

ASHRAE Cedar Valley Chapter

CHAPTER REGIONAL CONFERENCE



ASHRAE REGION VI

MAY 1-3, 2014

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&
HOTEL VETRO

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2014 Chapter Regional Conference

Hosted By The:

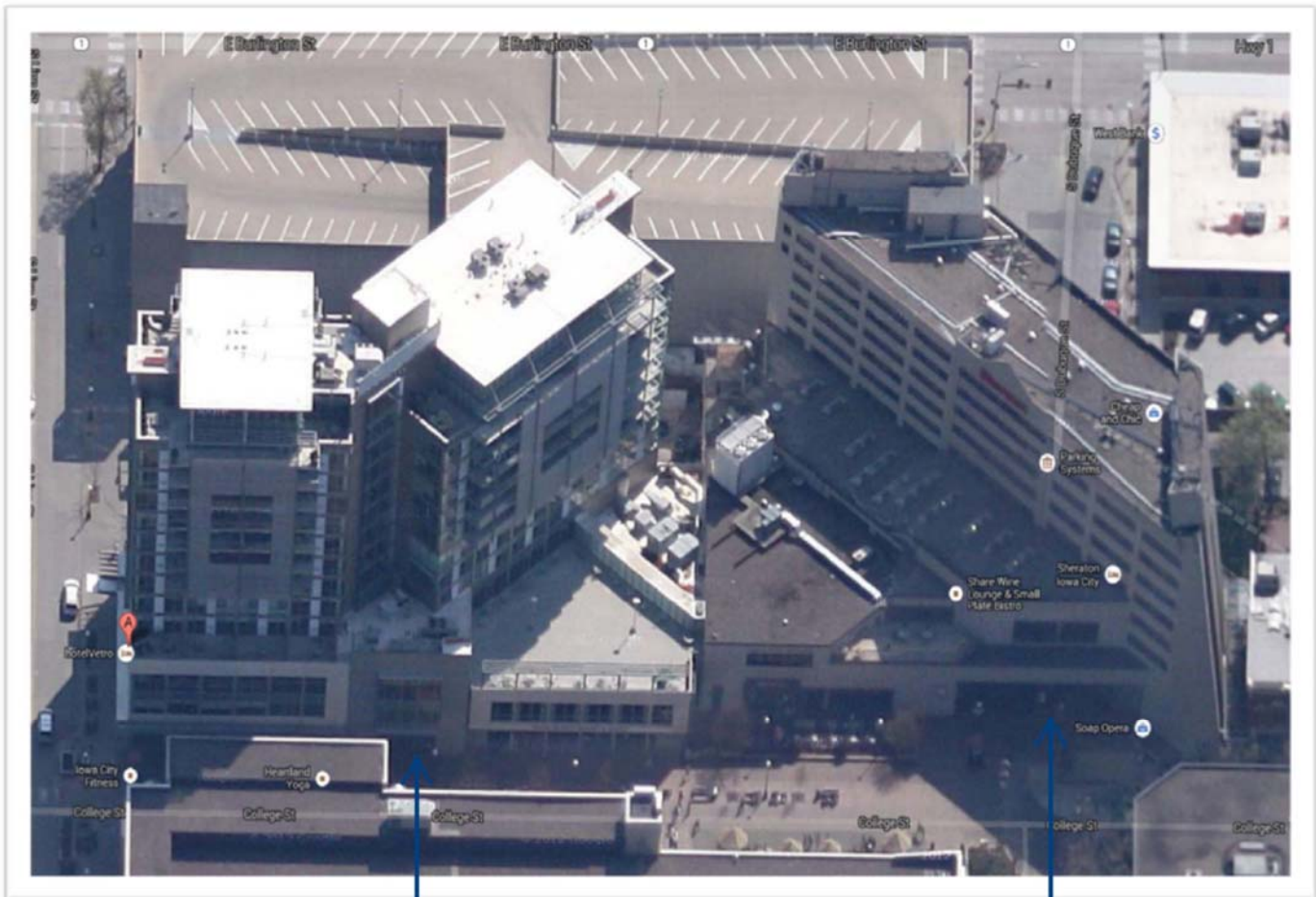
Cedar Valley ASHRAE Chapter

Host Hotel—Accommodations

Sheraton Iowa City
210 S Dubuque St, Iowa City, IA
www.sheratoniowacity.com

Host Hotel — Meetings & Classes

Hotel Vetro
2nd Floor
201 S Linn St, Iowa City, IA
www.hotelvetro.com



Entrance To Hotel Vetro

Entrance To Sheraton Hotel

2014 CRC Schedule

Thursday, May 1st

1:00PM—5:00PM—Business Meeting

(Hotel Vetro Conference Room)

1:00PM—6:00PM—Registration Table Open

(Hotel Vetro Conference Center)

5:30PM—Bus #1 Leaves for Cedar Ridge Winery

5:45PM—Bus #2 Leaves for Cedar Ridge Winery

6:00PM—Bus #3 Leaves for Cedar Ridge Winery

(Sheraton Hotel Lobby)

6:00PM—7:00PM—Cocktails Hour At Cedar Ridge Winery

(Cedar Ridge Winery, Swisher, IA)

7:00PM—10:00PM—Welcome Party At Cedar Ridge Winery

9:30PM—Bus #1 Departs for Sheraton

9:45PM—Bus #2 Departs for Sheraton

10:00PM—Bus #3 Departs for Sheraton

