

Announcements

Summer Graduate Research Fellowships with Organizations on the Front Lines of Sustainability Challenges

Co-sponsored by Mason's [Graduate Division](#) and the [Institute for a Sustainable Earth](#), the 2024 **Sustainability Summer Fellowships for Graduate Research Partnerships** program provides financial support and professional development to graduate students who will work with partner organizations on applied research projects. This opportunity is designed to connect students with organizations making a positive impact on our world. Together, fellows and partner organizations will identify research and action priorities for the period of the fellowship, allowing students to gain valuable experience and organizational access. Participants in the Sustainability Summer Fellowship program will then be able to leverage this research partnership in their dissertation or master's thesis work.

[Click Here to Learn More](#)



In the News

- [Mason Special Education Program Faculty Awarded Virginia Department of Education Traineeship Grants.](#)
- [AI infrastructures are a national security and human safety issue, a Mason professor says.](#)
- [Mason researchers study the physical and mental demands on collegiate dancers.](#)
- [Sharing the health benefits of climate solutions can boost public support for change.](#)
- [Mason scientist receives NASA funding to aid supermassive black hole observations.](#)
- [Mason scientists in I-SPY 2 trial discover first-ever signatures of global resistance and response to prioritize breast cancer treatment selections, including in triple-negative cases.](#)
- [Endocrine-disrupting chemicals found in menstrual products including tampons, pads, and liners.](#)

Events

How Microgrids Can Help Localities on Data Center and Critical Infrastructure Energy Challenges. Enchanted Rock (Houston, TX) is one of the largest microgrid developers in the nation. Natural gas-powered microgrids provide localities an economically viable, quieter, and more environmentally friendly alternative to diesel-powered backup power for data centers and critical infrastructure. Microgrids also can meet electric demand requirements when utilities are delayed in providing power. Join NVRC and Enchanted Rock on January 30, 2024, at 12:00 – 1:00 pm to learn how microgrids can help localities on energy challenges around data centers and critical infrastructure.

Tuesday, January 30, 2024 | 12:00 PM (ET) | [Click here to register.](#)

Funding Opportunities

Heather's Highlights: Each week we will highlight current funding opportunities, alternating between the six ISE Research Themes.

Research Theme 1: Human Health, Well-Being, and Capabilities

*The Department of Health and Human Services (DHHS) is issuing a Notice of Funding Opportunity (NOFO): **Systems-Based Approaches to Improve Patient Safety by Improving Healthcare Worker Safety and Well-Being.***

The purpose of this NOFO is to advance system-level approaches to improve patient safety by improving healthcare worker safety and well-being. Patient safety cannot be fully achieved without healthcare worker safety and well-being. This NOFO will contribute to AHRQ's goal of reinvigorating the patient safety movement by adding fresh perspectives and insights of healthcare professionals to efforts to improve patient safety.

Application Due Dates: February 5, 2024

Funding Amount: \$2,000,000

Research Theme 2: Sustainable and Resilient Communities and Ecosystems

*The U.S. Fish and Wildlife Service has announced its **Coastal Program FY24**.*

The Coastal Program projects must support the mission of the U.S. Department of the Interior (DOI), U.S. Fish and Wildlife Service, and the Coastal Program and be based on biological principles and the best available science. The Coastal Program takes an adaptive approach to designing and implementing coastal ecosystem habitat protection and restoration strategies that anticipate and ameliorate the impacts of climate change and other environmental stressors. Coastal Program habitat improvement projects strive to increase coastal resiliency by improving the ability of coastal ecosystems to adapt to environmental changes and supporting natural and nature-based infrastructure projects to protect and enhance coastal habitats.

Application Due Date: May 30, 2024

Funding Amount: \$500,000

Research Theme 3: Harnessing the Digital Revolution for Sustainability and Education for All

*The National Archives and Records Administration has announced a **Publishing Historical Records in Collaborative Digital Editions (Second Deadline)** program.*

The National Historical Publications and Records Commission seeks proposals to publish online editions of historical records. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio. Projects may focus on broad historical movements in U.S. history, including any aspect of African American, Asian American, Hispanic American, and Native American history, such as law (including the social and cultural history of the law), politics, social reform, business, military, the arts, and other aspect of the national experience.

Application Due Date: November 7, 2024

Funding Amount: \$125,000

Student Opportunities

NASA MSI Incubator: Wildfire Climate Tech Challenge

NASA's Wildfire Climate Tech Challenge, part of the MSI Incubator initiative, seeks innovative solutions for wildfire prevention and climate technology. NASA invites students and employees of Minority Serving Institutions (MSIs) to address the escalating issues caused by wildfires exacerbated by climate change. Successful participants will have the opportunity to join a startup incubator program and compete for a prize of \$100,000. Additionally, this initiative offers a platform for participants to present their ideas to venture capitalists and NASA experts, furthering the development of technology in the fields of wildfire prevention and climate change, while promoting inclusivity and diversity.

Click [here](#) to learn more.

Global Sustainability Scholars Fellows Program

The GSS Fellows program offers a 10-week paid immersive training and mentoring with a global sustainability organization. Fellows will gain professional work experience, receive professional mentorship and professional development training, and build an international professional network in sustainability science. We will accept 5 -10 fellows per year to join the GSS community, provide advanced professional development training, and build professional connections that foster opportunities for employment and/or graduate school opportunities.

Click [here](#) to learn more.

Center for Democracy and Civil Society Research Symposium

The annual Democracy and Governance Student Research Symposium will take place on March 20th, 2024 at Georgetown University. Hosted by the Center for Democracy and Civil Society, the symposium is an opportunity for graduate students from D.C., Maryland, and Virginia (DMV) universities who are focused on democracy and governance to present their independent research and projects, gain practical experience, and connect with established and young professionals in the field.

Click [here](#) to learn more.

2024 Climate & Health Equity Fellowship Applications

The Climate and Health Equity Fellowship was launched by The Medical Society Consortium on Climate & Health in recognition of the fact that climate change is both a health emergency and a major health equity issue. Throughout the U.S. there is a need for more diversity in climate and health leadership and a sharper focus on equitable climate solutions. The goal of the Fellowship is to empower doctors from populations that face greater burdens from climate effects and are under-represented

in medicine to become leaders in climate and health equity education, advocacy, and policy solutions.

Click [here](#) to learn more.

José E. Serrano Educational Partnership Program with Minority Serving Institutions (EPP/MSI)

The EPP/MSI Undergraduate Scholarship provides funds for two years of undergraduate study to rising junior undergraduate students majoring in Science, Technology, Engineering and Mathematics (STEM) fields that directly support NOAA's mission. Participants conduct research at a NOAA facility during two paid summer internships. Since 2001, 219 students have completed the program and over 75% go on to graduate school.

Click [here](#) to learn more.

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.



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