

ASHRAE Insights

The Newspaper of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

ASHRAE to Recognize 59

Standard 135-2010

BACnet® Expands In Latest Version

Several new technologies for emerging applications are contained in ASHRAE's newly published BACnet standard.

ANSI/ASHRAE Standard 135-2010, *BACnet—A Data Communication Protocol for Building Automation and Control Networks*, allows building equipment and systems manufactured by different companies to work together. It is the only open, consensus-developed standard in the building controls industry. The new standard contains 19 addenda approved since the 2008 standard was published.

"The 2010 version of the standard represents a large amount of work in a short amount of time by the BACnet committee," said Dave Robin, chair of the BACnet Committee.

The standard contains several new ways to communicate: wireless communications are provided for applications where wired networks are impractical or

See Standard 135, Page 4

HISTORICAL Minute

Ice in 19th Century

"In workshops, composing rooms, counting houses, workmen, printers, clerks have their daily supply of ice. Every office, nook or cranny, illuminated by a human face, is also cooled by the presence of his crystal friend...."

It is as good as oil to the wheel. It sets the whole human machinery in pleasant action, turns the wheels of commerce, and propels the energetic business engine.... It is considered by physicians as a tonic, but an excess, as in the use of intoxicating liquors, will, in all probability produce diarrhea."

—From DeBow's Review, 1855

Members Honored For Contributions To Society, Industry

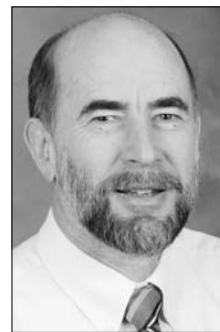
Fifty-nine people will be recognized by ASHRAE for their contributions to the Society and the building industry at the Society's 2011 Annual Conference being held in Montreal June 25–29.

Holladay Distinguished Fellow

The **Louise and Bill Holladay Distinguished Fellow Award**, given to an ASHRAE fellow for continuous preeminence in engineering or research work, is awarded to **Byron W. Jones, Ph.D., P.E.**, Fellow ASHRAE, associate dean for research, College of Engineering, Kansas State University, Manhattan, Kan.

Boggs Service Award

The **Andrew T. Boggs Service Award** recognizes past recipients of the Distinguished Service Award for continuing unselfish, dedicated and distinguished service to the Society. It is awarded to **Richard B. Hayter, Ph.D., P.E.**, Presidential/Fellow/Life Member ASHRAE, associate dean of engineering for external affairs emeritus, College of Engineering, Kansas State University, Manhattan, Kan.



Byron Jones



Richard Hayter

Exceptional Service Award

The **Exceptional Service Award** recognizes Distinguished Award recipients who have continued to serve the Society faithfully and with exemplary effort. Ten recipients were recognized:

Constantinos Balaras, Ph.D., P.E., is research director, Institute for Environmental Research & Sustainable Development, National Observatory, Athens.

Van Baxter, P.E., is senior research and development engineer, Oak Ridge National Laboratory, Oak Ridge, Tenn.

Tim Dwyer, C.Eng., Fellow ASHRAE, is teaching fellow, University College London.

William Fleming, Fellow/Life Member ASHRAE, is owner, Jacwill Services, St. Petersburg, Fla.

Sheila Hayter, P.E., Fellow ASHRAE, is manager, U.S. Department of Energy's

National Renewable Energy Laboratory, Golden, Colo.

Richard Hermans, P.E., ASHRAE Certified Healthcare Facility Design Professional, is director of training and advanced applications, McQuay International, Minneapolis, Minn.

Tom Lawrence, Ph.D., P.E., is senior public service associate, University of Georgia, Athens, Ga.

Michael Ohadi, Ph.D., Fellow ASHRAE, is professor and codirector, Center for Environmental Energy Engineering, Department of Mechanical Engineering, University of Maryland, College Park, Md.

Stanley Westhoff, Life Member ASHRAE, is technical sales associate, Unilux Advanced Manufacturing, Schenectady, N.Y.

Alexander Zhivov, Ph.D., is senior researcher, U.S. Army Engineer Research and Development Center Construction Engineering Research Laboratory, Champaign, Ill.

Distinguished 50-Year

The **Distinguished 50-Year Member Award** is given to persons who have been a member of the Society for 50 years and have performed outstanding service to the Society.

