



THE WEEKLY

A banner for Innovation Week. The text "Innovation Week" is prominently displayed in a large, white, sans-serif font. To the right, a hand is shown with colorful circuit lines extending from it, representing innovation and technology. At the bottom left are the logos for the College of Engineering and Computing and the Institute for Digital Innovation. At the bottom right is a QR code and the URL "bit.ly/3SOHYkX".

The College of Engineering and Computing designed Innovation Week events to showcase how engineering and technology lead the way innovating technologies and experiences. Engineering and technology allow for more access and inclusion in communities, reflecting the needs of an evolving and global society. Learn more about Innovation Week Events [here](#).

Below are highlighted events from Innovation Week:

The Future of Education (Part 1): The Age of Generative AI

- Faculty who are leveraging generative AI technologies to aid their teaching and enable students to advance their learning are welcome to register for this workshop. Come out and learn how to use generative AI to help students absorb topics beyond program correctness, see alternative solutions, and improve student access to challenging topic.

Event date: **Wednesday, February 21 from 9:00 AM to 11:30 AM**

Event location: **5th Floor, Lloyd Griffith's Conference Room Long and Kimmy Nguyen**

Engineering Building, Fairfax Campus

More information available [here](#).

The Future of Education (Part 2): Hands on Generative AI

- CEC graduate and undergraduate seniors are welcome to engage in this CEC workshop about how they can use generative AI technologies. Learn what your peers are doing in this area so you can leverage this technology safely in your courses. Bring your laptop. Pizza will be provided.

Event date: **Wednesday, February 21** from **12:00 PM to 2:30 PM**

Event location: **5th Floor, Lloyd Griffith's Conference Room Long and Kimmy Nguyen Engineering Building, Fairfax Campus**

More information available [here](#).

Connecting to the Future (Part 1)

- CEC faculty can register here to come and celebrate our CEC and Transdisciplinary centers as nexus points that connect people with ideas, problems, and solutions. Engage with our keynote speaker, Jim Hileman, PhD, Vice President and Chief Engineer, Sustainability, and Future Mobility – The Boeing Company. Learn about how CEC centers activate impactful, innovative research, how they engage diverse funders, industry partners, faculty, and students. Hear from our center directors on the best practices for maximum engagement and productivity and share your perspective. Light refreshments will be provided

Event date: **Friday, February 23** from **8:00 AM to 2:00 PM**

Event location: **Johnson Center Bistro, George Mason University Fairfax Campus**

More information available [here](#).

Strategizing for the Future

- CEC faculty and students are welcome to engage with Christian Crews, a self-described futurist focused on corporate strategic innovation. Crews will highlight how the futurist approach uses long-term planning to anticipate and prepare for future trends and potential disruptions and then develop a competitive advantage.

Event date: **Friday, February 23** from **3:00 PM to 4:15 PM**

Event location: **Room 1108, Long and Kimmy Nguyen Engineering Building George Mason University, Fairfax Campus**

More information available [here](#).

UPCOMING EVENTS

Writing Workshop for Teaching and Mentoring Statements

Are you working to figure out how to convey the impact and effectiveness of your teaching and mentoring for renewal, tenure, and/or promotion? You are invited to a discussion and writing workshop about preparing your teaching and mentoring impact statement. The workshop is appropriate for faculty in any discipline. You will

outline your teaching, learning, and mentoring strategies for developing and presenting to peer and reviewer audiences. This interactive workshop will be facilitated by faculty members who have successfully navigated the promotion process at Mason.

Event date: **February 15** from **1:30 PM to 3:00 PM**

Register [here](#).

DASSH 2024 - Designing Actionable Solutions for a Secure Homeland

The three-day event will bring together students, academic experts, and industry leaders to collaborate on real-world problem scenarios related to "Cascading Events." These scenarios will focus on detection and mitigation, covering areas such as cyber-attacks, natural disasters, and human-engineered sabotage. This is not just another hackathon; it's an opportunity for students to design, build, and implement innovative solutions that will be presented to DHS leadership. The event will be a hybrid experience, allowing students to engage in person at participating schools while mentors and judges join virtually via Zoom and Discord.

Event date: **February 23-25, 2024**

Learn more and register [here](#).



NSF Workshop on Sustainable Computing for Sustainability

The NSF Workshop on Sustainable Computing for Sustainability seeks to identify open challenges in how to harness computing to tackle sustainability problems, and in ensuring that computing accounts for sustainability in its own development and operation. Due to space limitations, the workshop will follow a hybrid format with approximately 100 in-person attendees, and remote participation feasible through a zoom webinar.



National Science Foundation

Event date: **April 16-17, 2024**

Learn more [here](#).

Global Virginia Summit



Our Vision

Empower Virginia's students and workforce to compete in an increasingly interconnected world.

Our Mission

Build a global ready Virginia that has a strong multilingual, interculturally competent workforce, prioritizing pathways to bilingualism/multilingualism, biliteracy, and intercultural competence.

