

Panel 12: Smart Buildings, Smart Grid

Information Technology and the Internet of Things hold the promise of easier, more compelling energy efficient, grid-interactive buildings. This panel focuses on novel applications of data science, modeling, management, visualization, network communication, machine and reinforcement learning, and optimization; technologies that support behavior change and inform decision-making throughout the building lifecycle; advancements in hardware, software, and communications interoperability for grid-interactive energy efficient buildings; application of advanced hardware and software technologies that increase adoption of energy efficiency, load flexibility, distributed energy resources, and demand response in commercial and residential buildings.