



Red Lion Hotel

Richland Hanford House

802 George Washington Way
Richland, WA 99352



Ask for conference
group rate

www.redlion.com

509.946.7611



MAY 8 - 10

Region XI

Chapters Regional Conference



Directions

From I-182W:

Take the George Washington Way Exit (5B) into Richland
continue for 2 miles. The hotel is on the right hand side

From Tri-Cities Airport (PSC) :

Heading south on 20th Avenue from the airport
Take the ramp to I-182 West. Follow instructions from I-182W

From Portland/395N/I-82W:

Travel north to the junction with I-182
Take the ramp to I-182W. Follow instructions from I-182W

From Spokane/395S:

Travel south to the junction with I-182
Take the ramp to I-182W. Follow instructions from I-182W

From Seattle/I-90E/I-82E:

Follow I-90E, then exit 110 to merge on I-82E
Then exit 102 to merge on I-182E
Take the George Washington Way Exit (5B) into Richland
continue for 2 miles. The hotel is on the right hand side

Red Lion Hotel

Hanford House

Richland, WA



CRC Chair

Dr. Sriram Somasundaram
sriram.somasundaram@pnnl.gov

Mid-Columbia Chapter
www.midcolumbia.ashraechapters.org

Other Activities

May 8, Thursday

GOLF at Columbia Point

Located only minutes from the hotel.
Par 72- 6400 yards.

Let golf chair know if you need
rental clubs.

Golf chair [Jay Ashbaugh]:
jaashbaugh@energy-northwest.com

May 9, Friday

Wine Tour & Lunch

Visit two of the area's finest
wineries with wine tasting and
wine paired luncheon.



Conference Schedule

**May 8, 2014
Thursday**

Registration
Technical Seminars
Lunch
Technical Seminars
YEA Mixer
Welcome Party

**May 9, 2014
Friday**

Registration
Breakfast
Business Session #1
President's Luncheon
Training Sessions
Banquet and Awards

**May 10, 2014
Saturday**

Breakfast
Business Session #2
Lunch
Debrief Session
Optional Windup Dinner

**Other
Activities
(afternoon)**

Thursday: **Golf**

Friday: **Wine Tour & Lunch**

Technical Seminars

All participants who complete the Technical Seminar(s) earn Continuing Education Units (CEUs)

1

May 8, Thur. 8:30 am - 10:00 am

What You Need to Know about the Energy Standard for Buildings

-- ASHRAE/IES Standard 90.1-2013

Bing Liu, Rahul Athalye, Eric Richman, Mike Rosenberg
Pacific Northwest National Laboratory

This session will highlight the major changes that have been made to the latest version of ASHRAE Standard 90.1. This session is for anyone who wants advanced insight into the new standard's expected impacts on the industry.

3

May 8, Thur. 1:00 pm - 2:30 pm

Overview of Commercial Building Re-Tuning

Srinivas Katipamula, Ronald Underhill
Pacific Northwest National Laboratory

Many commercial buildings are operated inefficiently wasting as much as 30% of the energy. Periodic re-tuning of building controls and HVAC systems is likely to enhance building operations and improve building efficiency. This presentation will provide an overview of two training methods, available re-tuning resources and lessons learned.

2

May 8, Thur. 10:15 am - 11:45 am

Healthcare Engineering...Avoiding a Nightmare...Making a Difference

Traci Hanegan
Coffman Engineers, Inc.

Join Traci as she shares some lessons from the school of hard knocks. Get the skinny on new research and upcoming code revisions that will make us change our designs and enjoy a few stories of the joys she has found along the way.

4

May 8, Thur. 2:45 pm - 4:15 pm

Ammonia Refrigeration for Fruit Storage

Kem Russell
Doubt-Kold

Key factors in determining the refrigeration load will be discussed, along with the types of refrigeration that have been and are used for fruit storage. Particularly the focus will be on the "flooded" style of system and its advantages.



Registration

Rates

General Registration **\$330**

Student Registration
ASHRAE member **\$100**
non-ASHRAE member **\$120**

Technical Seminars
Morning **\$60**
Lunch **\$25**
Afternoon **\$60**
Full day with lunch **\$140**

Late Registration (after 4/1/14) **\$370**

Other Activities
Golf - per round **\$60**
(includes half cart)
Companion Package **\$150**
(includes Thursday lunch, welcome party, Friday Awards dinner, Wine tour & lunch)

You can register

 **online:**

<http://www.midcolumbia.ashraechapters.org/>



by mailing your check:

P.O. Box 3055
1011 Wright Avenue
Richland, WA, 99352

 **onsite**

