ATLANTA—In a city with deep historical roots, ASHRAE will convene in San Antonio, Texas, to not only “remember the Alamo,” but look toward a greener future. The 2012 ASHRAE Annual Conference focuses on everything from the basics of HVAC maintenance to integrated building design.

As members work together to shape tomorrow’s built environment, the influences of San Antonio’s past—Old Mexico, the Wild West and the Deep South—serve as a reminder of the Society’s significant role in the city’s hot and dusty past, as well as the Society’s position as part of a future of sustainability.

Join ASHRAE in this historic city; registration is now open for ASHRAE’s 2012 Annual Conference, June 23-27.


“Interoperability of Smart Building Systems and Smart Grid” is the topic of the Technical Plenary, presented by Lawrence Jones, Ph.D., Alstom Grid Inc., Washington, D.C., on Sunday, June 24.

Also, an Integrated Building Controls “mini-conference” addresses the extension of building controls from just mechanical systems to lighting, water consumption, security and other building systems, working toward the goal of “intelligent buildings.” Sessions related to this topic are scheduled on Sunday and Monday.

The technical program begins Sunday, June 24, and ends Wednesday, June 27, with all sessions at the Henry B. Gonzalez Convention Center. Complete program details are available at www.ashrae.org/sanantonio. The entire technical program is approved for PDHs, and the majority of sessions are also approved for NY PDHs, AIA LUs and LEED AP credits. The ASHRAE Learning Institute offers eight instructor-led training opportunities. Participants may choose from two full-day and six half-day courses to stay current on HVAC trends, including a new offering on understanding ASHRAE Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings.

The Conference keynote speaker is Ryan Dorsey, the Gen Y Guy®. Dorsey will focus on “Crossing the Generational Divide,” explaining how four generations are currently working side-by-side in the workplace and the strengths, weaknesses and different perspectives of each. The Plenary session takes place Saturday, June 23 at Grand Hyatt San Antonio. ASHRAE technical tours offer an inside view of how technology developed by members is practically applied in building environments. Tours at the Annual Conference include the SAWS Chiller Plant and the Blue Wing Solar Farm.

The ASHRAE Annual Conference takes place June 23-27. Register before April 20 for early bird rates. The Grand Hyatt San Antonio will serve as the headquarters hotel. Visit www.ashrae.org/sanantonio for more information.

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow’s built environment today.
Spring is finally here! Well, the weather isn’t necessarily showing it is spring yet. But we will soon be able to dust off the clubs and hit the driving range and the fairways. Speaking of hitting the fairway, our chapter puts on the annual Golf Tournament in which proceeds go for ASHRAE Research Promotion. There will be drawings and activities for prizes for you to add to your golf bag. For information to be a bronze, silver or gold contributor look for the flyer or contact Colin Bates at cmbates@meierinc.com.

As for our monthly program, Kevin Caskey will be at the M Hotel and Conference Center (formerly Clarion Inn) on April 10th at noon. Mr. Caskey will be discussing Specifying VFDs. Hope you are able to attend this program.

Have a fun and relaxing Spring Break!
**This Month’s Event—**

**Speaker:** Kevin Caskey  
**Title:** Specifying VFD's

**Outline:**

Using a VFD Schedule  
VFDs for 115V/single phase motors?  
How to size a VFD?  
Enclosures: NEMA 1, NEMA 12, NEMA 3R or…?  
Bypasses: Do you need them? A simple test; what are the options?  
Redundant VFDs? What are they, why and when to consider them?  
Harmonics: Harmonics Analysis and IEEE-519  
Reactors & filters: What are they? Do you need them? If so, when?  
BMS Interface and Serial Communications issues: BACnet, LON, Others  
Extended Warranties, start-up, training, spare fuses/parts/VFDs  
Who should provide VFDs (Electrical, Mechanical, Controls, Others)? Why?

**WHEN:** Tuesday April 10, 2012  
**TIME:** 12 Noon  
**Cost:** $20.00  
**WHERE:** M Hotel and Conference Center (Previously the Clarion Inn)  
1515 George Washington Way  
Richland, WA 99352  
**RSVP** Information to Weimin Wang: weimin.wang@pnnl.gov  
## Mid-Columbia ASHRAE Chapter

