

Together Engineers Accomplish More

*Using the team approach
to problem solving*



MAY 2 – 4, 2012



Resort/Golf Photos Courtesy of Resort at Squaw Creek

Photo Courtesy of The Village at Squaw Valley

Resort at Squaw Creek • Lake Tahoe, California
400 Squaw Creek Road, Olympic Valley, CA 96146 • 800-403-4434

Wednesday, May 2, 2012

11:00 **Registration and Lunch**

12:00 **Tee Time at Somerset Golf and Country Club**

7:00 – 8:30 **Welcome Reception**



Thursday, May 3, 2012

6:00 – 8:00 **Breakfast in the Six Peaks Grille**

7:30 – 8:30 **Registration and Exhibit Hall Open**

Management Track

8:30 – 9:30 ***“Implementation of HCAHPS”***

A. Nicole Allen, MHSA, Patient Care Experience Leader
Kaiser Foundation Hospital Sacramento

The attendees for this session will learn how patient satisfaction measurement has changed since the implementation of HCAHPS, the monetary impact of value based purchasing, and how to drive performance improvement from your own control sphere.

9:30 – 9:45 **Break**

9:45 – 10:45 ***“Assessment and Capital Planning for Hospitals”***

Donald T. (Sam) Wilson, Jr. Vice President, REFP – Recognized Educational Facility Planner
Jacobs Engineering, Inc.

This session explores how facility condition assessments and long range renewal forecasting support your annual capital plan and provide the prescription for successful funding requests regardless of whether planning for preventive maintenance, space conversions, renovations, or building systems.

10:45 – 12:45 **Exhibitor Show**

12:45 – 1:30 **Lunch and raffles (Must be present to win.)**

1:30 – 2:30 ***“The Decision Making Process in Lean Construction”***

Jason Tabacco, Project Manager, Sutter Health
Thomas Minard, Sr. Project Manager, Sutter Health

The class provides an overview of a current hospital replacement project with an inside look at the Lean construction process. Participants will learn how decisions are made and what tools are used to make them. The class will demonstrate how this process can be applied to facility projects and maintenance in other healthcare buildings.

2:30 – 3:30 ***“Taking a Fully Developed BIM Model Beyond Construction”***

Jason K. Martin, LEED AP BD+C, Sutter Medical Center, Santa Rosa
Eric Osterling, LEED Green Associate, MEP, Unger Construction
James Dagley, LEED AP, Vice President, Johnson Controls, Inc.

The class will provide an overview of the new Sutter Medical Center Santa Rosa team’s approach to using their BIM model in the pre-construction phase, during the construction phase and their plans with model moving into commissioning and building operations. The class will demonstrate how to establish the return on the BIM investment after the construction team completes a project, and look into the future of the integration of BIM and facility building maintenance software and controls.

3:30 – 3:45 **Break**

3:45 – 4:45 ***“Practical Guide to ADA Compliance for Facilities Managers”***

Bill Zellmer AIA, CASp, LEED Green Associate, Senior Project Architect, Stafford King Wiese Architects

This presentation will first provide an Overview of Handicap Accessibility Requirements found in both the Americans with Disabilities Act (ADA) and the California Building Code and discuss the differences between them. Secondly, this presentation will discuss specific ADA application to hospitals as follows:

- A) OSHPD Interpretations of CAN 2-11B
- B) Remodeling Challenges
- C) Lessons Learned
- D) Management Strategies

5:00 – 6:00 **Transport to Squaw Village**

5:45 – 6:30 **Reception**

6:30 – 8:00 **Dinner at High Camp overlooking Lake Tahoe and Squaw Valley**

8:00 – 9:00 **Awards and Raffles (Must be present to win.)**

9:00 **Transport to Resort at Squaw Creek**

6:00 – 8:00 **Breakfast in the Six Peaks Grille**

7:30 – 8:30 **Registration and Exhibit Hall Open**

Technical Track I

8:30 – 9:30 **“Impact of ASHRAE 188P”**

Robert C. Benzin, Business Development Manager, Secondary Disinfection, Garratt Callahan Company

The learning objectives for the presentation are to alert healthcare engineers of the impact of ASHRAE 188P and other standards that deal with prevention of hospital acquired infections, primarily Legionellosis, from waterborne sources. Biology, sources of infections, medical issues, forming and operating an HACCP committee, economic motivators, how to choose a method of control and how to proceed will be covered.