10:00PM—Close—Hospitality Suite Open

(Sheraton Hotel)

10:00PM—Open time at Iowa City Ped Mall

(Outside Both Hotels)

2014 CRC Schedule

Friday, May 2nd

7:00AM—12:00PM—Registration Table Open

(Hotel Vetro Conference Center)

8:00AM—11:30AM—Business Meetings

(Hotel Vetro Conference Room)

8:00AM—9:30AM—Technical Sessions, Class #1

10:00—11:30AM—Technical Sessions, Class #2

(Hotel Vetro Conference Center)

12:00PM—1:00PM—Presidential Luncheon

(Hotel Vetro Conference Room)

1:30PM—3:00PM—Technical Session, Class #3

5:00PM—6:00PM—Cocktail Hour

(Hotel Vetro Conference Center)

6:00PM—9:00PM—Awards Dinner Banquet

(Hotel Vetro Conference Room)

9:00PM—Close—Hospitality Suite Open

(Sheraton Hotel)

9:00PM—Close —Open time at Iowa City Ped Mall

(Outside Both Hotels)

2014 CRC Schedule

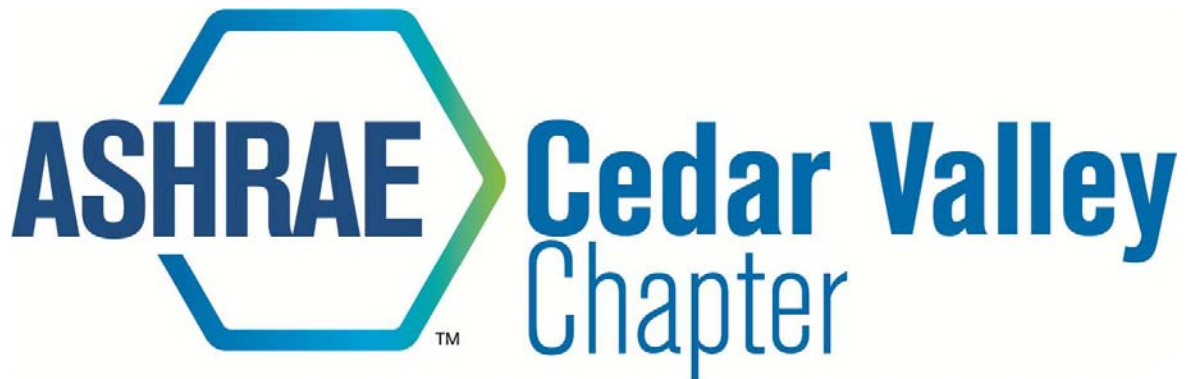
Saturday, May 3rd

8:00AM—11:30AM—Chapter Workshops

(Hotel Vetro Conference Rooms)

12:00PM—2:00PM—Board and Officer Luncheon

(Hotel Vetro Conference Center)



Track #1 Fundamentals

CLASS 1: Proper Sizing of Hydronic Systems

8:00AM - 9:30AM

This class will focus on the selection and sizing of hydronic systems, including heat loads, pumps, and pipe sizing.

