



August 14 Program

A Night of Energy Modeling Featuring the Wizard of SD

In partnership with the American Society of Heating, Cooling and Air-Conditioning - St. Louis Chapter

The design process for extraordinary green buildings starts in the pre-design and schematic design phases. Basic elementary decisions in these phases of a project have a far greater capacity to contribute to the overall energy efficiency of a building than the active systems that are subsequently integrated. Yet, many of today's "green" buildings would be considered energy hogs if evaluated strictly from a "passive" perspective. Unknowingly, many architects and designers continue to rely on the mechanical design to make their buildings energy efficient (instead of low energy intensity) and indirectly expect them to compensate for poor schematic design decisions. Does the proverbial phrase "lipstick on pig" come to mind?

This program is more than the routine PowerPoint and talking head presentation – it is a lively and interactive demonstration in the use of energy modeling software and how it can be used to influence early design decisions. The program will begin with a demonstration of how to access and download this free public software and then a basic review of the eQuest Schematic Design Wizard component including its capabilities and limitations. Next, a case study demonstrates how the software is used to shape an actual case study building. The session concludes with interactive participation from the audience. This is where the improvising portion begins. Two teams are selected from the audience to participate in a friendly design competition for a new building demonstrating how this software can assist designers with building geometry, building orientation, daylighting, insulation, glazing, etc. and how the accrual of informed design decisions can lay the foundation for truly low energy intensity, high performance green buildings.



SPEAKER: Kim E Shinn, PE, LEED Fellow, LEED AP BD+C, CxA, BEMP

Kim Shinn is a registered professional mechanical engineer and a Principal and Senior Sustainability Consultant with TLC Engineering for Architecture. He has been actively involved in the design or commissioning of over eighty LEED registered and certified projects. Kim has helped create the Green Guide for Health Care (GGHC) and is on the LEED committees to draft application guides for laboratories, healthcare and campus combined heat/cooling/ power systems. Kim has led an active role with USGBC on both national and local levels, including co-founding the USGBC-Middle Tennessee Chapter and serving as a member of the national USGBC Board of Directors from 2006 through 2009.

CONTINUING EDUCATION: Submitted for approval of 1 GBCI CE Hour and 1 AIA/CES CEH

WHEN: Tuesday, August 14, 2012, 5:30-6:15pm—Registration & Networking, 6:15-7:30pm—Formal Presentation

WHERE: Sheet Metal Workers Local 36, 2319 Chouteau, Suite 200, St. Louis, MO 63103 [map](#)

FEE: Free for USGBC-Missouri Gateway and ASHRAE-St. Louis Members as well as Full-time Students; \$20 for Non-members

REGISTER: USGBC-MO Gateway members, non-members and students: [click here](#) to register online. ASHRAE-St. Louis Chapter members, register at <http://ashrae-stl.org/>.

QUESTIONS? Contact USGBC-MO Gateway staff at usgbc-mogateway@mobot.org or (314) 577-0225.