9:30 – 9:45 **Break**

9:45 –10:45 **“Fundamentals of Air Handling Unit Delivery Systems”**

Harold Hougham, P.E. and Robert Thiele, P.E., Principals, R&A Engineering Solutions, Inc.

This session will focus on the prime mover in a ventilating system – the air handling unit (AHU). We will focus on fan and airflow fundamentals, AHU configurations, design considerations, energy efficiency opportunities, and the latest in fan technologies.

10:45– 12:45 **Exhibitor Show**

12:45 – 1:30 **Lunch and raffles (Must be present to win.)**

1:30 – 2:30 **“Risks Related to Hospital Acquired Infections (HAI)”**

Dennis Cohan – President/Owner, PREVENT Life Safety Services and PENCON General Construction

Review the risks related to hospital acquired infections (HAI) and discuss the need, performance and effectiveness of containment units for healthcare construction and construction-related services. Dennis will share his concerns and passion for infection control, stemming from his over 25 years of experience in providing construction and life-safety related services to hospitals and healthcare-related facilities.

2:30 – 3:30 **“Identifying and Improving Air Barrier Effectiveness”**

Susan Ihrig, Healthcare Business Development Manager, Tremco Roofing and Building Maintenance

Convert energy hogs into high performance buildings through new construction, building retrofits, or simply identifying and improving air barrier effectiveness. We will explore case studies with real results.

3:30 – 3:45 **Break**

3:45 – 4:45 **“SCAQMD New Emergency Requirements”**

Devin J Hugie, CHFM CHSP-FSM, Manager Facility and Security Services, Providence Little Company of Mary Medical Center San Pedro

SCAQMD has recently made sweeping changes in its air rules and regulations that are applicable to the healthcare facility operators. In particular, there are new requirements on emergency generators, boilers and refrigeration systems that may need new report submittal and equipment retrofitting to achieve compliance. To help ensure proper planning and avoid monetary penalties, Devin Hugie will review the changes that are relevant to healthcare facilities.

5:00 – 6:00 **Transport to Squaw Village**

5:45 – 6:30 **Reception**

6:30 – 8:00 **Dinner at High Camp overlooking Lake Tahoe and Squaw Valley**

8:00 – 9:00 **Awards and Raffles (Must be present to win.)**

9:00 **Transport to Resort at Squaw Creek**



6:00 – 8:00 **Breakfast in the Six Peaks Grille**

7:30 – 8:30 **Registration and Exhibit Hall Open**

Technical Track II

8:30 – 9:30 **“Electrical Safety In The Workplace”**
Blake Bennett, ASCO Services

Electrical Safety in the Workplace is intended to provide a basic understanding of the issues, standards, best practices and the hazards of working with electricity. The challenge to our industry is to protect personnel, facilities & equipment while maintaining 7x24 availability of mission critical systems.

9:30 – 9:45 **Break**

9:45 – 10:45 **“Automatic Transfer Switches”**
Michael DeAngelis – Emergency Power Specialist, South Coast Electrical, Inc.

Comprehensive theory and methods to ensure the reliable operation of automatic transfer switches in the healthcare system. Critical component recognition and the importance of maintenance.

10:45– 12:45 **Exhibitor Show**

12:45 – 1:30 **Lunch and raffles (Must be present to win.)**

1:30 – 2:30 **“Rules and Regulations for Boilers and Emergency Generators”**
James Harader, Senior Air Quality Engineer, San Joaquin Valley Air Pollution Control District

Recent changes to the San Joaquin Valley Air Pollution Control District (SJVAPCD) state and federal new air rules and regulations for boilers and emergency generators will be reviewed as they pertain to healthcare facilities.