**2009-2010 Officers/ BOG**

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<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
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<tbody>
<tr>
<td>President</td>
<td>James Clifford</td>
<td>(509) 308-0924</td>
<td><a href="mailto:jimclifford15@msn.com">jimclifford15@msn.com</a></td>
</tr>
<tr>
<td>President-Elect</td>
<td>Weimin Wang</td>
<td>(509) 372-6787</td>
<td><a href="mailto:weimin.wang@pnl.gov">weimin.wang@pnl.gov</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Jian Zhang</td>
<td>(509) 371-6608</td>
<td><a href="mailto:j.zhang@pnl.gov">j.zhang@pnl.gov</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Heejin Cho</td>
<td>(509) 372-3956</td>
<td>Hje;<a href="mailto:jin.cho@pnl.gov">jin.cho@pnl.gov</a></td>
</tr>
<tr>
<td>BOG Member at Large</td>
<td>Colin Bates</td>
<td>(509) 735-1589</td>
<td><a href="mailto:cmbates@meierinc.com">cmbates@meierinc.com</a></td>
</tr>
<tr>
<td>BOG Member at Large</td>
<td>Jay Ashbaugh</td>
<td>(509) 735-1589</td>
<td><a href="mailto:jashbaugh@meierinc.com">jashbaugh@meierinc.com</a></td>
</tr>
<tr>
<td>BOG Member at Large</td>
<td>Mark Simon</td>
<td>(509) 377-8713</td>
<td><a href="mailto:msimon@energy-northwest.com">msimon@energy-northwest.com</a></td>
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### Committee Chairs

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<th>Committee</th>
<th>Chair</th>
<th>Phone</th>
<th>Email</th>
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<tbody>
<tr>
<td>Membership</td>
<td>Mark Simon</td>
<td>(509) 377-8713</td>
<td><a href="mailto:msimon@energy-northwest.com">msimon@energy-northwest.com</a></td>
</tr>
<tr>
<td>Research Promotion</td>
<td>Colin Bates</td>
<td>(509) 735-1589</td>
<td><a href="mailto:cmbates@meierinc.com">cmbates@meierinc.com</a></td>
</tr>
<tr>
<td>CTTC</td>
<td>Weimin Wang</td>
<td>(509) 372-6787</td>
<td><a href="mailto:weimin.wang@pnl.gov">weimin.wang@pnl.gov</a></td>
</tr>
<tr>
<td>Honors &amp; Awards</td>
<td>Jay Ashbaugh</td>
<td>(509) 735-1589</td>
<td><a href="mailto:jashbaugh@meierinc.com">jashbaugh@meierinc.com</a></td>
</tr>
<tr>
<td>Newsletter</td>
<td>Colin Bates</td>
<td>(509) 735-1589</td>
<td><a href="mailto:cmbates@meierinc.com">cmbates@meierinc.com</a></td>
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<tr>
<td>Historian</td>
<td>By Committee</td>
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<tr>
<td>Web Page</td>
<td>Heejin Cho</td>
<td>(509) 372-3956</td>
<td><a href="mailto:heejin.cho@pnl.gov">heejin.cho@pnl.gov</a></td>
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The Mid-Columbia Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in 1981 in Richland, Washington. We are part of ASHRAE Region XI and represent ASHRAE members in Eastern Washington State.

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### Help Sponsor our Website with a Business Card Ad

How would you like to place your business card in front of more than seventy eastern Washington ASHRAE members? For a low $10 an issue, we can place your business card with company logo in a prominent location in our newsletter.

**Interested??? Contact**

Weimin Wang at (509) 372-6787

weimin.wang@pnl.gov

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### Important Notice About Future Meeting Dates

Washington Society of Professional Engineers:
Standards of Professionalism in Engineering Practice.
Friday May 4th

Here is the link for more information:

8th Annual Mid-Columbia ASHRAE Golf Tournament
Columbia Point Golf Course
Thursday, June 14, 2012—12:00 pm Tee Time
Proceeds from the tournament go to ASHRAE Research Promotion

SCRAMBLER FORMAT
Four Person Teams
Prizes will be Awarded
Carts will be Provided
Driving Range Free Before Golf

Sponsorship Levels:
Bronze: Tee Sponsor Only, ASHRAE Honor Roll - $150
Silver: Team of 4 - $300
Gold: Team of 4, Tee Sponsorship, ASHRAE Honor Roll Investor, Name in Chapter Newsletter - $400
Platinum: Team of 4, Tee Sponsorship, ASHRAE Major Donor Status (receives plaque from ASHRAE), 20 Raffle Tickets, Free Mulligan per player, Name in Chapter Newsletter - $500

ASHRAE research advances the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public. Your support benefits your quality of life.

Sponsorship Level (Bronze, Silver, Gold, Platinum) $150/300/400/500 $________
Individual Entry (One Golfer, 1/2 cart) - $80 $________
Additional ASHRAE Research Contributions $________
Total $________

Raffle Prizes
Send Entry with Check Payable to Mid-Columbia ASHRAE to: Colin Bates c/o Miler Architecture • Engineering 8577 Gage Blvd. Kennewick, WA 99336.
A Response by June 1 would be appreciated.
Please list the names of the golfers on your team as well as their golf handicap below.

Cookout following Golf

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<thead>
<tr>
<th>Name of Golfer</th>
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