

# THE WEEKLY

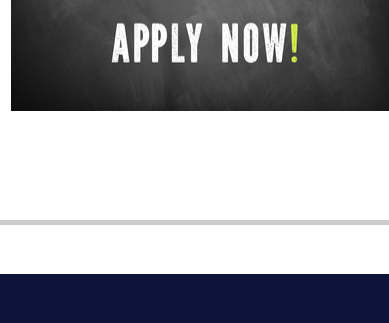
Dear Colleagues,

The deadline for the [IDIA Predoctoral Fellowship](#) program has been extended.

New Deadline: **May 8, 2023 by 11:59 pm EDT**

For questions or concerns, contact: [idia2@gmu.edu](mailto:idia2@gmu.edu).

More information can be found [here](#).



## NEWS

### [Using AI to Recreate and Visit the Past is the Future](#)

After 30 years of working as a choreographer for the Folger Theatre, the Shakespeare Theatre, the Kennedy Center, the Washington National Opera, Arena Stage, and the Washington Ballet—as well as teaching Historical Martial Arts and Stage Combat at the Shakespeare Theatre, the Academy for Classical Acting, and many years as an adjunct professor at George Mason University—[Brad Waller](#) wanted to make his retirement a research endeavor that would give back to the cultural and educational institutions that had given him so very much over the years.



More information is available [here](#).

## VARIOUS OPPORTUNITIES

### [High-Performance Computing Bootcamp](#)

The bootcamp is hosted by the Department of Energy (DOE) Advanced Scientific Computing Research (ASCR) Computing Facilities at Argonne National Lab (ALCF), Lawrence Berkeley National Lab (NERSC), and Oak Ridge National Lab (OLCF) and organized by [Sustainable Horizons Institute](#). Designed to provide students in STEM domains with hands-on experience utilizing HPC for [energy justice initiatives](#), this immersive program allows students to work on energy justice projects of their interest while learning the fundamentals of HPC, including parallel computing, job scheduling, and data analysis techniques.

Applications Due: **May 22, 2023**

More information is available [here](#).

### [Transparent Language Demo Virtual Meeting](#)

Join the virtual demonstration of [Transparent Language's platform for foreign language training and assessment](#). Transparent Language supports the government, industry, and education with products like its CL-150 platform for synchronous and asynchronous language learning and assessment. Mason faculty could partner with Transparent on research and training grants/contracts to develop new materials, test new pedagogy, measure learning effectiveness, assess language proficiency, and much more.

Meeting Date: **May 19, 2023 at 1:00 pm ET**

Join the Zoom meeting [here](#).

More information is available [here](#).

### [Dear Colleague Letter: Availability of Earth Observation Data for NSF-Funded Researchers](#)

Recent developments in satellite and sensor technology have led to unprecedented advances in the resolution, extent, and frequency of Earth observations. High spatial and temporal resolution capabilities now allow for investigation of crucial research questions across several Earth system science education and research themes. Yet, many of these datasets have previously been unavailable for research purposes because they are generated by commercial providers. This Dear Colleague Letter (DCL) announces the availability of high-quality commercial Earth observation data to NSF-funded researchers at no additional cost through the National Aeronautics and Space Administration (NASA) Commercial SmallSat Data Acquisition (CSDA) Program. To inform and assist interested researchers, this DCL describes the process for gaining access to this imagery, the currently available datasets, and related training resources.

More information is available [here](#).

### [Green Energy Innovation Expo](#)



Green energy technology has never been more in demand. The Federal Laboratory Consortium (FLC), AUTM, and the United States Patent and Trademark Office (USPTO) will be sponsoring the Green Energy Innovation Expo, where we will highlight the impact of green energy in the fight against climate change.

This event will facilitate partnerships between businesses and federal laboratories, universities, and private-sector innovators—including government-funded startups—offering a wide range of green energy technologies for licensing, including green hydrogen, energy storage, and wind energy.

Event Date: **May 17, 2023 at 9:00 am ET**

More information is available [here](#).

### [Dear Colleague Letter: Joint NSF-JST Proposals to Advance Human-Centered Data for Disaster Resilience Research](#)

Both U.S.-based and Japan-based science and engineering communities have separately demonstrated commitment to conducting rigorous, cutting-edge research to support improved policies and practices for disaster risk reduction. This DCL invites teams of U.S. and Japanese researchers to propose new data and data-driven research projects centered on human dimensions of disaster resilience. Proposers are particularly encouraged to submit proposals that exploit special synergies and transfer learning between Japanese and U.S. contexts. Relevant topics include, but are not limited to, new measures and data types; new data integration methods; novel approaches to leveraging existing and emerging data sources; and efforts that move beyond discipline-based science and engineering approaches, including multidisciplinary and large-scale simulations. Projects that have the potential to advance the four priority areas of the Sendai Framework are of particular interest.



Proposals Due: **August 18, 2023 by 5:00 pm ET**

More information can be found [here](#).

### [ACES Workshop](#)

The ACES (Accelerating Computing for Emerging Sciences) test-bed is a cyberinfrastructure test-bed that offers cutting-edge technologies on a Liquid Composable fabric. ACES aims to offer a holistic computing platform to meet the needs of researchers advancing research that combines numerical simulation and modeling with Artificial Intelligence and Machine Learning (AI/ML) frameworks. Toward addressing these needs, Graphcore IPU's, Next Silicon co-processors, Intel FPGAs, NEC Vector engines, and the latest GPUs from Intel and NVIDIA are offered on the ACES platform. These resources are supported by a rich software ecosystem including Charlie Cloud and Open on Demand. ACES is funded by the National Science Foundation (NSF) and is hosted by Texas A&M University, and is assigned via the ACCESS allocation process.

Event Dates: **July 12, 2023 - July 15, 2023**

More information can be found [here](#).

## AWARDS

Congratulations to:

**Nakkash, Rima** from the [College of Public Health](#) for receiving the U.S. Department of Health and Human Services grant on *Phone-Enabled Implementation of Cessation Support (PHOENICS)*.

**Satypal, Shobita** from the [College of Science](#) for receiving the National Aeronautics and Space Administration grant on *Understanding the nature of large radio-optical offsets in ICRF3 sources and exploring the ability to detect dual and dislodged AGNs*.

**Madden, Jane H.** from [College of Humanities and Social Sciences](#) for receiving the National Endowment for the Humanities grant on *Global Passages: Creating a Public Database of Slaving Voyages across the Indian Ocean and Asia*.

**Odstrcil, Dusan** from the [College of Science](#) and Co-PI **Zhang, Jie** for receiving the National Aeronautics and Space Administration grant on *Improvement of the CME Forecasting by Heliospheric Imagery and Ensemble Modeling*.

**Blaiz Virginia Sitar** from the [College of Public Health](#) for receiving the Truth Initiative grant on *The Tobacco-Free Mason Project*.

## FUNDING OPPORTUNITIES

[Pathways to Enable Open-Source Ecosystems](#)

Deadline: **September 7, 2023**

[Student Design Competition](#)

Deadline: **May 31, 2023**

## IDIA AFFILIATION

Did you know that, as an IDIA faculty affiliate, you are eligible to:

Compete for [internally funded IDIA projects](#)

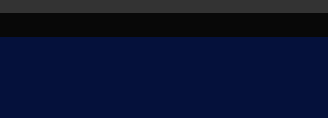
Receive support for [IDIA-relevant events](#)

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](mailto:idia2@gmu.edu)



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