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## Announcements

### 2nd ISE Webinar TODAY!

The disruptions caused by the COVID-19 pandemic reveal both fragilities and resiliencies in our global society. Mason's [Institute for a Sustainable Earth](#) is hosting this webinar to discuss how ecosystem disruption affects public health and human security.

- **Date:** Monday, May 18, 2020
- **Time:** 11am - 12pm
- **Location:** [WebEx Event Link](#)

# Ecosystem Health, Public Health, and Human Security

## Panelists

**A. Alonso Aguirre**- Department Chair and Professor, Department of Environmental Science and Policy, Mason.

**Amira Roess**- Professor of Global Health and Epidemiology, Department of Global and Community Health, Mason.

**Rod Schoonover**- Founder Ecological Futures Group. Previous Director of Environment and Natural Resources, US National Intelligence Council.

## Moderator

**Tom Lovejoy**- University Professor, Department of Environmental Science and Policy, Mason and Senior Fellow of Biodiversity and Environmental Sciences, United Nations Foundation.

**Monday, May 18**  
**11:00 am - 12:00 pm**

Contact: [mise@gmu.edu](mailto:mise@gmu.edu)

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## Upcoming ISE Pandemic Webinars

### Air Quality and Public Health

Thursday, May 28, 2:00 – 3:00 pm

[WebEx Event Link](#)

Panelists:

[Jenna Krall](#) – Assistant Professor and Biostatistician, Department of Global and Community Health, Mason

[Mona Sarfaty](#) – Director, Program for Climate and Health, Center for Climate Change Communication, Mason

[Daniel Tong](#) – Associate Professor of Atmospheric Chemistry and Aerosols, Department of Atmospheric, Oceanic, and Earth Sciences, Mason

Moderator: Marva King – Senior Policy Advisory from the US Environmental Protection Agency's Office of Environmental Justice (retired)

## **Social Inequities and the Disparities of Impact**

**Monday, June 1, 10 – 11 am**

**WebEx Event Link**

Panelists:

Jhumka Gupta – Associate Professor, Department of Global and Community Health, College of Health and Human Services, Mason

Ken Reinert – Professor and Director of the International Commerce and Policy Program, Schar School of Policy and Government, Mason

Colleen Vesely – Associate Professor, Human Development and Family Science and Early Childhood Education, College of Education and Human Development, Mason

Jim Witte – Professor, Department of Sociology and Anthropology, Director of the Center for Social Science Research, and Director of the Institute for Immigration Research, Mason

Moderator: Bethany Letiecq – Associate Professor, Human Development and Family Science Program, College of Education and Human Development, Mason

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## **COVID-19- Implications for Fetal, Neonatal, and Maternal Health**

The College of Health and Human Services (CHHS) is hosting a webinar with maternal and neonatal doctors to discuss the implications of COVID-19 on the health of mothers and infants. Dr. Uma Reddy and Dr. Rosemary Higgins will discuss the possible short and long-term implications for obstetrics and maternal health. Based on limited data available from geographic locations who experienced early peaks in the disease, recommendations have been made but there is a lot to learn. Current guidance for pregnant women and their infants will be covered in this session.

- **Date:** Monday, May 18, 2020
  - **Time:** 12pm - 1pm
  - **Location:** Virtual
  - **Registration**
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# Earth Leadership Program

Knowledge To Impact

## Earth Leadership Program

Future Earth is accepting applications for the Earth Leadership Program. The Earth Leadership Program prepares researchers to work together as effective agents of change by providing tools and perspectives to help participants cross traditional disciplinary and sector boundaries. Specifically, the training provided to fellows is built around a collaborative approach that values co-design with diverse stakeholders and prepares participants to develop and execute transdisciplinary projects.

The fellowship offers mid-career researchers working in the area of environmental sustainability an outstanding opportunity to develop as global leaders. **If interested, please apply by May 29, 2020.**

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## ISE Faculty Profiles

The ISE faculty directory is a tool for you to find others with complementing expertise and for external and internal audiences to find you! If you haven't yet submitted your research profile information for the directory, **please complete this brief survey.**

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## Upcoming Mason Events



## Public Policy in the Pandemic Age

The [Schar School of Policy and Government Alumni Chapter](#) is organizing a [panel](#) on "How COVID-19 is Reshaping our Government, Economy, and Society". The panel will discuss the unprecedented challenges posed by the COVID-19 pandemic to the United States and the rest of the world.

