



## Retreat Agenda

June 5, 2023

Princeton University

### Making Research a Reality: Innovating the Built Environment for a Net-zero Future

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The tenth annual Princeton E-affiliates Partnership Retreat will spotlight the role of the built environment in the transition towards a decarbonized future. Participants will tour Princeton's campus, learning about the efforts underway to reduce the energy consumption of campus infrastructure as a part of the University's ambitious sustainability plan. Along the way, faculty will showcase their innovative research and highlight how it applies to real-world projects. Afterward, speakers from E-affiliates member companies will discuss ways in which organizations can blaze a trail toward sustainability on their own campuses and in the built environment over which they have influence.

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- 8:30 a.m.      **Registration and Breakfast** | Maeder Hall Auditorium, Andlinger Center for Energy and the Environment
- 9:00 a.m.      **Welcome and Overview** | Maeder Hall Auditorium
- Claire F. Gmachl, Interim Director, Andlinger Center for Energy and the Environment; Eugene Higgins Professor of Electrical Engineering; Head of Whitman College, Princeton University*
- Barry Rand, Associate Director for External Partnerships, Andlinger Center for Energy and the Environment; Professor of Electrical and Computer Engineering and the Andlinger Center for Energy and the Environment, Princeton University*
- 9:15 a.m.      **The Message Matters: Effectively Communicating About Sustainable Infrastructure Projects** | Maeder Hall Auditorium
- Presentation and discussion on how to develop successful messaging around infrastructure projects, including research-derived best practices and examples from Princeton's Sustainability Action Plan.
- John Pickering, Chief Behavioral Scientist, Evidn*  
*Elke U. Weber, 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, Princeton University*  
*Shana Weber, Founding Director, Office of Sustainability, Princeton University*
- 10:00 a.m.      **Campus Sustainability Walk** | Andlinger Center for Energy and the Environment to the Embodied Computation Lab
- 10:30 a.m.      **Better Buildings: Cooling and Heating Systems for Maximum Energy Efficiency** | Embodied Computation Lab, School of Architecture
- A tour of the Embodied Computation Lab, featuring a demonstration and discussion about Princeton's ambitious campus energy plan and highlighting innovative research to design cooling and heating systems for optimum efficiency.
- Forrest Meggers, Associate Professor of Architecture and the Andlinger Center for Energy and the Environment, Princeton University*

- 11:15 a.m.      **Sustainability Showcase** | Stadium Drive Garage, Princeton University  
A guided exploration of the state-of-the-art energy efficiency features in and around Princeton's Stadium Drive Garage, with presentations by Princeton faculty and staff connecting their work to campus improvements.
- Edward T. Borer**, *Director, Energy Plant, Princeton University*  
**Minjie Chen**, *Assistant Professor of Electrical and Computer Engineering and the Andlinger Center for Energy and the Environment, Princeton University*  
**William Evans**, *Electrical Engineer, Office of Facilities, Princeton University*  
**Kelsey Hatzell**, *Assistant Professor of Mechanical and Aerospace Engineering and the Andlinger Center for Energy and the Environment, Princeton University*  
**Ijeoma D. Nwagwu**, *Assistant Director of Academic Engagement and Campus-as-Lab Initiatives, Office of Sustainability, Princeton University*
- 12:30 p.m.      **Lunch and Poster Session** | Maeder Hall Courtyard, Andlinger Center for Energy and the Environment
- 2:00 p.m.      **Keynote: Pioneering Sustainable Change in the Built Environment** | Maeder Hall Auditorium
- Jeff Terry**, *Vice President, Corporate Social Responsibility and Sustainability, GAF*
- 3:00 p.m.      **Implementing Sustainable Infrastructure: Practical Insights and Industry Case Studies** | Maeder Hall Auditorium  
Panel discussion on how companies can consider and include the built environment on their pathway to net-zero, featuring perspectives from a renewable energy developer, sustainability fund, and technology company.
- Forrest Meggers**, *Moderator, Associate Professor of Architecture and the Andlinger Center for Energy and the Environment, Princeton University*  
**Brent Alderfer**, *Founder and Board Director, Community Energy, Inc.*  
**Peter Hirsch**, *Head of Sustainability, 2150*  
**Edward Knapp**, *Chief Technology Officer, American Tower*  
**Stacy Mahler**, *U.S. Head of Sustainability, Smart Infrastructure, Siemens*
- 4:15 p.m.      **Closing Remarks** | Maeder Hall Auditorium
- 4:30 p.m.      **Poster Awards and Reception** | Maeder Hall Courtyard