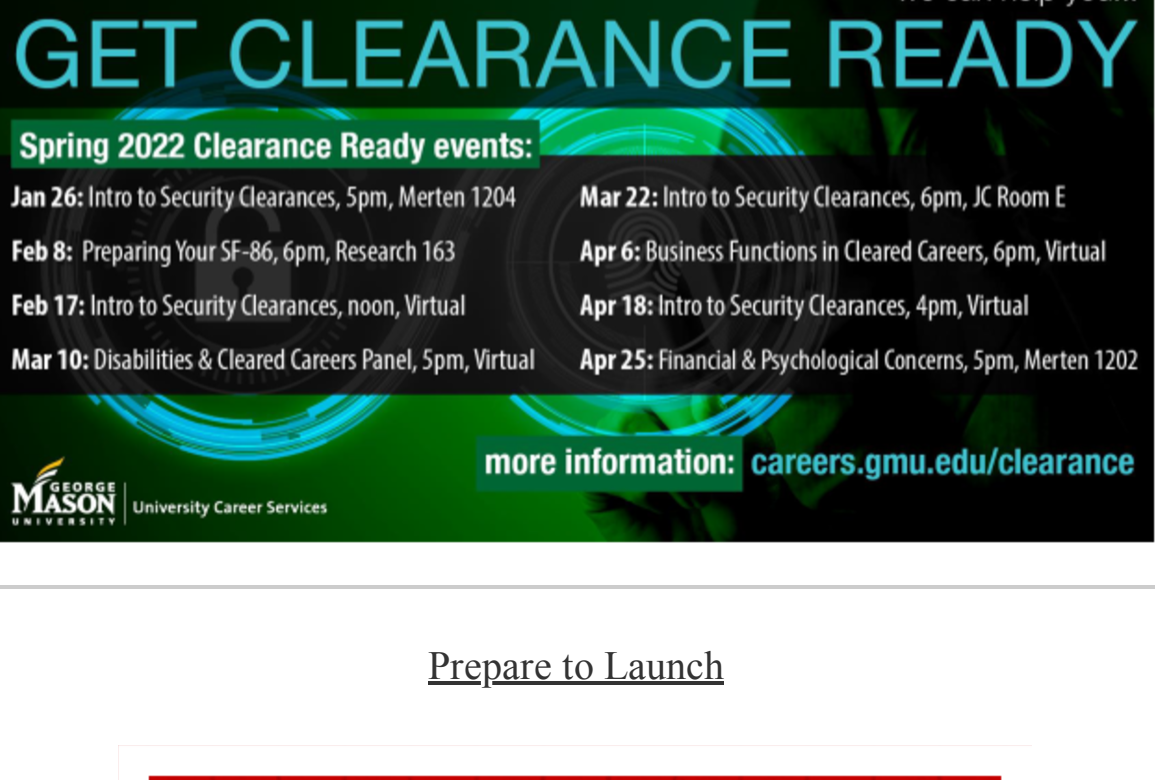


Get Featured in Our Next Weekly

## UPCOMING EVENTS

### Two Hacks in One: A Double Hackathon at Mason

Mark your calendar for Mason's TechConnect Hacks, featuring two coinciding hackathons: [PatristHacks](#) and [Hack Overflow](#). Registration opening soon. Learn more [here](#).



### Smart City Challenge



### Get Clearance Ready!

want to work for **federal** agencies or contractors, but not sure what it takes to get hired? we can help you...

