

ASHRAE Technical Session Speakers – May 12th, 2016.

ASHRAE Members: \$300; With CRC registration: \$450; Students: \$150; Non-member: \$400

Tim Wentz, PE, HBDP

ASHRAE President-Elect

Associate Professor of Construction Management

University of Nebraska – Lincoln



The Interface between Risk and Ethics

The topic of ethics has always been difficult to address because ethics itself is often seen as fluid; it depends on the person, the culture or the situation thereby making it difficult to measure or predict. Risk has many of the same attributes in that it can also be very fluid and difficult to measure or predict.

The presentation looks at the relationship between risk and ethics while exploring some ways at placing risk and ethics into a common context where they can be viewed together and likely outcomes measured or predicted.

Charles E. Gulledge, III, PE, HBDP, LEED AP

ASHRAE Vice-President

AC Corporation

Greensboro, North Carolina



Integrated Building Design

GBCI Approved | 1.5 CE Hours | 0090010495

AIA Approved | 1.5 LU/HSW | GULLEDGE01

The quest of successfully providing a truly integrated building design (IBD) continues to challenge our industry and the built world. This program looks at these challenges, identifies barriers to success, and explores solutions to promote and achieve holistic IBD. Content covers the following topics:

- What is IBD?
- Project delivery techniques
- Design team structures
- Design discipline cross-links and coordination
- Hidden barriers
- How do we make IBD work?

M. Dennis Knight, PE, BEMP

ASHRAE Director-At-Large

Whole Building Systems

Mt. Pleasant, South Carolina



Integrated Building Design and Building Information Modeling

GBCI Approved | 1 CE Hour | 0920004589

AIA Approved | 1 LU|HSW| KNIGHT01

This presentation focuses on the Integrated Building Design and Project Delivery processes including team building, project management, stakeholder responsibilities, early collaboration, better decision making, documentation methods and the use of technologies like BIM to improve the built environment. The presentation provides an overview of ASHRAE Applications Chapter 57 and how to apply its recommendations to help design, construct, operate and maintain better buildings.

Tim Wentz, PE, HBDP

Professor Wentz graduated from the University of Nebraska with a BS degree in Mechanical Engineering and a Master's degree in Business Administration. He then went on to work in the family mechanical contracting firm. He spent 19 years in the industry, before entering academia. Wentz has received numerous awards for his teaching and service to the HVAC industry including the Distinguished Service Award, MCAA's highest award and he is the current President-Elect of ASHRAE.

Charles E. Gulledge, III, PE, HBDP, LEED AP

Charles E. Gulledge III, PE, HBDP, LEED AP is a current ASHRAE Vice President, serving on the Executive Committee and the Board of Directors. He is a former ASHRAE Director-at-Large. Gulledge has served as past Chair of the ASHRAE 2011 Energy Modeling Conference, Chapter Technology Transfer Committee, and Technical Committee 7.1: Integrated Building Design. He has served as member of the Handbook Committee, CTTC-RVC for Region IV, President of the North Piedmont Chapter, and as the ASHRAE Liaison to the Construction Specifications Institute (CSI). Gulledge has received the Distinguished Service Award, Regional Award of Merit, Chapter Service Award, and the Dan Mills Technical Award.

In his role as the liaison to CSI, Mr. Gulledge was intimately involved in the overhaul of the MasterFormat 2004 (MF04) specification organization structure. He remains a MasterFormat Accredited Instructor for CSI.

Mr. Gulledge has presented multiple presentations on the Integrated Design Topic as an ASHRAE Distinguished Lecturer and an ASHRAE Learning Institute (ALI) Instructor. He has provided outsourced ALI instruction to organizations such as the New York City Transit Authority and NAVFAC. Additionally, he participated as a speaker for the ASHRAE Satellite Broadcast on Integrated Building Design.

Mr. Gulledge is a Senior Mechanical Engineer with the design/build firm of AC Corporation in Greensboro, NC. He has over 31 years of experience in the HVAC industry. A licensed professional engineer in the states of North Carolina, Georgia, Kentucky, South Carolina, Virginia, and Alabama; he received his B.S. in Mechanical Engineering from North Carolina State University.

M. Dennis Knight, PE, BEMP

M. Dennis Knight has 40 years of experience providing engineering, design and construction related services within the building industry. Active at the local, state and national levels with various agencies and professional societies, he works to help develop sustainable, integrated building design guidelines. Nationally, as a member of ASHRAE, Mr. Knight is the Chairman of the BIM Multi-disciplinary Task Group (MTG), is the former Chair of Technical Committee (TC) 7.1 "Integrated Building Design," serves on ASHRAE Standards Committee and serves as the Chair of the ASHRAE/IBPSA-USA 2014 Building Simulation Specialty Conference. He has also served as the President of the Charleston Chapter twice since he joined the Society in 1979. Mr. Knight was recently elevated to the membership grade of ASHRAE Fellow at the ASHRAE 2014 Winter Meeting in New York City. Mr. Knight founded Whole

Buildings Systems, LLC, in 2010 after having owned both an engineering firm and a construction company, and most recently serving as a Principal at Liollo Architecture. Whole Building Systems' practice focuses on commissioning, building performance simulation, energy management, BIM applications, and operations and maintenance management and planning. Mr. Knight holds an assortment of professional registrations and accreditations. He is a Registered Professional Engineer in South Carolina, North Carolina, and Wisconsin and holds dual registration in South Carolina as both a Mechanical Engineer and a Fire Protection Engineer. He is a LEED Accredited Professional, a Construction Specification Institute (CSI) certified Constructional Specification Specialist, a American Commissioning Group (ACG) certified Commissioning Authority and Building Performance Institute (BPI) certified as both a Building Energy Analyst and a Building Envelope Professional.