CLASS 2: Basic Piping Layout

10:00AM - 11:30AM

This class will highlight different piping systems and their applications. Included will be information on one pipe, two pipe, and primary-secondary piping systems.

CLASS 3: Introduction to Psychrometrics and Airside Performance

1:30PM - 3:00PM

The topics that will be covered will include coil selections, performance basics, and application and use of the psychrometric charts.

Speaker: Jack Kang is an instructor with The Little Red Schoolhouse, and is a member of ASHRAE, Hydraulic Institute, and ASPE. He has a BSME from the University of Illinois at Chicago.

Track #2 Controls & Automation

CLASS 1: Fundamentals of Open HVAC DDC

8:00AM - 9:30AM

The first class will be a basic overview, reviewing the presenter's 6 Steps of HVAC DDC Design. Also covered, will DDC Controllers, sensors, and devices. Frank will also discuss wireless controls, LEED, and BACnet.

CLASS 2: DDC, Web Services, and Generic Platforms

10:00AM - 11:30AM

Expanding on the first class, this session will move through topics including open protocols and generic platforms. Frank will cover web services and cloud computing, as well as the use of smart grids and energy dashboards.

CLASS 3: Controls 3

1:30AM - 3:00AM

The final class will wrap up with advanced topics that include integration of various systems, sequences, and practical case studies. Frank will also cover using the controls system as a tool for building commissioning.

These classes will follow the outline of Frank Shadpour's book *The Fundamentals of Direct Digital Control*. As part of this class, the is book available for purchase through this website: www.hvacddc.com.

Speaker: Frank Shadpour is an ASHRAE Fellow and the Program Chair of the ASHRAE Technical Committee TC1.4 – Control Theory and Application. He is the president of SC Engineers and the instructor of the HVAC Systems Design and Control courses at the University of California, San Diego.

Track #3 Construction Law

CLASS 1: Basic Contract Principles and Essential Contract Terms

8:00AM - 9:30AM

This session will cover topics pertaining to basic and essential terms of which you should be aware with your projects..

Speaker: Jennifer L. Smith is an Associate with the firm of Whitfield & Eddy, P.L.C. Jennifer's practice includes construction law and litigation. She is a member of the American, Iowa State, and Polk County Bar Associations; Master Builders of Iowa; Associated General Contractors of Iowa; Mechanical Contractors Association of Iowa; Iowa Concrete Paving Association; Iowa Ready Mixed Concrete Association; Asphalt Paving Association of Iowa; and Defense Research Institute. J.D. degree, with honors, Drake University Law School; B.A., magna cum laude, University of Northern Iowa.

CLASS 2: Key Provisions in Subcontracts and Dispute Resolution

10:00AM - 11:30AM

This session will cover topics pertaining to subcontracts of which you should be aware with your projects and available options to resolve project disputes.

Speaker: Jason T. Farley is an associate with the firm of Whitfield & Eddy, P.L.C. and his practice focuses on construction law and litigation. Jason is a member of the American, Iowa State, and Polk County Bar Associations; Master Builders of Iowa; Associated General Contractors of Iowa; Defense Research Institute; Iowa Defense Counsel Association. He is the presenter and author of The Economic Loss Doctrine, Iowa Defense Counsel Association 47th Annual Meeting & Seminar (2011). He also authored Out of the Woodwork: Dealing with an Increase in Latent Defect Claims Against Performance Bond Sureties, American Bar Association Forum on Construction, (January 2013) J.D. degree, Washburn University School of Law; B.S. degree in Business Administration, University of Kansas.

