

Princeton E-affiliates Partnership



Retreat Agenda

June 9, 2020

Resilience: Coasts and Beyond

Adaptation—adjustments to natural and human systems to the effects of climate change—is an essential complement to deep decarbonization and other mitigation strategies that will limit the magnitude and rate of climate change. This webinar explores the role of adaptation in strengthening resilience, the ability of systems and communities to bounce back following harmful impacts including extreme events and permanent inundation due to sea level rise. First, we will focus on coastal cities, communities, and systems threatened by the interaction of climate change and sea level rise with longstanding coastal development patterns. The questions we hope to explore include: what measures offer promise, what are the hurdles and opportunities for implementation, and how can resilience be increased cost-effectively in ways that also address long-standing socioeconomic and environmental challenges? Next, we will broaden the focus to resilience in other areas, considering needs and approaches for adaptation in infrastructure systems and highlighting work led by several E-affiliates members and Princeton faculty. We will conclude with a discussion regarding future research and programs on resilience and the role of adaptation in managing the risks of climate change.

9:45 a.m. **Webinar opens for networking**

10:00 a.m. **Welcome and Overview**

Barry Rand – *Associate Director for External Partnerships, Andlinger Center for Energy and the Environment; Associate Professor of Electrical Engineering and Andlinger Center for Energy and the Environment*

Z. Jason Ren – *Acting Center Director and Associate Director for Research, Andlinger Center for Energy and the Environment; Professor of Civil and Environmental Engineering and the Andlinger Center for Energy and the Environment*

Framing – Resilience and Adaptation Opportunities

Richard Moss – *Gerhard R. Andlinger Visiting Fellow in Energy and the Environment; Senior Scientist, Joint Global Change Research Institute, University of Maryland*

10:20 a.m. **Conversation – Coastal Transformations**

Elke Weber, Moderator – *Associate Director for Education, Andlinger Center for Energy and the Environment; Gerhard R. Andlinger Professor in Energy and the Environment; Professor of Psychology and Public Affairs, Woodrow Wilson School of Public and International Affairs*

- Jainey Bavishi – *Director, NYC Mayor’s Office of Resiliency*
- Alice Hill – *Senior Fellow for Climate Change Policy, The Council on Foreign Relations*
- Skip Stiles – *Executive Director, Wetlands Watch*

11:05 a.m. **Conversation – Resilient Infrastructure and Opportunities**

Chris Greig, Moderator – *Gerhard R. Andlinger Visiting Fellow in Energy and the Environment; Dow Chair in Sustainable Engineering Innovation, The University of Queensland, St Lucia, Queensland, Australia*

- Edward Gray – *Director, Transmission and Distribution Engineering, PSE&G*
- Haroon Kheshgi – *Senior Scientific Advisor, ExxonMobil*
- Ning Lin – *Associate Professor of Civil and Environmental Engineering, Princeton University*

11:50 a.m.

Wrap Up

Barry Rand – *Associate Director for External Partnerships, Andlinger Center for Energy and the Environment; Associate Professor of Electrical Engineering and Andlinger Center for Energy and the Environment*

Richard Moss – *Gerhard R. Andlinger Visiting Fellow in Energy and the Environment; Senior Scientist, Joint Global Change Research Institute, University of Maryland*

12:00 p.m.

Adjourn

12:10 p.m.

Student and Postdoctoral Researcher Engagement Session (*with registration*)