

### **Panel 3: Commercial Buildings: Technologies, Design, Operations, and Industry Trends**

This panel will cover a range of US and international topics, including: existing building retrofits and new construction technologies; integrated design and technologies; innovative, smart technologies; electrification of commercial building end uses; prefabrication and modular construction techniques; energy-efficient and demand-responsive equipment; systems and controls for ventilating, space conditioning, lighting, daylighting, and water heating; energy management and information systems; occupant comfort, well-being, and other benefits; innovative user approaches; benchmarking and performance analysis/modeling/monitoring; commissioning and fault detection and diagnostics; on-site renewable generation and management; community-level energy management; miscellaneous and process load optimization and management such as commercial cooking and workplace electric vehicle charging; and industry and market trends.