

# Shifting Energy Culture Series



## Get Innovative with Energy: Research & Innovation

This session concerns innovative research on reducing energy demand from a wide range of fields. It will open with a remote talk from the DEMAND Centre, UK, on *Sweaters, Ovens and Student Life: Ordinary technologies and what they mean for energy demand*. Dr. Elizabeth Shove will introduce research which starts from the premise that energy is not used for its own sake but as part of accomplishing social practices at home, at work, and in moving around. Janine Morley will then present insights from her PhD research, which followed such an approach to investigate patterns of energy demand in student accommodation. Then our visiting speaker Dr. Clinton J. Andrews will discuss how his Center for Green Building at Rutgers University embraces multi-disciplinarity when studying energy usage, including the value of using social science methods to inform engineering decisions. And Dr. Saifur Rahman will discuss the work of the Advanced Research Institute at Virginia Tech on smart grid technology innovation.

### Session Speakers:

**Elizabeth Shove**, Director, Dynamics of Energy, Mobility and Demand (DEMAND) Centre, Lancaster University, UK

**Janine Morley**, DEMAND Centre, Lancaster University, UK

**Clinton J. Andrews**, Director, Rutgers Center for Green Buildings & Rutgers Energy Institute

**Saifur Rahman**, Joseph Loring Professor of ECE, Virginia Tech

**Wednesday, April 8, 2015, 12:00 PM-2:00 PM**

Hill Conference Room, LeBow Engineering Center, Room 240  
31st and Market Streets, Philadelphia PA 19104



**Lunch will be provided.**

### Sponsors Include:

Institute for Energy and the Environment  
Center for Science, Technology and Society  
Center for Mobilities Research and Policy  
Center for Electric Power Engineering  
College of Engineering  
College of Arts and Sciences

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**RSVP:** [sec2015-april.eventbrite.com](http://sec2015-april.eventbrite.com)

# Upcoming Sessions in the series

## April 08, 2015

*Get Innovative with Energy: Research & Innovation*

### Speakers Include:

**Elizabeth Shove**, Director, Dynamics of Energy, Mobility and Demand (DEMAND) Centre,  
Lancaster University, UK

**Janine Morley**, DEMAND Centre, Lancaster University, UK

**Clinton J. Andrews**, Director, Rutgers Center for Green Buildings & Rutgers Energy Institute

**Saifur Rahman**, Joseph Loring Professor of ECE, Virginia Tech

## May 27, 2015

*Energy Wise: Citizen Scientists and Open Data*

### Speakers Include:

**Gwen Ottinger**, Drexel University

**Kirk Jalbert**, Rensselaer Polytechnic Institute

**Nick Shapiro**, Chemical Heritage Foundation

**Sara Wyle**, Northeastern University

## About the Series

The Shifting Energy Cultures Series is part of a multi-disciplinary research project funded by the Institute for Energy and the Environment that explores the social ordering of choices, problems and practices that shape “energy cultures” in campus environments. We will use Drexel’s “smart grid” building system as a case study and living lab.

This series of talks invites students and others on campus to look more closely at our electricity systems, power usage, and how “smart” technologies are helping us to understand campus energy usage better. A group of invited speakers will help us to bring energy issues to the foreground, engaging in discussions of energy efficiency and informing us about what resources exist to manage energy demand on campus, locally in our city, in our region and beyond.