The following six members are receiving this award:

See ASHRAE Honors and Awards, Page 2

ASHRAE Asks Congress to Continue CBECS

The recent announcements regarding the U.S. Energy Information Administration's (EIA) decision to not release the results of the 2007 Commercial Buildings Energy Consumption Survey (CBECS), and to halt work on the 2011 edition of the Survey have prompted ASHRAE to request action.

EIA has opted not to release the 2007

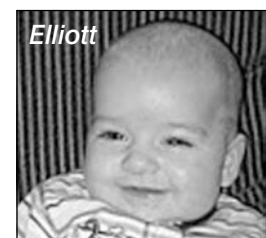
CBECS results and has suspended work on a 2011 Survey due to statistical issues and funding cuts, respectively.

ASHRAE has issued a letter strongly urging Congress to include funding for CBECS in the Fiscal Year 2012 appropriations bills to allow work on the 2011 edition of the Survey to continue. This is particu-

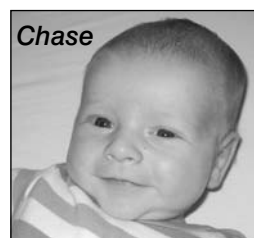
larly important in light of the 2007 CBECS data's discrepancies.

"Information from CBECS plays a critical role in building energy efficiency through the many federal and private sector programs that use the Survey's data in their efforts to establish benchmark levels and

See CBECS, Page 4



Elliott



Chase



Alexis



Bangle



Hannah

Young Members Ensuring More Sustainable Future

When it comes to ensuring a sustainable future for the Society, members of Young Engineers in ASHRAE are doing their part.

A flurry of births has occurred in recent months to current and former members of the YEA Committee.

"One of the main goals of YEA is to grow ASHRAE membership," said Ashley Pruett, manager of Membership and Customer Service. "Obviously our YEA members took that goal to heart by giving us an entirely new generation of ASHRAE members! We can't wait to see how these little ones grow up and help carry out the Society's mission!"

Future ASHRAE members include:

- Elliott Lemire, born Oct. 21, 2010, to Nicolas Lemire, YEA Committee chair;
- Chase Alexander Skelton, born Jan. 31 to Benny Skelton, who served as an inaugural member of the YEA Committee;
- Alexis Rae Long, born Feb. 21 to Nicholas Long, who served as the YEA Committee chair for the 2008–09 Society year;
- Bangle Aaron Smith, born March 4, to Saunders Smith, who is a past YEA Committee member; and
- Hannah Grace Kelty, born March 4 to Carrie Kelty, YEA Communications Sub-Committee chair who takes office as YEA Committee vice chair for the 2011–12 Society year.

YEA was created in 2005 to enhance member benefits for young professional ASHRAE members age 35 and younger.

ASHRAE Honors and Awards



Balaras



Baxter



Dwyer



Fleming



Hayter



Hermans



Lawrence



Ohadi



Westhoff



Zhivov

Continued from Page 1

Richard Harju, P.E., Life Member, is retired and lives in St. Paul, Minn.

Frederick Holste, P.E., Fellow/Life Member ASHRAE, is principle and founder, Holste & Associates, Houston.

Charles Knights, Life Member, is retired and lives in Louisville, Ky.

Oliver Lewis, P.E., Fellow/Life Member ASHRAE, is retired, and lives near Atlanta.

Fareed Ossi, P.E., Fellow/Life Member ASHRAE, is president, Ossi Consulting Engineers, Inc., Tampa, Fla.

Thomas Smith, F.R.Eng, C.Eng., Fellow/Life Member ASHRAE, is retired and lives in Herts, England.

Journal Paper Award

The **Journal Paper Award** honors the best paper or article published in ASHRAE Journal. **Steven T. Taylor, P.E.**, Fellow ASHRAE, and **C. Hwakong Cheng** receive the award for their article, "Economizer High Limit Controls and Why Enthalpy Economizers Don't Work." Taylor is principal and Cheng is senior mechanical designer, Taylor Engineering, Alameda, Calif.



Harju



Knights



Ossi



Smith

Poster Presentation

Frank Lu, Ph.D., P.E., **Matthew Sitzmann, P.E.**, and **Steve R. Smith, P.E.**, receive an **ASHRAE Poster Presentation Award** for "Effects of Dents in Condenser Fins on Air Conditioner Performance." The award is given to peer-reviewed technical papers with the best visual and technical information presented at Society meetings.