CLASS 3: Public Construction & Mechanic's Liens and Recent Statutes of Interest

1:30PM - 3:00PM

This session will cover construction liens and construction related statutes of interest.

Speaker: Stephen D. Marso is a member with the firm of Whitfield & Eddy, P.L.C. and focuses on construction law and construction litigation. He has been an Arbitrator for the American Arbitration Association since 2009. Steve is a member of the Polk County, Iowa State and Nebraska State Bar Association's; Master Builders of Iowa; Associated General Contractors of Iowa; Mechanical Contractors Association of Iowa; Iowa Concrete Paving Association; Iowa Ready Mixed Concrete Association; Asphalt Paving Association of Iowa; and Home Builders Association of Greater Des Moines and Iowa. He is also the author of Public Construction Liens in Iowa; A History and Analysis of Iowa Code Chapter 573, 60 Drake Law Review 101 (Fall 2011). J.D. degree, with high distinction, The University of Iowa College of Law; B.A. degree in Spanish, magna cum laude, Hope College.

Distinguished Guests

David Underwood

Current position:

Since David's retirement from active participation in the workforce, his passion has been service to ASHRAE. His former employment was as President of Isotherm Engineering Ltd. a company which he founded in 1975. The activities of this firm included design/build contracting (primarily in the refrigeration area), service contracting, and engineering consulting work.

Education:

University of Manitoba, Winnipeg, Manitoba, BsC (Civil Engineering)

ASHRAE Highlights:

David currently serves on CEC and is an ASHRAE DL. His past service includes all chairs of a large chapter, working at the regional level (although no official regional position). At Society level, David has served as chair of TC 1.7(7.3) Operation and Maintenance Management where he coauthored the charter for the committee. David served on TC 1.8(7.8) Owning and Operation Cost where he coauthored their ASHRAE Handbook. David also has been active in many standing committees as well as serving on the Board of Directors as a DAL and a Vice President.

Other Organizations:

Member of the Board of Directors of ORAC (Ontario Refrigeration and Air Conditioning Contractors Association) in this position he served in all of the Executive positions. David is a member of the B52 Mechanical Refrigeration code, developed by CSA (Canadian Standards Association for use in Canada. He currently is serving on the 2015 MNBC (Model National Building Code Committee).

Vital Statistics

Born in Regina, Saskatchewan in 1941, David was raised in numerous locations in Saskatchewan and Manitoba. He worked for a major equipment manufacturer for nine years prior to transitioning into the contracting side of the industry in 1973.

David is married to Jane and they have two daughters who have blessed them with five wonderful grandchildren. Jane has an MBA and currently owns and operates a Public Health consulting firm. Daughter number 1 has a Master's Degree in Public Policy and works in the Privy Council office of the Canadian government. Daughter number 2 has a PHD in Early Childhood Education and is a professor at Ryerson University in Toronto.

Hobbies

David currently is bereft of hobbies, however, in his younger days; was an avid skier, long distance swimmer and sometimes plays tennis.

Distinguished Guests

Darryl K. Boyce

Current Position:

Darryl is the Assistant Vice-President (Facilities Management and Planning) at Carleton University, Ottawa, Ontario, Canada. He has worked in the higher education facilities area for more than 38 years, serving at two other universities; the University of Alberta and the University of Western Ontario.

Education:

Darryl attended the British Columbia Institute of Technology, Vancouver, British Columbia receiving a diploma in Mechanical Engineering Technology and The University of Alberta, Edmonton, Alberta; B. Sc. Eng. (Mechanical Engineering).

ASHRAE Highlights:

Darryl is currently a nominee for an ASHRAE Vice-President. He joined ASHRAE as a student member during the late 1970's and became a member in 1983. He served in Chapter positions in the Northern Alberta and London Canada Chapters. He first served the Society as Regional Vice-Chair Educational Activities and continued on the Educational Activities Committee and served two years as the Chair. He then served as a member of the Education Council then continued on the Training Institute where he served as the Chair. He has served on the Board as Director and Regional Chair, Region II; Director-At-Large; and Vice-President. He has also served on the Planning Committee for a total of ten years, the Nominating Committee for six years and Headquarters Building Renovation Committee.

