

## News

- [NASA headliners announced for upcoming George Mason Space Day](#)
- [George Mason University welcomes the largest new undergraduate class in its history](#)
- [High schoolers explore renewable energy engineering at Mason Square summer camp](#)
- [Nursing students help underserved communities get their kids back-to-school ready](#)

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## Events

### [NASA, Earth, and Space](#)

Sep 4, 2024, 1:00 - 2:30 PM

Johnson Center Cinema, Fairfax Campus

The Office of Research, Innovation, and Economic Impact invites you to attend NASA, Earth, and Space September 4 from 1 to 2:30 p.m. in the Johnson Center Cinema, Fairfax Campus. Jack Kaye, NASA's associate director for research in the Earth Science Division, will discuss current space exploration efforts and future prospects.

Following his talk, a panel of George Mason faculty, including Anamaria Berea, Liping Di, Jim Kinter, and Peter Plavchan, will present their NASA-funded research, share outcomes, and explore collaboration and funding opportunities. Attendees will have a chance to engage with Kaye and the panelists through a Q&A session. You are encouraged to bring students with you who are interested in NASA and its work. Event is part of the Climate Dynamics seminar series.

[Click Here to Register](#)

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### [ScienceConnect - Fairfax campus](#)

Sep 5, 2024, 12:30 - 4:30 PM

Exploratory Hall

Join us for ScienceConnect this September and get to know the Mason Science community.

Start off the semester by meeting College of Science faculty, staff, and students while exploring college programs, research, and professional opportunities. Be sure to grab some food and win college SWAG.

On Thursday, September 5, check out the overflow of plants from our Biology Greenhouse at the plant sale in front of Exploratory Hall. All proceeds from the sale will go to the College of Science Student Emergency Fund.

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#### **Women Building Bio 2024**

Sep 25, 2024, 8:00 AM - 4:30 PM

Norfolk, VA

Virginia Bio's Women Building Bio Conference celebrates the contribution of women to the life sciences in the Commonwealth and beyond. The 9th annual conference returns to the Hampton Roads area and is hosted at the newly named Macon & Joan Brock Virginia Health Sciences at Old Dominion University. They will place a lens on the issues and innovation within our ecosystem contributing to the progress in women's health initiatives.

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#### **District Energy and the Potential for Applications in Northern Virginia**

Oct 22, 2024, 12:00 PM - 1:20 PM

Sustaining reductions of greenhouse gases and supplying efficient and reliable energy to Northern Virginia's data centers is a complex economic and environmental process. Among the complex set of technical and policy factors are the potential to move heat between sources and users via district energy systems. Generally, district energy systems convey heat between suppliers and buyers between, or among buildings. There are many successful examples throughout the European Union in which data centers have been integrated into local-level district energy systems. These local-level district energy systems have the potential to inform the growth of equivalent approaches in Northern Virginia. Understanding the potential to adopt district energy systems from Europe to Northern Virginia will involve a thoughtful assessment of the region's unique regulatory and technical cosmos.

Mr. Preston Bryant, Jr., Senior Vice President, McGuire Woods Consulting, and Mr. Noah Nkonge, Senior Manager, Heat Export Lead, Equinix, will speak to clarify constraints and opportunities affecting district energy's applications in Northern Virginia.

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#### **Center for Infectious Diseases Research Conference**

Nov 7, 2024, 9:00 AM - 5:00 PM

There is an exciting new conference from colleagues at the Center for Infectious Diseases Research

(CIDR) on November 7, 2024, which covers the latest findings on viral, bacterial and other exotic and emerging pathogens. The meetings in on the Geroge Mason University Science and Technology Campus, and the talks will be from local leaders including NIH, FDA and some of the local universities including University of Virginia, Georgetown University and George Washington University.

This one-day meeting is expected to attract colleagues, students and other professionals (mix of academia and industry) interested in Diagnostics, Therapeutics, Novel Technologies that cover the infectious disease arena and Public health policies that impact national security. It is expected that ~100-150 people will attend and the registration is free compliments of CIDR. There will also be a tour of the BRL at GMU, which is the largest NIH funded facility in the States. Two confirmed Keynote speakers to date include Dr. Robert Redfield (former director of CDC) and Dr. Avi Nath (NIH clinical director for NINDS). There will be time for posters and company vendor showcases during the meeting.

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## **Funding Opportunities**

### **Proposal Editing Support (Free, capacity limited)**

Graduate student led teams from English 489-509 ( Proposal Writing and Development) will provide feedback on near-final or previously submitted proposals in terms of how the proposal meets the requirements of the proposal solicitation. Please provide the proposal, and the proposal solicitation by October 10. For previously reviewed proposals, you could also provide the reviewer comments. Feedback and edits will be provided no later than December 16th. All applications will be kept confidential. There are limited spaces in this program, and you will be notified by email, if selected to participate.

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### **Strategic Request for Proposals (RFP) Analysis**

Graduate student led teams from English 489-509 ( Proposal Writing and Development) will provide strategic feedback on previously submitted proposals or articles in terms of how they might match a different request for proposal solicitation. Please provide the proposal or your published article on which the proposal will be based and the targeted proposal solicitation(s) by October 10. For previously reviewed proposals, you could also provide the reviewer's comments. Feedback on the fit of your project for the proposal solicitation will be provided December 16th. All applications will be kept confidential. There are limited spaces in this program, and you will be notified by email, if selected to participate.

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## **Student Opportunities**

### **Unmanned Aerial Systems Prototyping**

The MIX Drone prototyping workshop series will return for Fall 2024! For the last four semesters, the MIX has hosted a 9-week unmanned aerial vehicle (UAV) prototyping short course that provides students the opportunity to learn the fundamental introductory concepts related to UAVs and advanced manufacturing through hands-on experience building. Students learn basic concepts in mechanical systems, microcontrollers, computer vision, aircraft dynamics, and their integration to build a drone. After successful completion of this course, students earn a digital micro-credential from GMU to put on your resume.

[Click Here to Register](#)

**The Institute for a Sustainable Earth (ISE)** aims to connect members of the Mason community with others across the Mason community—and with other communities, policy-makers, businesses and organizations—so that, together, we can more effectively address the world’s pressing sustainability and resilience challenges.

**The ISE Newsletter** provides up-to-date information on conferences, funding opportunities, and research pertaining to environmental science and sustainability. The biweekly newsletter aims to facilitate information sharing among researchers, practitioners, and relevant local, national, and international organization.



[ise.gmu.edu](http://ise.gmu.edu)

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