Energy Efficiency and Renewable Energy Day at MIT
with the U.S. Department of Energy’s
Office of Energy Efficiency and Renewable Energy

Thursday, March 17

Energy Efficiency and Renewable Energy (EERE) Day at MIT brings together leaders from the Department of Energy’s (DOE) Office of Energy Efficiency and Renewable Energy, MIT faculty members, students, and key members of the clean energy community to discuss EERE’s mission, vision, and accomplishments and expand existing areas of collaboration. This is a great opportunity for students to network with national clean energy leaders and learn more about internships, fellowships, and career opportunities within the federal government.

This collaborative event features panel discussions involving MIT and DOE experts on clean energy topics, including sustainable transportation, renewable energy, grid modernization, energy efficiency, clean energy entrepreneurship, and advanced manufacturing. Student leaders will moderate a lunch panel discussion with MIT alumni working at EERE about career paths in clean energy. The poster session will showcase current research projects by MIT students.

Agenda

8:30am – 9:00am  Breakfast & Registration

9:00am – 9:10am  Opening Remarks and Introductions
Robert Armstrong, Director of the MIT Energy Initiative (MITEI) and Chevron Professor of Chemical Engineering, MIT

9:10am – 9:40am  Keynote – “Reinventing Energy @ DOE”
David Danielson, Assistant Secretary for Energy Efficiency and Renewable Energy, DOE

Morning Sessions
EERE representatives provide an overview of its core RD&D Programs and MIT faculty share current research and perspectives on future goals.

9:40am – 10:20am  Sustainable Transportation
Bioenergy, Electric Vehicles, Hydrogen, and Fuel Cells

  Rueben Sarkar, Deputy Assistant Secretary for Sustainable Transportation, DOE
  David Keith, Assistant Professor of System Dynamics, MIT

10:20am – 10:30am  Break

10:30am – 11:10am  Renewable Power and Grid Modernization
Geothermal, Solar, Wind, and Water

  Doug Hollett, Deputy Assistant Secretary for Renewable Power, DOE
  José Zayas, Wind and Water Power Technologies Director, DOE
  Raanan Miller, MITEI Associate Director, Utility of the Future Study, MIT
  Francis O’Sullivan, MITEI Director of Research and Analysis, MIT
11:10am – 11:50am  
**Buildings, Energy Efficiency, and Advanced Manufacturing**  
*Buildings, Federal Energy Management, Manufacturing, and Weatherization*  
- **Mark Johnson**, Advanced Manufacturing Office Director, DOE  
- **Patrick Phelan**, Emerging Technologies Program Manager, Building Technologies Office, DOE  
- **Richard Braatz**, Edwin R. Gilliland Professor, MIT  
- **Harvey Michaels**, Energy Efficiency Lecturer and Research Scientist, MIT

11:50am – 1:15pm  
**Lunch Panel with MIT Alumni**  
*Student leaders moderate a panel in which MIT alumni discuss their experiences, opportunities at EERE, and other career-focused advice.*  

**Moderators:**  
- **Linda Cheung**, MBA Candidate 2017: Sustainability, Entrepreneurship, and Finance, MIT  
- **Michael Birk**, Statoil-MIT Energy Fellow and Research Associate for MITEI’s Utility of the Future  
- **David Danielson**  
- **Brian Walker**, Clean Energy Manufacturing Initiative Senior Fellow, DOE  
- **Johanna Wolfson**, EERE Tech-to-Market Director, DOE  
- **Joyce Yang**, former Lab Impact Director, DOE

1:15pm – 1:30pm  
**Break**

1:30pm – 2:45pm  
**Panel: Re-Inventing the American Clean Energy Innovation Ecosystem: Support for the Next Generation of Energy Entrepreneurs**  
*EERE and MIT leaders discuss recent trends in the American clean energy innovation ecosystem and describe high-impact new programs designed to support the next generation of clean energy entrepreneurs.*  

**Moderator:** **David Danielson**  
- **Mark Johnson**, Advanced Manufacturing Office Director, DOE  
- **Johanna Wolfson**, EERE Tech-to-Market Director, DOE  
- **Thomas Hynes**, Senior Lecturer in the Martin Trust Center for MIT Entrepreneurship, MIT  
- **Christopher Noble**, Technology Licensing Officer, MIT  
- **Emily Reichert**, CEO, Greentown Labs

2:45pm – 3:00pm  
**Break**

3:00pm – 4:15pm  
**Panel: MITEI’s Low-Carbon Energy Centers and Opportunities for Collaboration with EERE**  
*MITEI’s Low-Carbon Energy Centers aim to advance research on solutions in specific technology areas, which include solar, storage, and materials for energy and extreme environments. This panel outlines the goals of these centers and explores opportunities for shared agendas.*  

**Moderator:** **Robert Armstrong**  
- **Mark Johnson**, Director, Advanced Manufacturing Office, DOE  
- **Rueben Sarkar**, Deputy Assistant Secretary for Sustainable Transportation, DOE  
- **Elaine Ulrich**, Program Manager, SunShot Balance of Systems/Soft Costs, Solar Energy Technologies Office, DOE  
- **Vladimir Bulović**, Associate Dean for Innovation and Fariborz Maseeh (1990) Professor of Emerging Technology, MIT  
- **Yet-Ming Chiang**, Kyocera Professor, MIT  
- **Krystyn Van Vliet**, SMART Research Professor, MIT

4:15pm – 4:45pm  
**Closing Remarks**  
- **David Danielson**  
- **Robert Stoner**, MITEI Deputy Director for Science and Technology, MIT

4:45pm – 5:45pm  
**Networking Reception with Student Posters**