

Princeton E-affiliates Partnership



Retreat Agenda

June 13 – 14, 2018
Princeton Club of New York
New York, New York

Wednesday – June 13

- 9:00 – 10:00 **Registration and Continental Breakfast** (Alexander Hamilton)
- 10:00 – 10:10 **Welcome, Overview of Retreat** (James Madison)
Mark Zondlo – Associate Director of External Partnerships, Andlinger Center for Energy and the Environment; Associate Professor of Civil and Environmental Engineering
- 10:10 – 10:30 **CO₂ Capture from Cement, Steel, and Petrochemical Processes**
Stefano Consonni – Visiting Research Scholar, Andlinger Center for Energy and the Environment
- 10:30 – 10:50 **Smart Power Electronics at the Grid Edge**
Minjie Chen – Assistant Professor of Electrical Engineering and the Andlinger Center for Energy and the Environment
- 10:50 – 12:00 **Panel Discussion on The Renewables Landscape and the Andlinger Center:
What have we done and where can we have impact going forward?**

Daniel Steingart – Moderator, Associate Professor of Mechanical and Aerospace Engineering and the Andlinger Center for Energy and the Environment

Rebecca Ciez – Distinguished Postdoctoral Fellow in Energy and the Environment, Andlinger Center for Energy and the Environment

David Dankworth – Distinguished Scientific Advisor, ExxonMobil; Visitor-in-Residence, Princeton E-affiliates Partnership

Judith Greenwald – Gerard R. Andlinger Visiting Fellow in Energy and the Environment Andlinger Center for Energy and the Environment

Darren Hammell – Gerard R. Andlinger Visiting Fellow in Energy and the Environment, Andlinger Center for Energy and the Environment; President and CEO, Princeton Power Systems

Yueh-Lin (Lynn) Loo – 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
- 12:00 – 1:30 **Lunch** (Alexander Hamilton)



1:30 – 3:15

Breakout Sessions

Momentum Towards A Better Future:

What we have done and what should we do going forward?

For the following challenges, the Andlinger Center for Energy and the Environment and its E-affiliates partners have made important contributions over the last 10 years to both fundamental understanding and technological solutions, but this is just the beginning. In groups we ask you to consider:

- How the ACEE has contributed to maintaining and improving quality of life in the following aspect of energy and the environment?
- What challenges persist?
- What new efforts ACEE and its E-affiliates partners ought to embark upon to accomplish a carbon neutral or negative path that is water and resource aware?

Following the breakout sessions the groups will debrief to the entire retreat.

1 – Powering mobility (Dickinson)

Discussion Leader: Dan Steingart

Discussion Scribe: Cody Nunno

2 – Powering infrastructure (McCosh)

Discussion Leader: Darren Hammell

Discussion Scribe: Wesley Chang

3 – Urban ecosystem (John Jay/Butler)

Discussion Leader: Mark Zondlo

Discussion Scribe: Kai Gong

4 – Infrastructure construction and maintenance (Prospect)

Discussion Leader: Claire White

Discussion Scribe: Hongshan Guo

5 – Baseload energy (Low)

Discussion Leader: Rebecca Ciez

Discussion Scribe: Xinyi Liu

3:15 – 3:30

Break

3:30 – 4:15

General Session: Breakout Group Presentations (James Madison)

4:15 – 5:00

Break

(Group Photo, Set up for Poster Session)

5:00 – 5:45

Keynote (James Madison)

Darren Crosse – *Chief Technical Officer for EMEA, American Tower Corporation, Johannesburg, South Africa*

5:45 – 7:30

Poster Session / Reception (Alexander Hamilton)

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Thursday – June 14

Breakfast on your own

- 8:45 – 9:15 **Travel on your own to East River Ferry Pier at 34th Street and FDR Drive ([map](#))**
Ferry departs at 9:30 for Pier 11/Wall St. (tickets will be provided at pier)
- 9:15 – 12:30 **Tour of Superstorm Sandy's Impacts on Lower Manhattan**
Led by Catherine McVay Hughes '82, *Ceres President's Council; Earth Institute Advisory Board; former Chair of Manhattan Community Board 1*
"Please wear weather-appropriate clothes and walking shoes!!"
- 9:50 – 12:30 **Ferry arrives at Wall St/Pier 11,**
Walking Tour of various sites primarily along lower Manhattan's waterfront
- 12:30 **Walking Tour ends at Pier A ([map](#))**
Lunch on your own, many great options nearby!