



the KANSAS CITY Chapter of ASHRAE



TECH 2009 Maintain to Sustain



Theme: LEED EB/O&M (Energy & Atmosphere)

SPEAKERS - TOPICS & BIOS



JULIA KEEN - High Performance Buildings

TOPIC: Today it is nearly impossible to avoid the term green or sustainable through advertising and media in our daily life. As professionals involved in the building design and construction industry the trend has changed away from green to high performance. What is a 'high performance building'? Does this term mean the same thing to all of the building design and construction industry? These questions will be addressed as well as discussion of what can be anticipated in the future related to high performance design, related standards, the influence of LEED, and the building certification process.

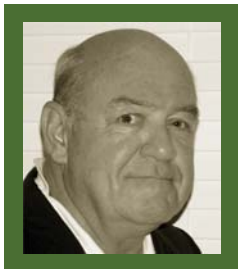
BIO: Julia Keen received her Bachelor's and Master's Degree in Architectural Engineering from Kansas State University. Upon graduation, she worked as a Mechanical/Electrical Project Engineer in Waterloo, Iowa. In July 2003, Julia returned to Kansas State as a faculty member in the Architectural Engineering and Construction Science Department with her area of specialty being HVAC. She is a Licensed Professional Engineer of Mechanical Engineering in Iowa and Kansas. Her most recent accomplishment is attaining the ASHRAE High-Performance Design Professional Certification.



JOHN BOTHOF - Renewable Energy

TOPIC: This Presentation will cover Renewable Energy, what it is, types that are available, and best practices within the region. It will also cover how to apply it to LEED Energy and Atmosphere Credits. It will explain how renewables work with a building and how to choose which best works for a particular building.

BIO: John Bothof has a Bachelor's Degree in Physics from Northwest Missouri State University and an Electrical Engineering Degree from The University of Missouri-Columbia. As an electrical engineer and project manager at Burns & McDonnell, John has worked on a variety project types including aviation, renewable energy projects, industrial, and commercial facilities for both international and domestic clients. His projects include: providing over 1MW of Renewable energy to a LEED Platinum Student housing Facility in Doha Qatar, and designing an approximately 800kW photovoltaic array for a LEED gold exhibition hall. He has worked on many photovoltaic projects ranging from designer of a proposed 20MW array, and engineer on a 10 MW installation in Arizona. He has been involved with Renewables throughout his career and is also currently working on multiple wind installations in the local area.



DAVID CRAVEN - Measurement & Verification

TOPIC: The presentation will center on 3 points: (1) the traditional approach to energy expenditure analysis in terms of process and results will be examined; (2) a proposed model for collecting and validating near real time continuous data collection and analysis will be offered; and (3) the relative cost and benefit for either approach along with designing for future requirements using wireless technology as a basis.

BIO: As VP of Sales & Business Development for Spinwave, Dave has over 30 years experience in the building automation and controls industry. Prior to joining Spinwave, Dave served as Director of Advanced Technology Applications for Goodman Manufacturing, a leading manufacturer of heating and air conditioning products. While at Goodman, Dave developed and introduced the first 802.15.4 RF network products for temperature and occupancy control. Dave's extensive building automation experience includes a variety of sales, management and engineering positions with Bechtel, Merck Pharmaceutical, American Standard, and Time Energy. Dave has also served in business development and operations roles for building automation veteran, Andover Controls (acquired by TAC and now a subsidiary of Schneider Electric), as well as building automation systems integrators, EMCOR Facilities Services Group and Engineered Services. He holds a Bachelor of Science in Mechanical Engineering from Witwatersrand University in Johannesburg, South Africa.