## GET CLEARANCE READY

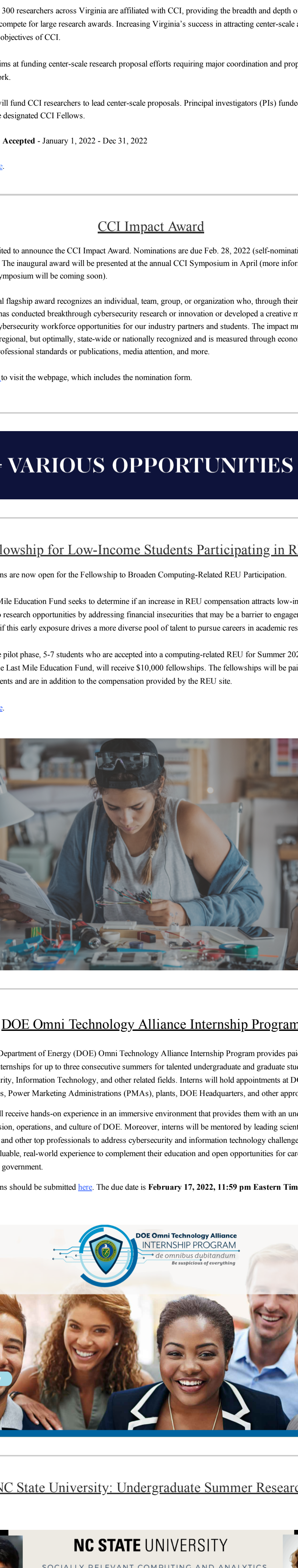
**Spring 2022 Clearance Ready events:**

<b>Jan 26:</b> Intro to Security Clearances, 5pm, Merten 1204	<b>Mar 22:</b> Intro to Security Clearances, 6pm, JC Room E
<b>Feb 8:</b> Preparing Your SF-86, 6pm, Research 163	<b>Apr 6:</b> Business Functions in Cleared Careers, 6pm, Virtual
<b>Feb 17:</b> Intro to Security Clearances, noon, Virtual	<b>Apr 18:</b> Intro to Security Clearances, 4pm, Virtual
<b>Mar 10:</b> Disabilities & Cleared Careers Panel, 5pm, Virtual	<b>Apr 25:</b> Financial & Psychological Concerns, 5pm, Merten 1202

**more information:** [careers.gmu.edu/clearance](https://careers.gmu.edu/clearance)

**MASON** UNIVERSITY Career Services

### Prepare to Launch



## CCI OPPORTUNITIES

### Call for Proposals for Industry-Faculty Collaboration Acceleration Program (IFCAP)

The Commonwealth Cyber Initiative (CCI) is establishing Virginia as a global center of excellence at the intersection of security, autonomous systems, and intelligence. With a mission of research, innovation, and workforce development, CCI serves as a catalyst for the Commonwealth's economic development and long-term leadership in the cybersecurity sector.

Under the Industry-Faculty Collaboration Acceleration Program (IFCAP), CCI NoVa Node faculty may apply for and receive up to \$80k of funding to support their contributions to R&D efforts identified, curated, and developed with and/or by one or more industry/government partner(s).

**Total Amount of Funding for this Program:** \$400,000

**Maximum Award Amount:** \$80,000 per proposal

**Email Notice of Intent to Submit:** February 14, 2022

**Proposals Due:** March 21, 2022

Learn more [here](#).

### Call for Proposals for CCI Fellows Program 2022

Virginia's Commonwealth Cyber Initiative (CCI) is creating a Commonwealth-wide ecosystem of innovation excellence at the intersection of cybersecurity, autonomous systems, and intelligence. CCI's mission includes research, innovation, and workforce development.

More than 300 researchers across Virginia are affiliated with CCI, providing the breadth and depth of expertise needed to compete for large research awards. Increasing Virginia's success in attracting center-scale awards is one of the objectives of CCI.

This call aims at funding center-scale research proposal efforts requiring major coordination and proposal-writing work.

This call will fund CCI researchers to lead center-scale proposals. Principal investigators (PIs) funded under this call will be designated CCI Fellows.

**Proposals Accepted** - January 1, 2022 - Dec 31, 2022

Apply [here](#).

### 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.

## VARIOUS OPPORTUNITIES

### Fellowship for Low-Income Students Participating in REUs

Applications are now open for the Fellowship to Broaden Computing-Related REU Participation.