Crosby Field Award

Jeffrey D. Spitzer, Ph.D., P.E., Fellow ASHRAE, and **Bereket A. Nigusse, Ph.D.**, are the recipients of the **Crosby Field Award**. Their paper, "Refinements and Improvements to the Radiant Time Series Method," was judged to be the best paper presented before the Society in 2010. The Crosby Field Award is named for Presidential Member Crosby Field, whose ideas and hard work helped shape the industry. Both Spitzer and Nigusse also receive an **ASHRAE Paper Award**, which recognize the authors of the best papers presented at Society meetings. Spitzer is Regents professor and C.M. Leonard Professor, Oklahoma State University, Stillwater, Okla. Nigusse is a research engineer, Florida Solar Energy Center, University of Central Florida, Cocoa, Fla.

Willis H. Carrier

Michael S. Waring, Ph.D., is the recipient of the **Willis H. Carrier Award**, which is given to an ASHRAE member 32 years of age or younger for presenting an outstanding paper at a Society meeting.

ASHRAE Paper Awards

The following papers were selected to receive **ASHRAE Paper Awards**, which recognize the authors of the best papers presented at Society meetings.

Michael S. Waring, Ph.D., and **Jeffrey A. Siegel, Ph.D.**, receive an **ASHRAE Paper Award** for their paper "The Influence of HVAC Systems on Indoor Secondary Organic Aerosol Formation." Waring is an assistant professor, Drexel University, Philadelphia. Siegel is an associate professor and the J. Neils Thompson Centennial Teaching Fellow, Department of Civil, Architectural and Environmental Engineering, University of Texas at Austin.

Distinguished Service Award



Chakroun



Gage



Gebke



Godwin



Grzywacz



Hu



Johnson



Kazachki



Khalil



Knight



Morasch



Perreault



Sun



Toub



Wang

The **Distinguished Service Award** salutes members of any grade for giving freely of their time and talent to the Society. The following 17 members were selected:

Walid Chakroun, Ph.D., Fellow ASHRAE, is professor of mechanical engineering, College of Engineering, Kuwait University, Sufat, Kuwait.

Tim Dwyer, C.Eng., Fellow ASHRAE, is teaching fellow, University College London.

Cynthia Gage, Ph.D., Fellow ASHRAE, is senior research engineer, U.S. Environmental Protection Agency, Research Triangle Park, N.C.

Kevin Gebke is new product development engineer, DuctSox Corp., Peosta, Iowa.

David Godwin, P.E., is environmental protection specialist, U.S. Environmental Protection Agency, Arlington, Va.

Cecily Grzywacz is facilities scientist in facilities management, National Gallery of Art, Washington, D.C.

Robert Hu, Ph.D., Fellow ASHRAE, is lead researcher and deputy general director, Green Energy & Environment Research Labs, Industrial Technology Research Institute, Chutung, Hsinchu, Taiwan.

Phillip Johnson, P.E., is engineering director, applied development center,

McQuay International, Staunton, Va.

Georgi Kazachki, Ph.D., Fellow ASHRAE, is director of advanced technologies, DRS Technologies, Florence, Ky.

Essam Khalil, Ph.D., Fellow ASHRAE, is professor of mechanical engineering, Cairo University, Egypt.

William Knight Jr., P.E., is director of energy management, Greenville County Schools, Greenville, S.C.

Spencer Morasch is advanced engineer, customer support, Jersey Central Power & Light, FirstEnergy Corp., Red Bank, N.J.

Guy Perreault, ing., is president, Evap-Tech MTC, Inc., Quebec City, QC, Canada.

Larry Sun, P.E., is principal, Tsuchiyama Kaino Sun & Carter Engineer, Irvine, Calif.

Samuel Toub, P.E., Fellow/Life Member ASHRAE, is chief engineer, BKT Consulting Engineers, Dallas.

Xinlei Wang, Ph.D., is associate professor, University of Illinois at Urbana-Champaign, Urbana, Ill.

Alexander Zhivov, Ph.D., is senior researcher, U.S. Army Engineer Research and Development Center Construction Engineering Research Laboratory, Champaign, Ill.

