

2018-2019 LECTURE SERIES IN CLIMATE CHANGE

OUR WARMING PLANET: TOPICS IN CLIMATE DYNAMICS

Tuesday, June 18, 2019

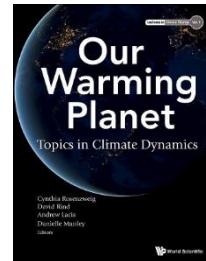
3:00PM – 5:00PM Eastern Time (New York City, NY, United States)

- **Soil Moisture in the Climate System** by Randal Koster
- **Atmospheric Radiation** by Andy Lacis (original author Valdar Oinas)

Please register for the webinar at the following link:

<https://columbiauniversity.zoom.us/meeting/register/d6c2c0744863a9fd7c24e00bf0acd2b8>

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