Faculty of Science
Earth System Science Programme
Faculty Distinguished Lecture Series

Global Warming and Extreme Events

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2:30 – 4:00 p.m.

LT1, 7/F., Mong Man Wai Building
The Chinese University of Hong Kong

Since the preindustrial era, the Earth has warmed by about 1° C globally, with significant climatic, hydrological, and ecological changes observed regionally. Changes in the mean climate can also have important effects on extreme events such as floods and droughts, heat waves and cold air outbreaks, and a host of severe weather events such as hurricanes, tornadoes, and hail storms. A suite of modeling tools is available to develop theory, understanding, and projections of how extreme events may respond to warming. In this lecture, I will introduce the key factors that control how global warming may perturb weather and climate extremes and use examples to illustrate insights that can be gained through data analysis and modeling experiments.

***Light refreshments** will be served at 4:00 p.m.*

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All are Welcome!
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