ISE NEWSLETTER

April 25, 2022

Solutions to Climate Change

CAS: Innovative Solutions to Climate Change is a call to action that promotes zero greenhouse gas emissions and developing approaches for adapting to the change that is already occurring. NSF is inviting the opportunity to perform translational research and technology development, catalyzing the transition to practice of foundational research and emerging technologies into communities for societal benefit.

This recently issued Dear Colleague Letter (DCL) seeks proposals that encourage convergence with research from the social, behavioral, and economic sciences deeply integrated with other disciplines to support substantial and potentially transformative advances in understanding, mitigating, and adapting to global environmental imperatives.

The FY23 research areas are

- Development of new and effective metrics for quantifying impact.
- Traditional energy efficiency and power savings methods suitable for sustainability across all levels of the entire computing stack from hardware to networking to applications.
- Computing techniques for sustainability in other fields are suitable for adaptation to computing.
- Developing innovative ideas to achieving broad impact, including key legal issues and business imperatives. Byrnes. Technology executive, attorney, and investor Andrew Byrnes will discuss the path from idea to implementation.

This call aims to support activities spanning 3 years. All call documents and the submission process are outlined in the Dear Colleague Letter: Design for Sustainability in Computing (CISE Core programs).

Organizations. Proposals submitted by a Research Consortium should include a strong and well-developed plan for engagement with the predominant organizations. This DCL neither constitutes a new competition nor a new program. Rather, interested proposers should prepare and submit proposals in accordance with the instructions in the CISE Core programs Guide.

The Belmont Forum is pleased to announce the launch of the joint Call for Proposals: Exploring Long-term Scenarios for Sustainability in Transportation. The call is open to any proposals that address sustainable transport on a regional or global scale with an emphasis on an integrated approach to research and innovation.

This call aims to address the challenges of sustainable transport, including the global transition of transport to low-carbon and low-emissions modes. It seeks to support research and innovation that addresses these challenges, with a particular focus on the role of transport in achieving the UN Sustainable Development Goals.

Successful projects will represent a convergence of expertise in one or more SBE domains, including but not limited to

- Economics
- Psychology
- Sociology
- Political Science
- Geography
- Environmental Science

This program is a research and development program that encourages partnerships between academia, industry, and government to address the complex challenges of sustainable transport.

The call is open to proposals from a wide range of organizations, including universities, research institutions, government agencies, and industry partners. Proposals should demonstrate a strong collaboration between different disciplines and different sectors to address the challenges of sustainable transport.

There is no cost to attend, but attendees are encouraged to register in advance for Day 1 and Day 2.

National Capital Area Chapter, U.S. Association for Energy Economics. The event will be co-hosted by the Center for Energy Science and Policy (CESP).

Resume/CV and a relevant writing sample to Amb. Richard Kauzlarich at rkauzlar@gmu.edu.

In the past, the Mason Newsroom has collaborated to develop this newsletter. To submit news for consideration, send your information to the ISE Team at ise.gmu.edu.

Upcoming Mason Events

Cost: $25/session or $75 for all sessions;

Buildings: Transportation Progress Report

Guest "TrueRemove" with the codes below for no cost. Attendees have the option of registering for all sessions for Day 1 and Day 2.

Wednesday, May 4, 2022, 2pm - 3:15pm ET

Charting a Course Toward Social Justice in Corrections: An East-West Center Initiative - A symposium on "Charting a Course Toward Social Justice in Corrections." Drs. Faye and Byrnes will discuss the path from idea to implementation. Byrnes. Technology executive, attorney, and investor Andrew Byrnes will discuss the path from idea to implementation.

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