- **Date:** Wednesday, May 20, 2020
- **Time:** 2:00pm - 3:30pm
- **Location:** Virtual
- **[Registration](#)**

## Models for Assessing Strategies for Hospitals Responding to COVID-19 and other Pandemics

The Center for Resilient and Sustainable Communities (C-RASC) is hosting a web seminar by [Dr. Elise Miller-Hooks](#) on Models for Assessing Strategies for Hospitals (MASH) Responding to COVID-19 and other Pandemics.

Dr. Miller-Hooks shares the capabilities of her team's models in supporting hospital readiness and response to the COVID-19 pandemic and the newly launched Mason-World Bank-Johns Hopkins MASH-Pandemics [web portal](#).

- **Date:** Thursday, May 21, 2020
- **Time:** 11am - 12pm
- **Location:** Virtual
- **[Registration](#)**





## Models for Assessing Strategies for Hospitals (MASH) Responding to COVID- 19 and other Pandemics

### Seminar by Dr. Elise Miller Hooks

For over two decades, Elise Miller-Hooks has been applying and advancing concepts of operations research to civil and infrastructure systems applications. Her work focuses on the development of algorithms and mathematically-based decision support tools. Please join us as Dr. Miller-Hooks shares the capabilities of her team's models in supporting hospital readiness and response to the COVID-19 pandemic and the newly launched Mason-World Bank-Johns Hopkins MASH-Pandemics web portal.

Elise Miller-Hooks holds the Bill and Eleanor Hazel Endowed Chair in Infrastructure Engineering in the Sid and Reva Dewberry Department of Civil, Environmental, and Infrastructure Engineering at George Mason University.

**THURSDAY, MAY 21, 2020**  
**11AM-12PM**

Register Now!

<https://bit.ly/3cgwxf9>



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## Paradigm Shift: The Future of Work and Workplaces

Workplaces have been disrupted like never before. What can we learn from the sudden national field experiment in working and running businesses remotely? How will the aftermath of the pandemic crisis influence how and where people work and the resulting need for office space, appropriate design, amenities, and work practices?

Join Kate Lister, the Center for Real Estate Entrepreneurship, and Executive Development of the George Mason University School of Business, in a discussion of data-based insights and forecasts on the future of work and workplaces.

- **Date:** Wednesday, May 27, 2020
- **Time:** 1pm

- Location: Virtual
- Registration

# Paradigm Shift: The Future of Work and Workplaces



## **Congratulations!**

Funding Announcements, Awards, and Accomplishments



**Collaborative Research: Quantifying the sea-surface temperature pattern effect for LGM and Pliocene constraints on climate sensitivity**

**Primary Investigator (PI):** Natalie Burls, College of Science

**Funding source:** National Science Foundation

## **Collaboration Skills in the IB Middle-Years Programme**

**PI:** Anastasia Kitsantas, College of Education and Human Development

**Co-PI:** Erin Peters-Burton, College of Education and Human Development

**Funding source:** International Baccalaureate Organization

## **University Transportation Center 2017-2023**

**PI:** David Lattanzi, Volgenau School of Engineering

**Funding source:** US Department of Transportation

## **Advancing Knowledge of the Arctic/Sub-Arctic Freshwater Cycle and its Impacts on North Atlantic Ocean Circulation**

**PI:** Martha Buckley, College of Science

**Funding source:** National Aeronautics and Space Administration (NASA)

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## **COVID-19 Funding Opportunities**

The Research Development Services office has organized a detailed database of funding opportunities pertaining to COVID-19. The database is updated as new opportunities become available. If you would like to add opportunities to the database please contact Heather Arold.

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## **Additional Funding Opportunities**

## **National Environmental Education and Training Program**



The purpose of the [National Environmental Education and Training Program](#) is to deliver environmental education (EE) training and long-term support to education professionals across the U.S. in the development and delivery of environmental education and training programs and studies.

