

## **PANEL 1: Residential Buildings: Technologies, Design, Operations, and Industry Trends**

Energy technologies and solutions continue to rapidly advance, diversify, and integrate across systems, markets, and delivery channels. Energy economy is getting smarter, more interdependent, and more complex. Focusing on residential buildings, this panel will address engineering and design topics for new and existing construction across these and related categories:

- Finding the balance: energy efficiency and clean energy
- Grid-interactive technologies, smart controls, and connected devices
- Delivering performance in the field
- Solutions for scaling up improvements in existing building stock
- Trends and the future of energy technologies and systems
- The impact of technologies on disadvantaged communities
- Ensuring equitable deployment of new technologies