ASHRAE®

1791 Tullie Circle NE
Atlanta, GA 30329-2305
Phone: 404-636-8400
Fax: 404-321-5478
www.ashrae.org



PUBLISHER

W. Stephen Comstock

EDITORIAL STAFF

Jodi Scott
Fred Turner
Amanda Dean
Jeri Eader
Sarah Foster
Rebecca Matyasovski
Charlotte Tubbs
Christopher Weems

PUBLISHING SERVICES

Publishing Services Manager
David Soltis

Production

Tracy Becker
Jayne Jackson

ASHRAE OFFICERS

President
Lynn G. Bellenger, P.E.
President-Elect
Ronald E. Jarnagin
Treasurer
Thomas E. Watson, P.E.
Vice Presidents
William P. Bahnfleth, Ph.D., P.E.
Sheila J. Hayter, P.E.
Ross D. Montgomery, P.E.
T. David Underwood, P.Eng.

Secretary & Executive Vice President
Jeff H. Littleton

POLICY GROUP

2010 - 11 Chair
Publications Committee
John A. Clark, P.E.

ASHRAE® INSIGHTS

© 2011 American Society of Heating, Refrigerating and Air-Conditioning Engineers, USPS #000-355 [ISSN-0891-4249].

ASHRAE has compiled this publication with care, but ASHRAE has not investigated and ASHRAE expressly disclaims any duty to investigate any product, service, process, procedure, design or the like which may be described herein. The appearance of any technical data, editorial material or advertisement in this publication does not constitute endorsement, warranty or guarantee by ASHRAE of any product, service, process, procedure, design or the like. ASHRAE does not warrant that the information in this publication is free of errors and ASHRAE does not necessarily agree with any statement or opinion in this publication. The entire risk of the use of any information in this publication is assumed by the user.

POSTMASTER: Send address change to ASHRAE Insights, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. PUBLISHED BIMONTHLY: Copyright 2011 by the American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc., 1791 Tullie Circle NE, Atlanta, Georgia 30329-2305. Periodicals postage paid at Atlanta, Georgia and additional mailing offices.

SUBSCRIPTIONS: Subscriptions for members \$3 per year, included with annual dues, not deductible.



Taylor



Cheng



Lu



Spittler



Nigusse



Sitzmann



Waring



Siegel



Sekiguchi



Waragai



Uekusa



Yamasaki



Gueymard



Thevenard



Kumar



Reihl



Austin



Bean



Olesen

Keisuke Sekiguchi, Dr. Eng., Shisei Waragai, Dr. Eng., Tsuneo Uekusa, Dr. Eng., and Kenji Yamasaki receive an award for "Development of a High-Efficiency Air Cooled Packaged Air Conditioner for Data Centers." Sekiguchi is a research engineer, NTT Facilities Inc., Tokyo, Japan. Waragai is executive manager, Environment and Energy Systems Development Division, Research and Development Headquarters, NTT Facilities Inc., Tokyo. Uekusa is executive manager, NIPPON Telegraph and Telephone West Corp., Osaka, Japan. Yamasaki is a senior engineer, Hitachi Appliances Inc., Shizuoka-shi, Japan.

Christian A. Gueymard, Ph.D., and Didier Thevenard, Ph.D., P.Eng., receive an award for "Updating the ASHRAE Climatic Data for Design and Standards." Gueymard is president, Solar Consulting Services, Colebrook, N.H. Thevenard is principal, Numerical Logics Inc., Waterloo, ON, Canada.

Lincoln Bouillon

The **Lincoln Bouillon Award** recognizes a member who performs the most outstanding work in increasing the membership of the Society during the course of the year. The recipient is **G. Ramesh Kumar**, manager, products division, ETA Engineering, Bangalore, India.

Mills Technical Award

The **Dan Mills Technical Award** recognizes a Chapter Technology Transfer Committee (CTTC) chair who excels in meeting CTTC goals in technical, energy and government activities. The recipient is **Keith H. Reihl, P.E.**, ASHRAE-Certified High Performance Building Design Professional, president, Reihl Engineering LLC, Houston.

Chapter Program Star

Reihl is also receiving the **Chapter Program Star Award**, which recognizes excellence in chapter program endeavors.

William J. Collins Jr. Research Promotion

The **William J. Collins Jr. Research Promotion Award** is given to the chapter research promotion chair that raises the most money for ASHRAE research. The recipient is **George W. (Billy) Austin Jr., P.E.**, principal, Shultz Engineering Group, Charlotte, N.C.

Government Activities

The **Hong Kong Chapter** receives the Society's **Government Activities Award**, which recognizes an ASHRAE chapter for outstanding effort and achievement in state,

provincial and local government activities in connection with technical issues related to the activities of the Society.

