# THE OBJECTIVE: IMPROVE MODELING QUALITY

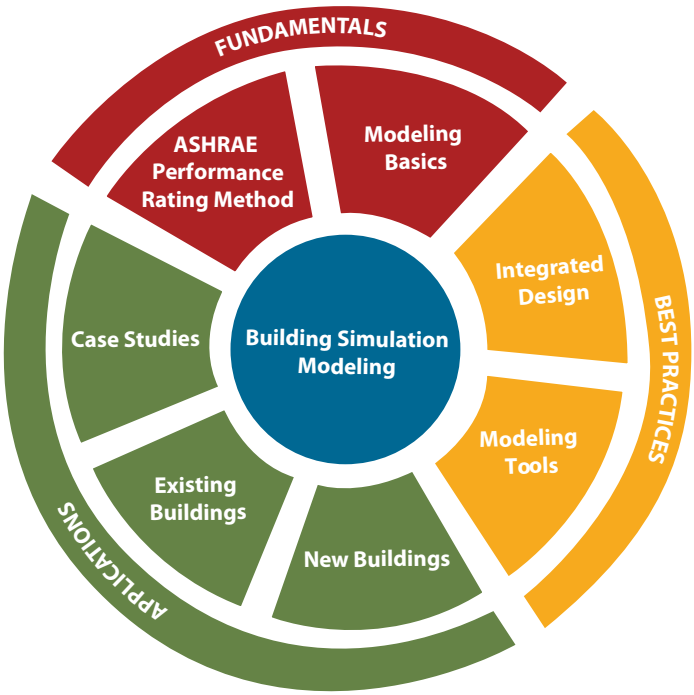
## SimBuild 2010 Conference
## Building Energy Modeling Workshop

HVAC and Thermal Emphasis

Monday, Aug 9, 9am – 5pm
Kimmel Center @ NYU in New York City
Developed by IBPSA and ASHRAE in conjunction with RMI

**This training workshop focuses on topics critical to the effective delivery of energy modeling services, including:**

- ASHRAE Standard 90.1-2007 and LEED™
- High-performance, low-energy buildings
- New and existing building modeling
- Modeling best practices
- Modeling tools to support best practices
- Modeling procedures for integrated design
- Case studies for all design phases




*Successful modeling requires knowing more than modeling software*

**Participants will receive:**

- Tools for generating input data from building characteristics
- A life-cycle cost assessment tool
- A batch pre-/post-processing and QC tool for eQUEST/DOE 2.2 analysis
- Guidance on how to incorporate quality control procedures into the modeling process
- Access to the Building Energy Modeling Body of Knowledge or "BEMbook," a wiki on-line primer covering the current state of knowledge and practice of building energy modeling
- Access to the training materials presented

**Who should attend?**

- Energy modelers with at least 1 year experience
- Energy modelers who have modeled at least 5 whole buildings
- Graduate students in the building science or engineering fields
- Mechanical engineers who oversee energy modeling projects
- Anyone that can benefit from energy modeling lessons learned

**To register, go to http://ibpsa.us/simbuild2010/**
**Cost: $300 student; $425 non-student**

*Rocky Mountain Institute® (RMI®) (with help from Gail Hampsmire) developed the 2010 Energy Modeling Training Workshop materials. RMI, founded by Amory Lovins, is a nonprofit research and educational foundation aiming to foster efficient and sustainable use of resources. RMI believes sharing its internal modeling resources for the good of the modeling community is consistent with its mission. Take advantage of this opportunity to hear a team of experienced energy analysts share the procedures they follow to achieve outstanding results.*

**Ellen Franconi, Ph.D. LEED AP** is a Senior Consultant with RMI. Ellen has 25 years of experience in building systems engineering through her work with research institutes and private industry. She is a long time member of the International Performance Measurement and Verification Protocol Committee and is an M&V content expert for LEED for the USGBC. In recent work within the private sector, Ellen developed and formalized methods to deliver energy modeling services to support sustainable design assistance for over 50 commercial building projects. Ellen led the development of in-house pre- and post-processing tools, provided trainings for new analysts, and completed quality assurance reviews. One of her modeling claims to fame is performing over 3500 DOE-2 runs to characterize the entire commercial building sector.

**Kendra Tupper, PE, LEED AP** is a Senior Consultant with RMI. Kendra has a Bachelors Degree in Mechanical Engineering and a Masters Degree in Building Systems Engineering. Kendra worked in the solar industry and more recently as a mechanical engineer and project manager with the building energy analysis team at WSP Flack + Kurtz. While at Flack + Kurtz, Kendra successfully started the in-house energy modeling group and provided in-house trainings to new analysts. Kendra came to RMI to lead their energy modeling services. For the past 2 years, Kendra has trained over 10 staff members in various energy modeling tools.

**Gail Hampsmire, PE, LEED AP**, is sole proprietor of her new firm Low Energy Low Cost. Gail is a Mechanical Engineer with 11 years of consulting experience. Gail provides consulting to the USGBC (and GBCI) to review LEED submissions, and train new reviewers to evaluate Energy & Atmosphere Credit Energy Efficiency Credit (EAc1) submittals. During her tenure at CTG Energetics, she provided energy consulting services for more than 75 projects that achieved LEED certification. Energy models she developed range from a naturally ventilated 10,000 square foot LEED Platinum project to large high-rise condominium, high-rise office, and laboratory projects.

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