The Last Mile Education Fund seeks to determine if an increase in REU compensation attracts low-income students to research opportunities by addressing financial inequalities that may be a barrier to engagement, and ultimately if this early exposure drives a more diverse pool of talent to pursue careers in academic research.

During the pilot phase, 5-7 students who are accepted into a computing-related REU for Summer 2022 and apply to the Last Mile Education Fund, will receive \$10,000 fellowships. The fellowships will be paid directly to the students and are in addition to the compensation provided by the REU site.

Apply [here](#).



### 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**.

**DOE Omni Technology Alliance INTERNSHIP PROGRAM**  
REU PROGRAM  
MAY 23<sup>RD</sup> - JULY 29<sup>TH</sup>

**Apply Now**

**Dr. Arnon Jhalu**  
Virtual Narrative

**Dr. Chris Martens**  
Creative Computing

**Dr. Thomas Price**  
Data Driven Hints

**Dr. Tiffany Barnes**  
Educational Data Mining

**Dr. Neboru Matsuda**  
Student Modeling

**Dr. Olan Pala**  
Critical Infrastructure

**Dr. Stefan Heber**  
Biological Algorithms

**NC STATE UNIVERSITY**  
SOCIALLY RELEVANT COMPUTING AND ANALYTICS  
REU PROGRAM  
MAY 23<sup>RD</sup> - JULY 29<sup>TH</sup>

**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/src-a-reu-2022)

**QR Code**

### 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 UMDC 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 summer program will conclude with a demonstration meeting and workshop with a panel of visiting experts from 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/629270400>

Summer Undergraduate Research Fellowship Program in Gaithersburg, MD (Application Deadline: February 15, 2022): <https://www.usajobs.gov/job/629270500>



## FUNDING OPPORTUNITIES

[National Science Foundation - Expanding Capacity in Quantum Information Science and Engineering \(ExpandQISE\)](#)

Letter of Intent Required - April 1, 2022

[National Science Foundation - NSF Boosting Research Ideas for Transformative and Equitable Advances in Engineering \(BRITTE\)](#)

Full Proposal Deadline - April 25, 2022

[National Science Foundation - Expeditions in Computing](#)

Full Proposal Deadline - April 25, 2022

[Binational Industrial Research and Development \(BIRD\) Foundation - Homeland Security \(HLS\) Technology Program](#)

Executive Summary Deadline - April 25, 2022

[Agency for Healthcare Research and Quality/DHHS - Disseminating and Implementing Patient-Centered Outcomes Research \(PCOR\) Evidence into Practice through Interoperable Clinical Decision Support \(R18\)](#)

Full Proposal Deadline - May 27, 2022

[National Cancer Institute/NIH/DHHS - Innovative Approaches to Studying Cancer Communication in the New Information Ecosystem \(R21 Clinical Trial Optional\)](#)

Proposal Deadline - June 9, 2022

## AWARDS

### Congratulations to:

**Kelly, Theodore Mills** from the [College of Humanities & Social Sciences](#) and Co-PI **Murali, Deepthi** for receiving the National Endowment for the Humanities (NEH) grant on *Subaltern Histories of Global Textiles: Connecting Collections, Expanding Engagement*.

**GB, Charlotte E** from the [College of Humanities & Social Sciences](#) for receiving the City of Seattle grant on *RILL: ABSTRACT Crime Data Analysis & Reporting*.

**Genaro Motti, Vivian** from the [College of Engineering & Computing](#) for receiving the Virginia Innovation Partnership Authority grant on *Human-Centric Training for Privacy and Security Controls: Bridging the Awareness Gap for Diverse Populations*.

**Osterweil, Eric** from the [College of Engineering & Computing](#) for receiving the Virginia Innovation Partnership Authority grant on *Enabling Invisible Security and Privacy for Resilient Human-Centric Cybersecurity Systems*.

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



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