

Princeton E-ffiliates Partnership



Retreat Agenda

June 11, 2019

Princeton Marriott at Forrestal

Princeton E-ffiliates Partnership's (E-ffiliates) 2019 Retreat focuses on the Andlinger Center for Energy and the Environment's new "Rapid Switch" initiative. Rapid Switch investigates the factors that slow the pace of a global transition from a carbon-intensive to a low-carbon economy. The initiative aims to rigorously analyze bottlenecks and unintended consequences that may arise during the transition, and resolve them sector-by-sector and region-by-region. By doing this in ways that respect local values and conditions, the collaboration aims to lay out viable, rapid pathways to decarbonization and develop strategies to accelerate their uptake.

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| 8:00 – 9:00 | Registration and Continental Breakfast (University Lounge) |
| 9:00 – 9:15 | Welcome, Overview of Retreat (Princeton Ballroom)
Mark Zondlo – <i>Associate Director of External Partnerships, Andlinger Center for Energy and the Environment; Associate Professor of Civil and Environmental Engineering</i>

Yueh-Lin (Lynn) Loo – <i>Director, Andlinger Center for Energy and the Environment; Theodora D. '78 and William H. Walton III '74 Professor in Engineering; Professor of Chemical and Biological Engineering</i> |
| 9:15 – 9:20 | Keynote Introductions (Princeton Ballroom)
Chris Greig – <i>Gerhard R. Andlinger Visiting Fellow in Energy and the Environment; Director, Dow Centre for Sustainable Engineering Innovation; Dow Chair in Sustainable Engineering Innovation, The University of Queensland</i> |
| 9:20 – 10:30 | Keynote – Addressing the Dual Challenge – Energy and Carbon: A View to 2040
Peter Trelenberg – <i>Manager, Environmental Policy and Planning, Exxon Mobil Corporation</i>

Keynote – Systemic Urban Infrastructure Transformations for Inclusive, Low Carbon Development
Anu Ramaswami – <i>Charles M. Denny, Jr., Chair of Science, Technology, and Public Policy at the Humphrey School of Public Affairs, University of Minnesota</i> |
| 10:30 – 11:00 | Break (University Lounge) |
| 11:00 – 12:30 | Panel – Business and Financial Bottlenecks (Princeton Ballroom)
Chris Greig, Moderator – <i>Gerhard R. Andlinger Visiting Fellow in Energy and the Environment; Director, Dow Centre for Sustainable Engineering Innovation, The University of Queensland</i> <ul style="list-style-type: none">• Phillip M. Hannam – <i>Energy Economist, The World Bank, Washington D.C.</i>• Anthony Ku – <i>Director for Advanced Technologies, National Institute for Clean and Low Carbon Energy, Beijing</i>• Mark Alan Hughes – <i>Professor of Practice, Stuart Weitzman School of Design; Faculty Director, Kleinman Center for Energy Policy, University of Pennsylvania, Philadelphia</i> |
| 12:30 – 2:00 | Lunch and Discussion on Rapid Switch Bottlenecks (Gratella) |



- 2:00 – 3:30 **Panel – Techno-Economic Bottlenecks** (Princeton Ballroom)
 Minjie Chen, Moderator – *Assistant Professor of Electrical Engineering and the Andlinger Center for Energy and the Environment*
- Daniel Kirschen – *Donald and Ruth Mary Close Professor of Electrical and Computer Engineering, University of Washington, Seattle*
 - Abhijit Abhyankar – *Professor of Electrical Engineering, Indian Institute of Technology, Delhi*
 - Ning Zhang – *Associate Professor of Electrical Engineering, Tsinghua University, Beijing*
- 3:30 – 4:00 **Break** (Lobby)
 (Group photo; set up for poster session)
- 4:00 – 5:30 **Panel – Socio-Political Bottlenecks in Deep Decarbonization** (Princeton Ballroom)
 Atul Kohli, Moderator – *David K.E. Bruce Professor of International Affairs; Professor of Politics and International Affairs, Woodrow Wilson School of Public and International Affairs, Princeton*
- Robert Keohane – *Professor of Political and International Affairs, Emeritus; Senior Scholar, Woodrow Wilson School of Public and International Affairs, Princeton*
 - Ambuj Sagar – *Vipula and Mahesh Chaturvedi Professor of Policy Studies; Founding Head of the School of Public Policy, Indian Institute of Technology Delhi*
 - Karen Hussey – *Director, Centre for Policy Futures, The University of Queensland, Brisbane*
- 5:30 – 6:00 **Wrap Up and Summary of Outcomes from Lunch Discussions** (Princeton Ballroom)
 Eric Larson – *Senior Research Engineer, Andlinger Center for Energy and the Environment; Lecturer in Chemical and Biological Engineering and the Andlinger Center for Energy and the Environment*
 Minjie Chen – *Assistant Professor of Electrical Engineering and the Andlinger Center for Energy and the Environment*
- 6:00 – 7:30 **Poster Session / Reception** (University and Treehouse Lounges)
- 7:30 **Departures**