

2018-2019 LECTURE SERIES IN CLIMATE CHANGE

OUR WARMING PLANET: TOPICS IN CLIMATE DYNAMICS

Tuesday, May 21, 2019

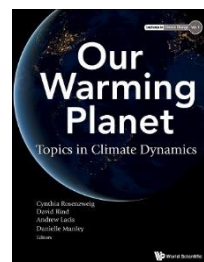
3:00PM – 5:00PM Eastern Time (New York City, NY, United States)

- **The Importance of Understanding the Last Glacial Maximum for Climate Change** by Dorothy Peteet
- **Chemistry–Climate Interactions in a Changing Environment: Wildfire in the West and the US Warming Hole** by Loretta J. Mickley

Please register for the webinar at the following link:

<https://columbiauniversity.zoom.us/meeting/register/8d28b198f1cf5c9f7c24e00bf0acd2b8>

After registering, you will receive a confirmation email with details about joining the meeting.



These presentations are part of a monthly series hosted by CCRUN, a NOAA RISA Team. The lectures are drawn from the recent book, *Our Warming Planet: Topics in Climate Dynamics*, published by World Scientific. The series encompasses topics such as natural and anthropogenic climate forcing, climate modeling, radiation, clouds, atmospheric dynamics and storms, hydrology, cryosphere, paleoclimate, sea level rise, agriculture, atmospheric chemistry, and climate change education. The lecture series is for students, teachers, and interested researchers and colleagues around the world to be better able to understand various aspects of climate change.

The book, containing most of the material in this webinar series, can be purchased as an e-book, soft cover, or hard cover copy at the World Scientific Publishing website:

<https://www.worldscientific.com/worldscibooks/10.1142/10256>

Webinars will take place monthly on Tuesdays from 3:00–5:00PM. No purchase of book necessary for viewing the webinar series. All webinars are recorded and made available on the Consortium for Climate Risk in the Urban Northeast website at <http://www.ccrun.org/resources/lectures-in-climate-change/>.

Our Warming Planet: Topics in Climate Dynamics Webinar Series Schedule



September 18, 2018 4:00pm – 6:00pm	Introduction to Webinar Series David Rind and Cynthia Rosenzweig Instability of the North Atlantic Circulation in a Warming Climate David Rind Climate Change Challenges to Agriculture, Food Security, and Health Cynthia Rosenzweig
October 16, 2018 4:00pm – 6:00pm	Global Change in Earth’s Atmosphere: Natural and Anthropogenic Factors Judith L. Lean Building a Climate Model Gary Russell
November 13, 2018 4:00pm – 6:00pm	Explaining Climate Andrew Lacis The Role of Clouds in Climate Anthony D. Del Genio
December 18, 2018 4:00pm – 6:00pm	The Relationship Between Recent Arctic Amplification and Extreme Mid-Latitude Weather Judah Cohen The Role of Global Warming in Altering the Frequency and Intensity of Tropical and Non-Tropical Cyclones Timothy Eichler How Will Storms and the Storm Track Change: Extratropical Cyclones on a Warmer Earth Walter A. Robinson and James F. Booth
January 15, 2019 4:00pm – 6:00pm	Wisdom, Climate, and Water Resources Robert Webb Soil Moisture in the Climate System Randal Koster
February 19, 2019 4:00pm – 6:00pm	Projections of Future Drought Jennifer Aminzade Lightning and Climate Change Colin Price
March 19, 2019 4:00pm – 6:00pm	Polar Sea Ice Coverage, Its Changes, and Its Broader Climate Impacts Claire Parkinson Arctic Sea Ice and Its Role in Global Change Jiping Liu and Radley M. Horton Antarctic Sea Ice and Global Warming Douglas G. Martinson
April 16, 2019 4:00pm – 6:00pm	Impacts of Sea Level Rise on Coastal Urban Areas Vivien Gornitz
May 21, 2019 3:00pm – 5:00pm	The Importance of Understanding the Last Glacial Maximum for Climate Change Dorothy Peteet Chemistry–Climate Interactions in a Changing Environment: Wildfire in the West and the US Warming Hole Loretta J. Mickley
June 18, 2019 3:00pm – 5:00pm	Atmospheric Radiation Valdar Oinas
July 16, 2019 3:00pm – 5:00pm	The Educational Global Climate Model (EdGCM) Mark A. Chandler Closing of Webinar Series David Rind and Cynthia Rosenzweig