Other Organizations:

Darryl has also served in APPA, the Higher Education Facilities Officers Association at the Chapter, Regional, and International levels, as a Regional Meeting General Chair, a member of the Information and Research Committee, and a Body of Knowledge content coordinator for Energy, Utilities and Environmental Stewardship.

He has also served in the Canadian Association of University Business Officers as a member and chair of the National Facilities Management Committee.

Vital Statistics:

Born in North Vancouver, British Columbia in 1951, and completed high school in Surrey, British Columbia. He worked as a siding installer and mobile home park manager, before starting his career in the higher education facilities area. He and his wife Francine, have two children; a son, Nicholas who currently lives with his wife and son in Summit, New Jersey; and a daughter, Meghan, who is in early childhood education and lives just down the street and is expecting her first child in June.

Hobbies:

Darryl has always enjoyed renovating his home and that is his only hobby, which means the renovations usually take longer to finish. He also enjoys fly fishing and an annual trip to fish in Idaho.

Distinguished Guests

Joyce Abrams

Current Position:

Director of Member Services

Background:

Joyce has served as ASHRAE's director of member services since 2012. Prior to that, she served as the Society's group manager of education and certification.

In her current role, Joyce supports volunteer leaders in the management of the Society's member recruitment, promotion and retention program, which includes student programs and Young Engineers of ASHRAE programs; the activities of its 170-plus chapters and 14 regions, including the Presidential Award of Excellence program, the Distinguished Lecturer program and an annual topical webcast; customer service; meetings and conferences, including the ASHRAE Annual and Winter Conferences and specialty conferences, as well as the Honors and Awards programs; and ASHRAE's \$2 million annual Research Promotion program.

Joyce began work at ASHRAE in 2006, overseeing development and implementation of certification programs and ASHRAE Learning Institute Courses to help promote ASHRAE as a leader in industry professional development. She also served as staff liaison to the Certification Committee and the Professional Development Committee.

Before joining ASHRAE, Joyce was an assistant vice president in the education and training division of an insurance and financial services association. There, she oversaw the design and development of credentialing programs, courses and course materials and managed the development and/or production of up to 35 college-level textbooks or online courses a year.

Education:

Joyce has a master's of science degree in mass communications from Indiana University, and a juris-doctorate and a bachelor's of arts degree in journalism from the University of Georgia.

Additional Details

Cedar Ridge Winery

On our opening night of the CRC, we will be heading out to a local winery for our Thursday Night Welcome Party.

From The Folks at Cedar Ridge Winery (www.crwine.com)

"Cedar Ridge Vineyards is a family-owned winery, distillery and event space nestled in the beautiful Swisher countryside- a short drive from Cedar Rapids or Iowa City. Award-winning wines and internationally recognized spirits are produced on site at the only winery/distillery in Iowa. Proprietors are Jeff and Laurie Quint. Jeff also serves as Master Distiller and Master Winemaker.

Cedar Ridge Winery produces wines from its own estate-grown grapes. Cedar Ridge Distillery also crafts its award-winning spirits in small batches in its European-engineered 80-gallon pot still. The lush 5,000 vines and 7,000 square foot winery, distillery, tasting room and event center provide the highest quality wines, spirits and entertainment experience in the area.

Cedar Ridge brings you the first licensed distillery in the state of Iowa since the age of prohibition. We create small batch, ultra premium spirits including [Clearheart™ Triple Distilled Fruit & Grain Spirits](#) and [Griff's Cowboy Whiskey](#).

We invite you to relax, reconnect and enjoy all that we have to offer."



Iowa City and Coralville Area

Iowa City and the Coralville area have many things to offer for those in town. Whether you are looking for daytime shopping or nighttime hotspots, we have included information on local attractions and downtown Iowa City in your registration bags.