- **Funding source:** Environmental Protection Agency
  - **Amount:** Total funding is \$11,000,000
  - **Deadline:** May 29, 2020
  - **Contact:** [Ginger Potter](#)
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## Civic Innovation Challenge

[The Civic Innovation Challenge](#) is a research and action competition in the Smart and Connected Communities (S&CC) domain designed to build a more cohesive research-to-innovation pipeline and foster a collaborative spirit. CIVIC will fund projects that can produce significant community impact within 12 months (following a four-month planning phase) — in contrast to many community-university partnerships that take years to provide tangible benefits to communities — and have the potential for lasting impact beyond the period of the CIVIC award.

[In the first stage \(Stage 1\)](#), up to 12 awards per track will be made for Planning Grants – each with a budget of up to \$50,000 for four months to undertake pre-development activities, including solidifying the team, maturing the project plans, and preparing to submit a well-developed full proposal for Stage 2. Only awardees of Stage 1 will be eligible to submit proposals for Stage 2.

[In the second stage \(Stage 2\)](#), up to four teams per track will be selected from Stage 1 award recipients to receive a full award— each with a budget of up to \$1,000,000 for up to 12 months to execute and evaluate their research-centered pilot projects.

- **Funding source:** National Science Foundation
  - **Estimated Number of Awards:** 24 to 32
  - **Estimated Funding Amount:** \$9,000,000
  - **Deadline:** [Stage 1](#): July 1, 2020; [Stage 2](#): March 31, 2021
  - **Contact:** [David Corman](#), Program Director
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## AI for Earth Innovation

[National Geographic Society and Microsoft's AI for Earth Program](#) partnered to support novel projects that create and deploy AI tools to improve the way they monitor, model, understand, and ultimately manage Earth's natural resources for a more sustainable future.

- **Funding source:** National Geographic Society and Microsoft's AI for Earth Program
- **Amount:** Applicants may request \$5,000 to \$100,000
- **Deadline:** July 22, 2020
- **Contact:** [AI for Earth Innovation](#)

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## Coastlines and People

The Coastlines and People program supports diverse, innovative, multi-institution awards that are focused on critically important coastlines and people research that is integrated with broadening participation goals. The objective of this solicitation is to support Coastal Research Hubs, structured using a convergent science approach, at the nexus between coastal sustainability, human dimensions, and coastal processes to transform understanding of interactions among natural, human-built, and social systems in coastal, populated environments.

- **Funding source:** National Science Foundation
- **Estimated Number of Awards:** 8 to 10
- **Anticipated Funding Amount:** \$29,500,000
- **Deadline:** September 9, 2020
- **Contact:** [CoPe Working Group](#)

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## FY 2020 Solicitation for the Office of Science Financial Assistance Program

The Office of Science of the US Department of Energy is providing funding for research in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics.

- **Funding source:** Office of Science, Department of Energy
- **Amount:** Up to \$5,000,000
- **Deadline:** September 30, 2020
- **Contact:** Kimberlie Laing, 301-903-3026

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## Global Innovation Fund

The Global Innovation Fund seeks to invest in social innovations that aim to improve the lives and opportunities of millions of people in the developing world. Open to funding innovations in any sector as long as they can demonstrate their innovation improves the lives of those living on less than USD 5 PPP per day.

- **Funding source:** Global Innovation Fund
  - **Amount:** \$50,000 - \$15,000,000
  - **Deadline:** Proposals accepted at anytime
  - **Additional information**
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## Other Upcoming Events



### The 8<sup>th</sup> World Sustainability Forum

15 – 17 September 2020, CIGG, Geneva, Switzerland

*Part of The First World Sustainability Week, 14–19 September 2020, Geneva, Switzerland*



## The 8th World Sustainability Forum

The 8th World Sustainability Forum (WSF2020) is an international scientific conference coordinated by MDPI under the patronage of the University of Basel, the University of Geneva and the UN Sustainable Development Solutions Network (UN SDSN). In light of the COVID-19 pandemic, the theme for the meeting include: 1) health and medicine; 2) mobility and transport; and 3) food security and agriculture.

- **Date:** September 15-17, 2020
- **Location:** Virtual
- **Registration**

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

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