Lou Flagg Historical

Robert Bean, R.E.T., P.L. (Eng.), Bjarne W. Olesen, Ph.D., Fellow ASHRAE, and *Kwang Woo Kim* are the recipients of the Society's **Lou Flagg Historical Award**, which recognizes a chapter Gold Ribbon Award winner for compiling information on outstanding historical projects or persons related to HVAC&R. The award is named in recognition of Presidential Member Lou Flagg, who promoted an interest in history at the chapter and Society levels. Bean is a building and IEQ consultant, Healthy Heating, Calgary, Alberta, Canada. Olesen is a professor, Department of Civil Engineering, and director of the International Center for Indoor Environment, Technical University of Denmark. Kim is a professor, Seoul National University, Seoul, South Korea.

Standards Achievement

The **Standards Achievement Award** recognizes significant and exceptional

service in the area of standards leadership and technical contribution. The recipient is **Mick Schwedler, P.E.**, manager, Applications Engineering, The Trane Co., La Crosse, Wis.

Student Activities

The **ASHRAE Student Activities Achievement Award** recognizes a Chapter Student Activities chair for service related to the goals and growth of student activities at all levels. The recipients are **Clayton A. Lampman, P.E.**, Life Member, president, C.A. Lampman Associates Inc., Arcadia, Calif.; **Harmohindar Singh, Ph.D., P.E.**, Fellow ASHRAE, professor of architectural and mechanical engineering, and director of the Center for Energy Research and Technology, North Carolina A&T State University, Greensboro, N.C.

Milton W. Garland

The **Milton W. Garland Commemorative Refrigeration Award for Project Excellence** award recognizes the designer and owner of a non-comfort cooling refrigeration application that highlights innova-

tion and/or new technologies. The recipient is **John Bittner, P.E.**, research engineer, Research and Development, Hill Phoenix Inc., Conyers, Ga.

Ralph G. Nevins

Jan Kaczmarczyk, assistant professor and vice chair of the Department of Heating, Ventilation and Dust Removal Team, Silesian University of Technology, Gliwice, Poland, is the recipient of the **Ralph G. Nevins Physiology and Human Environment Award**, which is given to a researcher under the age of 40 for significant accomplishments in the study of bioenvironmental engineering and its effect on human comfort and health.

Homer Addams Award

Sebastian Herrmann is the recipient of the **Homer Addams Award**, which honors a graduate student who has been engaged in an ASHRAE research project. The Homer Addams Award is intended to encourage graduate student research. Herrmann is a doctoral student at the University of Rostock, Germany.

Second Design Essentials Workshop Set

ASHRAE Learning Institute is presenting a series of intensive, three-day workshops focusing on both the fundamental and technical aspects of HVAC design in commercial buildings, providing practical strategies for HVAC designers and others involved in delivery of HVAC services.

Developed by industry-leading professionals, the ASHRAE workshops provide the fundamental and technical aspects of HVAC design in commercial buildings.

The first workshop was held in May. The second workshop is scheduled for mid-August at ASHRAE headquarters.

INFORMATION ON THE NEXT WORKSHOP:

Date: August 15–17
Location: ASHRAE Headquarters, Atlanta Foundation Learning Center
Price: By July 15: \$939 for ASHRAE Members
 After July 15: \$989 for ASHRAE Members
To Register: www.ashrae.org/hvacdesign



Attendees packed the ASHRAE Foundation Learning Center at the headquarters building in Atlanta for the first Design Essentials Workshop in May.

Obituaries

ASHRAE predecessor societies: ASHVE, the American Society of Heating and Ventilating Engineers; ASRE, The American Society of Refrigerating Engineers; ASHAE, the American Society of Heating and Air-Conditioning Engineers.

William H. Hathaway Jr.

80; Life Member; 1209 Orkney Drive, Virginia Beach, Va., 23464; joined ASHRAE in 1968.

George M. Hardisty

67; Life Member; 311 Arsenal St., Suite 2, Watertown, Mass., 02472; joined ASHRAE in 1967. Hardisty was past president of the Boston Chapter, and also held many other positions including website editor and historian. He received a Chapter Service Award in 2005, several Region Technology Awards, Gordon Root History Awards and Gold Ribbon History Awards and was named Boston Chapter Member of the Year for 1999-2000. Hardisty was active

in many Region 1 and ASHRAE activities and was recently inducted into the Boston Chapter Hall of Fame.

