



Applications Now Being Accepted for HVAC Design Scholarship

The ASHRAE Learning Institute is hosting a three-day HVAC Design Essentials Training that allows attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems. The workshop will be held January 14 – 16, 2013 at ASHRAE Headquarters in Atlanta.

To encourage attendance by young professional ASHRAE members, the YEA Institute offers one full scholarship for attendance to the HVAC Design Level I Training: Essentials. The full cost of registration to Level I of this workshop will be covered by ASHRAE.

Criteria: All applicants must be ASHRAE members and 35 years of age or younger as of January 31, 2013 (*student members are not eligible*). Applicants will be reviewed based on contribution to the industry, ASHRAE involvement and career goals.

Deadline: All applications must be received by the close of business on Monday, November 12, 2012. Please complete the online application [here](#) and submit to Rhiannon Loomis at Rloomis@ashrae.org or mail to Rhiannon Loomis, 1791 Tullie Circle, Atlanta, GA 30329.



ASHRAE Webcast to Focus on Building Energy Performance

ASHRAE's upcoming webcast, titled **Assessing Building Energy Performance: From Principles to Practice**, will broadcast live on **April 18, 2013, from 1:00 – 4:00 pm EDT**. This **FREE** webcast is brought to you by the Chapter Technology Transfer Committee.

“This webcast will focus on the importance of building energy performance and its far reaching implications in both new and existing buildings,” said Andy Cochrane, Chair of the CTTC Webcast Ad Hoc Committee. “This program will help participants to recognize the opportunities that Assessing Building Energy Performance (ABEP) presents. From recognizing the different approaches, team skills, and knowledge needed to properly assess building energy performance, to the application of ASHRAE building audit levels, this webcast will provide viewers with an understanding of ABEP principles and practical application knowledge.”



The webcast presenters are: Christopher Mathis, President, MC Squared, Asheville, NC, Drury Crawley, Ph.D, Director of Building Performance, Bentley Systems, Washington, DC and Jim Kelsey, LEED AP, PE, BEAP, Principal, kW Engineering, Oakland, CA.

Online registration for the webcast will begin on March 18, 2013. For more information on the webcast program, sponsorship opportunities, continuing education credits, and ASHRAE resources related to assessing building energy performance, visit www.ashrae.org/ABEPwebcast. If you have questions about the webcast, call 678-539-1200 or email ashrae-webcast@ashrae.org.



Distinguished Lecturer Program Enhances Chapter Meetings

By Farooq Mehboob – Fellow

2012-13 Chapter Technology Transfer Committee Vice Chair

Most Chapter Programs are technical in nature and are greatly valued by our members. The Chapter Technology Transfer Committee (CTTC) (www.ashrae.org/cttc) is working to increase member interest and enhance ASHRAE's outreach to allied professions and Societies with more broad-based programs.

CTTC has identified thirteen Distinguished Lecturer's (DL's) who provide twenty-nine presentations highlighting Leadership, Communication, Decision Making, Negotiating, Problem solving, Planning, Ethics, and Project Management.

The list of DL's who present non-technical presentations is available at www.ashrae.org/distinguishedlecturers. Four ASHRAE Presidential Members are among the thirteen DL's who present twenty-nine non-technical topics.

Chapter programs on non-technical subjects provide an excellent opportunity to arrange joint meetings between ASHRAE Chapters and other allied professional Societies. Joint meetings improve ASHRAE's outreach to allied professions while providing excellent networking opportunities for ASHRAE members.

The ASHRAE DL Programs began in Society Year 1996-97. It is administered by CTTC and provides internationally recognized lecturers to local chapters, regions, student branches, and other organizations.

For a complete listing of Distinguished Lecturers and detailed procedures to arrange a presentation, visit www.ashrae.org/distinguishedlecturers. For additional information, contact Tammy Catchings at tcatchings@ashrae.org or 678-539-1123.

Chapter Programs Offer Support for Meetings

The Chapter Technology Transfer Committee (CTTC) aims to develop and maintain high quality and readily available tools to enable ASHRAE Chapters to offer timely and informative industry-related programs to all segments within the HVAC&R industry.

Check out the "Program Resources" Quick Link at <http://www.ashrae.org/cttc> and find great ideas like these: an IAQ Guide Speaker List, an If a Speaker Cancels....guide, an Attendance/PDH Certificate template, an ASHRAE Chapter Program Survey template, and even an Energy Star presentation, just to name a few.



This is the time to finalize plans for your chapter programs calendar for the entire ASHRAE year. Remember, great Chapter Programs empower your chapter, and all of ASHRAE for that matter, to carry out ASHRAE's mission and vision! Contact your CTTC Regional Vice-Chair for more information and additional resources.



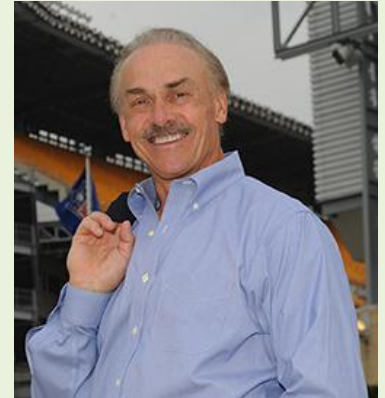
Register For the ASHRAE Winter Conference!

Plenary Speaker Tells Story of Perseverance

Have you registered for ASHRAE's 2013 Winter Conference, Jan. 26-30 in Dallas, Texas? **Register by Nov. 4 and save!**

From its strong technical program to the first-hand experiences offered by its technical tours, the ASHRAE Winter Conference gives attendees opportunities for examining and discussing the latest technology. And don't miss Plenary Session keynote speaker Rocky Bleier.

