

**Speaker****DR.
JOSEPH
DARAIO,
P.Eng.**Assistant professor,
civil engineering,
Memorial University

The impacts of climate change are already being felt in Newfoundland and Labrador with increasing coastal erosion and the increased occurrence of extreme precipitation events such as Hurricane Igor in 2010 and the remnants of Hurricane Matthew in 2016.

Join Dr. Joseph Daraio, P.Eng., as he discusses projected climate change and potential impacts on Newfoundland and Labrador, such as how this may impact drainage infrastructure (flooding), transportation (culvert washout), and building design, and what the provincial government and Memorial University are doing to protect communities.

Dr. Daraio is an assistant professor in the Department of Civil Engineering at Memorial University. He earned his PhD in civil and environmental engineering-hydraulics at the University of Iowa in 2009. He received his bachelor's degree in forest and environmental biology from the State University of New York,

College of Environmental Science and Forestry, and has masters' degrees in biology, philosophy and environmental engineering. His primary interests lie in the potential impacts of climate change on storm water infrastructure and interdisciplinary research that links hydrology, hydraulics and ecology.

Prior to joining Memorial, he was an assistant professor of water resources engineering at Rowan University in New Jersey where he worked on the potential impacts of climate change on local water resources. He also worked as a postdoctoral research scholar at North Carolina State University, where he developed models to simulate the effects of land-use change and climate change on watershed hydrology and instream temperature to assess potential long-term effects on aquatic organisms. Dr. Daraio is licensed to practice engineering with Professional Engineers and Geoscientists Newfoundland & Labrador.

Speaking of **ENGINEERING**

LECTURE SERIES

HAVE YOU EVER WONDERED

*how resilient infrastructure can address
climate change impacts on Newfoundland
and Labrador's communities?*

Wednesday, Apr. 11, 2018 at 7:30 p.m.
Memorial University, St. John's campus
S.J. Carew Building; Room EN2006

RECEPTION TO FOLLOW. ADMISSION IS FREE. ALL ARE WELCOME.
Free parking in Lot 60 (2nd Floor-Earth Sciences Garage).

Speaking of Engineering is hosted by the Faculty of Engineering and Applied Science at Memorial University and the Professional Engineers and Geoscientists of Newfoundland and Labrador.

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