William J. Jason

86; Life Member; 93 Colegrove St., Memphis, Tenn., 38120; joined in 1953. Jason's service includes Region VII Refrigeration Committee chair and Historian and several offices in the Memphis Chapter, including president in 1979-80. Jason received a Chapter Service Award in 2010 and a Regional Award of Merit in 2008. He received three first-place Region VII Technology Awards.

Ralph L. Webb

77; Fellow Life Member; 1632 Bristol Ave., Apartment 301, State College, Pa., 16801; joined ASHRAE in 1977. Webb served on several ASHRAE technical committees, including TC 8.5, Liquid to Refrigerant Heat Exchangers, and 9.9, Mission Critical Facilities, Technology Spaces and Electronic Equipment.

Certifications

Building Energy Modeling Professional (BEMP)

Individuals who earn ASHRAE's BEMP certification have demonstrated an ability to evaluate, choose, use, calibrate, and interpret the results of energy modeling software when applied to building and systems energy performance and economics and shows their competence to model new and existing buildings and systems with their full range of physics. The following recently obtained BEMP certification:

George Austin, Southern Piedmont

Ben Bothma, Birmingham

Adam Boyd, Oregon

Joseph Davey, Boston

Rebecca Dean, Jacksonville

Patrick Dempsey

James Dirkes II, Western Michigan

Robert Feduik, Central New York

Matthew Gumm, Iowa

Dean Hiebert, Mississippi Valley

Russ Litsinger, Nashville

Mohit Mehta, Rocky Mountain

Sergio Sadaba, New York

Daniel Shratler, Atlanta

Stephen Smith, Southern Piedmont

Brian Tysoe, Toronto

Joseph Watson, Triangle

Scott West, Forth Worth

Commissioning Process Management Professional (CPMP)

ASHRAE's CPMP certification helps building owners and managers identify individuals who can design, install, test and maintain building systems and equipment to meet operational needs. The following recently obtained CPMP certification:

Leigh Arsenault, Northern Alberta

Tyler Glesne, Nebraska

Tom Grassi, St. Louis

John Henderson, Alamo

Chad House, Colombia

Owen McCaughey, Orange Empire

Timothy Mose, Houston

Brandon Musich, Orange Empire

Frank Painter, Alamo

Scott Peck, Rocky Mountain

Travis Short, Kansas City

Michelle Stezelberger, Baltimore

Kenneth Vogel, San Jose

Healthcare Facility Design Professional (HFDP)

Individuals who earn ASHRAE's HFDP certification have demonstrated mastery of a body of knowledge that covers medical terminology and facility operations as they affect HVAC&R design of healthcare facilities. The following recently obtained HFDP certification:

Boji Ma, Pittsburgh

Jared Swartz, Big Sky

Operations & Performance Management Professional (OPMP)

Individuals who earn the OPMP certification have demonstrated a well-rounded understanding and knowledge of the management of facility operations and maintenance and their impact on HVAC&R systems' performance. The following recently obtained OPMP certification:

Albert Cherry

To see the complete list of certified professionals, visit www.ashrae.org/certification.

11,000 Watch CTTC Webcast

ASHRAE's April 21 webcast, *Ground Source Heat Pump Systems—Putting the Earth to Work for You*, was watched by an estimated 11,000 viewers. Seventy-six ASHRAE chapters were among the 800 sites around the world that hosted the webcast. Viewers in 80 countries accessed the three-hour program via the Internet and 1,238 participants viewed the temporarily archived replay of the program.

The webcast was sponsored by support from Taco, Mammoth, ClimateMaster, the International Ground Source Heat Pump Association and the ASHRAE Foundation. The presenters were Jeffrey D. Spittler, Ph.D., P.E., professor in the School of

Mechanical and Aerospace Engineering, Oklahoma State University, Stillwater, Okla.; Kirk T. Mescher, P.E., principal, CM Engineering, Inc., Columbia, Mo.; and Mick Schwedler, P.E., manager, Applications Engineering, Trane, LaCrosse, Wis.

The GSHP webcast DVD is available for purchase via the ASHRAE Bookstore at www.ashrae.org/education/page/557.

"Dedicated Outdoor Air Systems (DOAS)" has been selected by CTTC as the subject of the April 2012 webcast. Check *ASHRAE Insights*, *eSociety* and www.ashrae.org for more information in the coming months regarding the date, program and registration for next year's webcast.

Supporters Join Platinum Circle

ASHRAE now has five investors in its newly created Platinum Circle, created to recognize those who contribute at least \$20,000 to the Society's research program.

