Standard 189.1: Structure, Requirements and Energy Savings
Tuesday, January 7, 2014

ASHRAE Distinguished Lecturer – Drury Crawley, Ph.D., leads the team developing a new generation of building performance software for energy and sustainability at Bentley Systems, including AECOsim Energy Simulator and Hevacomp, among others. Prior to joining Bentley in 2010, Dr. Crawley led development of EnergyPlus and the USDOE's Commercial Buildings Initiative (now the Better Buildings Initiative), working to create low- and zero-energy buildings.

Dr. Crawley has more than 35 years of experience in building energy efficiency, renewable energy, and sustainability. He received his PhD in Mechanical Engineering from University of Strathclyde in Glasgow, Scotland and a Bachelor of Architecture from University of Tennessee. (see full biography attached).

Presentation Abstract: Standard 189.1, Standard for the Design of High-Performance, Green Buildings except Low-Rise Residential Buildings, is the first code-intended commercial green building standard in the United States. The standard covers key topic areas of site sustainability, water use efficiency, energy efficiency, indoor environmental quality and the building's impact on the atmosphere, materials and resources, and includes construction practices as well as plans for operation of the building after occupancy. This presentation provides an overview of the structure and requirements of Standard 189.1, including key mandatory, prescriptive, and performance requirements. The expected energy savings in comparison to other ASHRAE Standards by commercial building type is also shown.

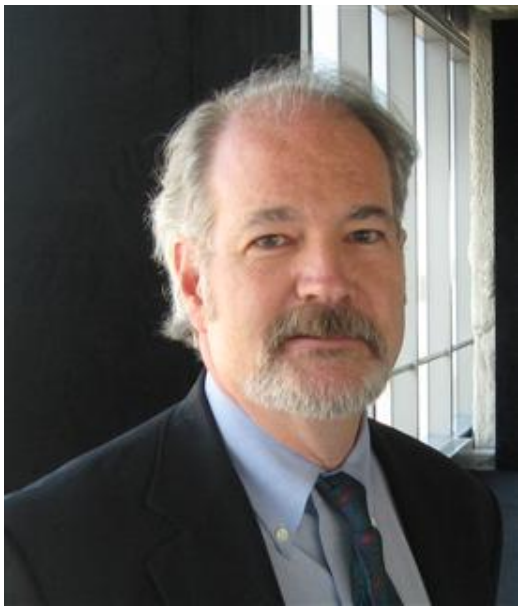
Earn 1 hour of Professional Development Hours at this meeting.

*Date: ***TUESDAY** January 7, 2014*
Lunch Location: ITT TECH – Theory 4 – 5425 Robin Hood Rd, Norfolk, VA 23513

- *Enter Building Doors right below ITT Tech Sign hanging from Bldg Facade*
- *Turn right in the foyer and pass the receptionist desk*
- *Take double doors out of foyer and ASHRAE sign in desk will be in the hallway*

Time: Meet and Greet/Lunch at 11:45am and Tech Session begins at 12:00 pm
Payment: Members = $20.00 Non-Members = $25.00 Students = $10.00
For reservations go to http://hamptonroads.ashraechapters.org/

ASHRAE Distinguished Lecturer - Drury Crawley, Ph.D.



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A registered architect, he is a Fellow in ASHRAE and currently chair of TC 4.2 Climatic Information and Standard 169 Climatic Data for Building Design Standards, and an ASHRAE Distinguish Lecturer. He is a recipient of the ASHRAE Distinguished Service Award in 2001, the ASHRAE Research Administration Committee's Service to ASHRAE Research Award in January 2012, the ASHRAE BEMP (Building Energy Modeling Professional) certification in October 2012, and the ASHRAE Exceptional Service Award in June 2013. He is also a member of the ASHRAE Advocacy Committee, SSPC 140, SSPC 189.1, SPC 203P, SPC 205P, SPC 209P, and a former member of the Research Administration and Technical Activities Committees.

He is also a Fellow of IBPSA, at-large board member of IBPSA since 1998, and IBPSA-USA Treasurer and board member since 2013. He also is active in AIA and USGBC. He has published more than 125 papers and articles, testified before the U.S. Congress, lectured at more than 20 universities, and made more than 400 presentations on building energy efficiency, sustainability, and renewable energy throughout the world.