

2018 SUMMER STUDY BUILDINGS: PANEL 3

COMMERCIAL BUILDINGS: TECHNOLOGIES, DESIGN OPERATIONS, AND BUILDING INDUSTRY TRENDS

PANEL LEADERS: **Chad Gilless**, *Stillwater Energy* and **Nora Wang**, *Pacific Northwest National Laboratory*

SESSION TOPICS: To support the conference theme of making energy efficiency easy and enticing, this panel will cover a range of US and international topics, including: building science and engineering focusing on retrofitting existing buildings and new construction technologies; integrated design and technologies; innovated, smart technologies; prefabrication and modular construction techniques; energy-efficient and demand-responsive equipment, systems and controls for ventilating, space conditioning, lighting, daylighting, and water heating; energy information systems; occupant comfort, well-being, and other benefits; innovated user approach; benchmarking; performance analysis/modeling; performance monitoring; commissioning; fault detection and diagnostics; on-site renewable generation and management; community level energy management; miscellaneous and process load optimization and management; and industry and market trends.