Daikin Industries, Ltd. Group and Daikin subsidiary McQuay International are pleased to participate in the ASHRAE Platinum Circle Investment Program for 2011. Daikin and McQuay are making this investment on behalf of all of the Daikin subsidiaries operating in North America, including Daikin AC (Americas), McQuay, AAF, J&E Hall and Daikin America.

This contribution for ASHRAE's research activities demonstrates Daikin's

commitment to supporting and advancing the activities of ASHRAE that benefit society in general, as well as the air conditioning industry and its customers. This year's participation in the ASHRAE Platinum Circle also marks 20 continuous years of funding support by McQuay for ASHRAE's research activities.

Four initial investors were recognized at ASHRAE's 2011 Winter Conference: Trane, AHRI, Rheem and Carrier.

The Platinum Circle builds on ASHRAE's long-time Golden Circle, which recognizes investors who donate at least \$10,000 a year to research.

SI Version of Standard 90.1 Available

The SI version of Standard 90.1-2010 is now available from ASHRAE.

More than 30% energy savings can be achieved using the 2010 version of Standard 90.1 vs. the 2004 standard.

ANSI/ASHRAE/IES Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, which provides minimum requirements for the energy-efficient design of buildings except low-rise residential buildings, was published in November 2010.

On a nationally aggregated level, building type energy savings ranged from 8.8% to 38.3% and energy cost savings from 7.9% to 33.6%. These figures include energy use and cost from plug loads.

Extensive analysis work was performed by a team from Pacific Northwest National Laboratories. Sixteen different building prototypes were modeled in 17 different climate zones for a total of 272 building types and climate zone combinations.

In approving the SI version of Standard 90.1-2010 for publication, the standards project committee noted the passing of one of its committee members, Jeff Park, with the following memoriam:

Every day each of us makes decisions regarding our attitude and treatment of those around us. During times of stress we revert to our daily "style," but our actions are amplified. As Jeff Park and his family dealt with his terminal diagnosis, Jeff reacted as he did every day—with courage, respect, gentleness, optimism, and caring for others; but also with an even greater commitment to the betterment of society

Standard 135, From Page 1

expensive; a new XML vocabulary is provided for complex standard and proprietary data and metadata; a new character encoding method is provided for greater flexibility and compatibility with international text; and new state-of-the-art network security is defined to allow the creation of highly secure communications channels for sensitive data.

It also adds:

- higher speeds for MS/TP networks and guidance for optically isolated segments;
- new requirements for workstations and the definition of new kinds of workstations;
- new engineering units to support smart grid and other emerging applications.

CBECS, From Page 1

promote energy efficient practices, including ASHRAE's Building Energy Quotient (Building eQ) program," said Lynn G. Bellenger, P.E., ASHRAE President. "Additionally, many of ASHRAE's committees depend upon CBECS to help develop some of the standards in use by the federal gov-

and those around him, as well as to the fight of life—punctuated with his tenacious smile, bright eyes, and a firm, "Game on!" The spirit of Jeff's attitude lives on in those he touched on the 90.1 committee, and our heartfelt thoughts and prayers go to Heather, Griffen, Baden, and Owen with the knowledge that he will remain in your hearts, memories, and lives also.

The cost of 90.1-2010 is \$106 for members. To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide) or visit www.ashrae.org/bookstore.

Standards Actions

All standards activities are announced and published on www.ashrae.org.

Information about call for members, call for comments, errata, publications, new projects, addenda availability and interpretations can be found at www.ashrae.org/publicreviews.

Public Comment, May 13–June 12

Advisory public review of Standard 90.2-2007, *Energy Efficient Design of Low-Rise Residential Buildings*.

Public Comment, May 13-June 27

Standard 147-2002R, *Reducing the Release of Halogenated Refrigerants from Air-Conditioning Equipment and Systems*.

- a new Global Group object for gathering, monitoring and distributing sets of data
- six new objects to support physical access control
- 12 new objects to support the full complement of all data types, including strings

The cost of ANSI/ASHRAE Standard 135-2010, BACnet – A Data Communication Protocol for Building Automation and Control Networks, is \$140 for ASHRAE members).

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

ernment, states, and local jurisdictions."

Currently, the latest version of CBECS data is from 2003. If funding is not provided, work on the 2011 CBECS data will not continue, and the government and industry will be forced to rely on data that is nearly a decade old and in need of revisions and enhancements.