

2018 SUMMER STUDY BUILDINGS: PANEL 1

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

PANEL LEADERS: **Cheryn Metzger**, *Pacific Northwest National Laboratory* and **Dave Roberts**, *National Renewable Energy Laboratory*

SESSION TOPICS: This panel will cover a range of building science and engineering topics focusing on high-performance innovations that make energy efficiency easy and enticing in residential buildings in the US and internationally, including: integrated design; envelope load reduction; energy efficient and demand-responsive equipment; connected devices; smart controls; net zero energy; comfort; indoor air quality; performance analysis/modeling; performance monitoring; benchmarking/rating/ labeling; fault detection and diagnostics; commissioning; construction trends and techniques.