Bleier had just been drafted for the Pittsburgh Steelers in 1968 when he received a different kind of draft: combat duty for Vietnam. Though he was wounded in both legs while fighting overseas, Bleier embarked on a two-year road to recovery, and eventually pressed on to become one of the Steelers' top leading ground-gainers, passing the 1,000-yard rushing mark in one season and contributing to four Super Bowl victories. His speech, "Be the Best You Can Be," motivates audiences to keep on striving for greater accomplishments.



Bleier shares his remarkable story during the Plenary Session, Saturday, Jan. 26. For more information, visit <http://www.ashrae.org/dallas>.

Specialty Conference Brings Important Topic to Attendees

The principal objective of the Seventh International Cold Climate HVAC Conference, Nov. 12-14, 2012 Calgary, Alberta, Canada, is to provide key elements of a strategy by which scientists, designers, engineers, manufacturers and other decision makers in cold climate regions can achieve good indoor environmental quality (IEQ), with a minimum use of resources and energy.

Some 60 peer-reviewed papers presented by diverse, international authors showcase world-wide perspectives and practices in cold climate design. The Scandinavian Federation of Heating, Ventilation and Sanitary Engineering Associations (Scanvac) and the Federation of European Heating and Air-Conditioning Associations (REHVA) are conference co-sponsors. To register, visit www.ashrae.org/ColdClimate

Young Engineers in ASHRAE (YEA) Hosts Hospitality Suite in Dallas

Attention young professional members age 35 and younger! You are invited to visit the YEA Hospitality Suite on Sunday, Jan. 27, from 4–7 p.m. The suite offers social and networking opportunities and light refreshments are served





New Faces of Engineering: College Edition

Encourage a Student to Apply for Scholarship and Recognition

The program recognizes outstanding junior or senior (defined as third, fourth or fifth year) ASHRAE student members enrolled in a Bachelor of Science in Engineering program from an ABET Accredited school who are proving themselves to be leaders in the field of engineering. The winner will receive a \$1000 **scholarship** and have their profile featured on the New Faces of Engineering: College Edition's Facebook page.

Applicants must “like” the New Faces of Engineering: College Edition Facebook page in order to apply.

To apply to be ASHRAE's New Face of Engineering: College Edition, you must:

- be an ASHRAE member
- be a junior or senior (defined as third, fourth or fifth year) engineering student as of Sept. 1, 2011
- be enrolled in a Bachelor of Science in Engineering program from an ABET Accredited school
- answer four short questions about your experience as an engineering student
- submit one professional-quality head and shoulders photo of yourself in business attire. Photos must be high resolution (300 dpi) to ensure the file size is near 1 MB.

ASHRAE's student New Face of Engineering would demonstrate academic excellence, with a GPA of 3.0 or higher, hold leadership positions within university student organizations, have outstanding communication skills, have a record of some non-engineering related community service and have a proven track record of involvement in the engineering industry. The New Face of Engineering will receive a \$1000 scholarship from ASHRAE. More information can be found [here](#).

Grants Promote the Industry and Gain Recognition For Students

The HVAC&R industry is constantly making strides to improve the technology that makes everyday living possible and better. ASHRAE relies on the research and efforts of young engineers and architects to make advances in the field that will make a difference for future generations.

The ASHRAE Senior Undergraduate Grant Program offers students at schools all over the world an opportunity to work on projects that increase their knowledge of the industry. With support and assistance from university faculty, senior undergraduates can work on an ASHRAE-related topic with funding from ASHRAE up to \$5,000 per project.

Applications for the grant must include details about the project and are to be submitted online by faculty in order to be considered. Projects involving the building of working models, testing equipment, experimental teaching aids, and laboratory experiments are encouraged. Grants may cover projects lasting from one academic term up to one year.

The deadline for application submissions is December 17, 2012. Applicants will receive notification of their application status by February 18, 2013. The highest ranking team will be awarded a trip to the 2014 Winter Conference to present their project at the student program. For complete information on the ASHRAE Senior Undergraduate Grant Program, go [here](#).



ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference and AHR Expo in Dallas, TX

2 WAYS TO REGISTER

Internet: www.ashrae.org/dallascourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member – Earn 6 PDHs/AIA LUs or .6 CEUs

The Commissioning Process in New & Existing Buildings
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Complying with Standard 90.1-2010
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Data Center Energy Efficiency
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

**Energy Modeling Best Practices and Applications:
HVAC/Thermal**
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Healthcare Facilities: Best Practice Design & Applications
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member – Earn 3 PDHs/AIA LUs or .3 CEUs

Air-to-Air Energy Recovery Fundamentals
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Commissioning Process & Guideline 0
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

**Humidity Control: Applications, Control Levels
and Mold Avoidance**
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Evaluating the Performance of LEED®-Certified Buildings
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

**Optimization of HVAC Systems & Components:
Techniques & Real-World Examples**
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Application of Standard 62.1-2010:
Multiple Spaces Equations & Spreadsheet**
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Energy Management in New and Existing Buildings
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Combined Heat & Power: Design through Operations
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Avoiding IAQ Problems
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Understanding Standard 189.1-2011 for
High-Performance Green Buildings**
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Designing Toward Net Zero Energy Commercial Buildings
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal
Irradiation (UVGI) Systems**
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register