

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. It's also getting more interdependent and complex. With focus on the residential market, both single-family and multifamily, this panel will address technical engineering and building science topics for new construction and existing buildings across these and related categories:

- 1) Finding the balance: energy efficiency and clean energy;
- 2) Grid-interactive efficient buildings, smart controls, and connected devices;
- 3) Quality assurance and code compliance in design, modeling, construction, and commissioning;
- 4) Performance monitoring, analysis, and modeling;
- 5) Trends and future of energy technologies and systems.