MASON SCIENCE COMMUNITY

New urban data science center and initiative offers solutions for Alexandria Mason

The Center for Spatial Information Science and Systems (CSISS) has expanded its reach in the local area with the launch of a new urban data science center and initiative. The center, called the Center for Urban Informatics at Alexandria (CUiA), aims to provide a computational understanding of cities and explore ways to make these areas more sustainable and livable.

In the News

Andrew Light speaks on Paris Climate Accord

At a recent student virtual lunch, Vice President of University Life Rose Pascarell asked if any students would like to “shout out” someone who they feel makes a positive impact on their Mason experience. Unsurprisingly, individuals told Pascarell that Melissa Hayes, Graduate Program Director for the Department of Atmospheric, Oceanic and Earth Sciences, was one of those people. Hayes has been a leader in the Department of Atmospheric, Oceanic and Earth Sciences and the Mason Science Community for many years.

RESEARCH & DISCOVERY

Precipitation within urban spaces

Urban spaces create very data-rich environments that can be used to study natural processes. For example, researchers at Mason have produced new methods for analyzing precipitation within urban settings and are calling for the development of a timely, comprehensive canvas for communicating the implications of these findings. This work has been featured in Nature and Science.

IN THE NEWS

Water quality suffers in Alexandria:

By Mary Atencio, Mason News

Eduardo López Atencio, assistant professor and graduate program director for the Department of Computational and Data Sciences, recently received $99,259 for a project to develop new methods for analyzing precipitation within urban settings. This work has been featured in Nature and Science.

APPENDICES

Mason faculty talk about climate change

Mason faculty have been vocal about the importance of climate change and the need for action. This fall, two faculty members have shared their expertise on the subject with Inside Climate News. Andrew Light, a Mason professor, spoke about the Paris Climate Accord and the importance of recommitting to it. The other, Liping Di, spoke about the need for a computational approach to understanding climate change.

SUSTAINABLE MASON

Mason has taken a number of actions to become a more sustainable institution. This includes a focus on reducing carbon emissions, waste reduction, and energy efficiency. Mason has also been recognized for its efforts in sustainability, including being named a Green College by the Association for the Advancement of Sustainability in Higher Education (AASHE).

Events

Mason Science Week will be held on campus from October 19 to 22. Events will include a colloquium on computational social science, a seminar on illegal, unreported, and unregulated fishing, and a virtual celebration of success for all faculty and staff.

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