We invite you to join the
5th Global Virginia Summit
“Partnering for Global Career Readiness”
March 19th, 2024 from 10am to 1pm.
[Registration link](#) - this event is virtual

We believe by expanding and increasing access to world language exposure and study throughout the K-12 and post-secondary education system increases global competitiveness by improving both linguistic proficiency and intercultural competence. We also believe that better understanding the existing workforce, heritage and native speaker populations, Virginia can improve its economic stature nationally and internationally.

We need your voice and legislative action to translate our language roadmap goals into opportunities for Virginians!



Global Virginia President: Tom Haines at
www.globalvirginia.org



globalvirginia2030@gmail.com

Tech Innovation Policy “Boot Camp” for Early Career Researchers

George Mason University's Schar School of Policy and Government and the University of Maryland's Center for Global Sustainability are pleased to invite applicants to participate in their 2024 energy and climate-tech innovation policy “boot camp” for early career researchers. The Mason-Maryland boot camp's main purpose is to strengthen researchers' understanding of how energy and climate-tech policy is made, so their research has a

greater impact on real-world clean energy and climate innovation outcomes. It is supported by the Alfred P. Sloan Foundation.

Learn more [here](#).

2024 Annual ORAU Council of Sponsoring Institutions Meeting

The theme of the annual meeting, Redefining the Next Generation STEM Enterprise, is very timely and should generate some interesting dialog among all attendees. The meeting format will feature three keynote presentations and four panel discussions. The Annual Meeting is free to attend, and is open to faculty, students, and administration at ORAU member universities. There is no limit on the number of attendees from each university. While in-person attendance is encouraged, a virtual option is available.

Learn more and register [here](#) by **February 23, 2024**.



VARIOUS OPPORTUNITIES

2024 NSF ACCESS Student Training and Engagement Program

ACCESS Operations is launching its Student Training and Engagement Program (STEP). STEP will function as a three-phase program intended for undergraduates or early-career graduate students interested in pursuing careers in cyberinfrastructure.

Applications due: **March 1, 2024**

Learn more and register [here](#).



CCI OPPORTUNITIES

2024 CCI Symposium



REGISTER TODAY!

2024

April 15 & 16

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COMMONWEALTH CYBER INITIATIVE

SYMPOSIUM

Omni Hotel in Richmond, VA

Cybersecurity Traineeship

The Northern Virginia Node of the Commonwealth Cyber Initiative invites applications for full-time, paid, 7-week traineeship program in cybersecurity. The program will be conducted completely ONLINE by instructors from the Northern Virginia Community College. This program is part of a larger effort to develop data analytics and cybersecurity expertise in the Virginia workforce. CCI Trainees will also receive career placement support from the George Mason University and Northern Virginia Community College to facilitate connections with cybersecurity companies.

Applications due: **March 15, 2024**

Learn more [here](#).

Undergraduate Research Assistantship - Cybersecurity Research for Supply Chains

CCI, funded by the Virginia General Assembly, created a Commonwealth-wide ecosystem of innovation in cybersecurity and cyber-physical systems (CPS) security. CCI will ensure Virginia is recognized as a global leader in secure CPS, and in the digital economy more broadly, for decades to come by supporting world-class research at the intersection of data, autonomy, and security; promoting technology commercialization and entrepreneurship; and preparing future generations of innovators and research leaders. George Mason University serves as the leading strategic planning and operational institution for the Commonwealth Cyber Initiative's NoVa Node. The project is to investigate utility of machine learning and AI methods in improving cybersecurity of supply chains.

Learn more [here](#).

AWARDS

Congratulations to:

Kavak, Hamdi from the [College of Science](#) for receiving the National Science Foundation grant on *Individualized and Effective Cyber Risk Training for the Maritime Industry Using Large Language Models*.

Luo, Songjun from the [College of Engineering and Computing](#) for receiving the US Department of Defense grant on *Develop means to increase the capacity and throughput of a large warehouse while reducing personnel labor hours and cost of operations*.

Berry, Alok K. from the [College of Engineering and Computing](#) for receiving the National Science Foundation grant on *Louis Stokes New STEM Pathways and Research Alliance: Virginia--North Carolina (2023-2028)*.

Barbara, Daniel from the [College of Engineering and Computing](#) for receiving the Air Force Research Laboratory grant on *Metadata Overlay for Live-Streaming and Geolocating Security Incident Reporting System*.

FUNDING OPPORTUNITIES

[National Science Foundation \(NSF\) – Assessing Societal and Economic Impacts of Place-Based Innovation](#)

Deadline: **April 17, 2024**

[National Institutes of Health - Shared Instrumentation Grant Program](#)

Deadline: **June 3, 2024**

[National Science Foundation - Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science \(SCH\)](#)

Deadline: **October 30, 2024**

[National Institutes of Health - Research on the Impact of and Methods for Implementing Regional Genomic Medicine eConsult Services](#)

Deadline: **April 30, 2024**

*If a funding opportunity limits the number of applications the university can submit, it will be posted and managed through the Research Development Services office. Please contact limited@gmu.edu or Sheila Davis.

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



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