



Call for Presentations and Paper Abstracts

14th International Conference for
Enhanced Building Operations

The proposed topic should be related to an organization's or individual's recent or current work in topics listed below and it should focus on concrete outcomes and achievements

For each thematic area of interest, we are seeking a variety of presentations that cover the identification of specific barriers, how they were overcome, creative and innovative solutions, and tangible outcomes that can be scaled up and transferred to other regions.

September 14-17, 2014 • Beijing, China - Tsinghua University

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Best practices/programs in commissioning and re/retrocommissioning of buildings & central cooling/heating plants

- Case studies and programs, detailing the multiple benefits of aggressive O&M and on-going commissioning for owners, operators, occupants and investors
- Case studies of Continuous Commissioning®, re/retrocommissioning, on-going commissioning and commissioning of new and existing buildings and central plants – what works and does not work
- Re/retro commissioning and commissioning of special high-energy use buildings such as critical care, data centers and research laboratories case studies and for specialty spaces within a building
- Measuring and verifying energy performance of buildings and HVAC systems
- Advanced techniques for HVAC control strategies, chiller plant efficiency, indoor air quality, integrated daylighting controls, and combined heat and power for commercial buildings
- Strategies for persistence of savings
- Linking existing building commissioning and the presence of on-going commissioning to persistence of savings

Technical advancements and innovation for enhanced building operations

- Research initiatives for enhanced building operations, controls and diagnostics
- Emerging technologies for enhanced building operations, controls and diagnostics
- Improving building operations through enhanced automation
- Rule-based HVAC fault detection systems innovations and advancements
- Improving performance through on-going sensor and meter calibration programs
- Advanced metering strategies and technologies for high performance buildings
- High-performance sustainable green buildings research and case studies
- Monitoring-based, on-going commissioning practices and techniques
- Building performance modeling and simulation best practices and tools
- Integrating building performance analysis into the design process
- Roles of occupant [tenant] and owner/operator in building energy performance

Progressive government & utility programs and policies for enhancing building operational performance especially based on data

- Federal / central, municipal government and utility company programs and policies for building efficiency in operation
- Building industry drivers of commissioning/re-commissioning programs especially for investor-owned commercial buildings
- Building energy labeling and benchmarking programs based on various metrics, indices and market valuation techniques
- Codes, standards and voluntary programs for enhanced building operational performance
- Building commissioning/optimization as part of a certification process such as LEED® [US], GREEN STAR [CHN], etc.
- Optimization of special public facilities such as airports, train stations, pools, & ice rinks
- International harmonization efforts for open protocol specifications on building operation and management
- New frontiers, road maps and programs for high performance buildings with low operational energy consumption of the future
- New frontiers for the high performance building and commissioning industries
- Future training needs of commissioning providers and integrated service suppliers
- Building operator workforce development and training programs for high performance buildings

Author registration fees must be paid before papers are included in the final program and conference proceedings.