2:30 – 3:30 **“Sustainable Lighting in Health Care Facilities D24”**
Michael Siminovitch, Professor, Director, California Lighting Technology Center (CLTC)
Kelly Cunningham, Outreach Director, Associates Director, Energy Efficiency Center, University of CA, Davis

Presentation will include an overview of ongoing research at CLTC on strategies and technologies for lighting energy savings. The UC Davis 50 percent light savings initiative will also be presented as one of the largest lighting retrofit programs in California.

3:30 – 3:45 **Break**

3:45 – 4:45 **“Best Practices for Low Voltage Infrastructure Planning”**
Eric C. Johnson, P.E., RCDD, President, E-Com Engineering, Inc.

Today’s healthcare facilities require significant investment in communication technologies and systems. These systems become a critical link in the effective operation of the entire organization.

The challenges of many facilities is the integration of new technologies with old “Legacy” systems. Several key planning concepts will be reviewed, along with many useful “Rules of Thumb” for good space planning, utility planning and over-all implementation. We will review the current codes, guidelines and best practices as they relate to these critical systems.

5:00 – 6:00 **Transport to Squaw Village**

5:45 – 6:30 **Reception**

6:30 – 8:00 **Dinner at High Camp overlooking Lake Tahoe and Squaw Valley**

8:00 – 9:00 **Awards and Raffles (Must be present to win.)**

9:00 **Transport to Resort at Squaw Creek**



Friday, May 4, 2012

7:30 – 8:00 **Registration**

General Session

7:30 – 7:45 **CSHE Annual Business Meeting**

7:45 – 8:00 **ASHE Annual Update**

Ken Gomes, MBA, CHFM; Assistant Vice President - Facilities, Emanuel Medical Center

Gaining knowledge of current ASHE activities. Areas covered will be both nationally and ASHE Region 9.

8:00 – 8:45 **California Legislative and Regulatory Update Healthcare Reform**

Roger Richter, Senior Vice President Professional Services, California Hospital Association

Kathryn Scott, Health Care Lobbyist

8:45 – 9:00 **Break**

9:00 – 10:30 **“OSHPD: Update on Changes to Codes and Regulations”**

Paul A. Coleman, Architect, Deputy Director, Facilities Development, Office of Statewide Health Planning & Development (OSHPD)

The presentation by OSHPD will describe the status of hospital's seismic compliance; offer alternate paths for hospital seismic mitigation; and provide an update on changes to codes and regulations.

10:30 – 10:45 **Break**

10:45 – 1:00 **Joint Commission Update**

George Mills, MBA, FASHE, CEM, CHFM, CHSP; Director of Engineering, Department of Engineering, The Joint Commission

Attendees will be provided an update to the Joint Commission environment of care and Life Safety Chapters. This update will include general interpretations, clarifications and discussion centered around survey process as it relates to these two chapters in the Hospital Accreditation Manual. Question and Answer.

1:30 – 3:00 **MECH Certification Exam**

Attendee Information

Resort Accommodations

Resort at Squaw Creek

400 Squaw Creek Road
Olympic Valley, CA 96146
www.squawcreek.com



Reservations: 1-800-403-4434 and online at
<https://resweb.passkey.com/go/CSHE2012>
also linked via the CSHE website at www.cshe.org
Resort: 530-583-6300 Fax: 530-584-4063

	Single	Double
Deluxe Guestroom*:	\$164.95	\$180.90
Fireplace Suite*:	\$184.95	\$200.90
Deluxe Fireplace Suite*:	\$204.95	\$220.90

(After April 9, reservations will be based on availability and current rate.)

*Includes breakfast voucher to Six Peaks Grille.

Resort Fee: \$16 daily per room
Room Block: CSHE
Parking: Free
Check in: 4:00 p.m. Check out: 11:00 a.m.

Credit card charge: The equivalent of the attendee's entire stay will be billed to the attendee's credit card for each attendee who does not arrive or if a reservation is canceled less than seven days prior to arrival. An attendee who departs prior to their confirmed departure date will be charged for the unused balance of their stay. An individual's deposit is refundable if the Resort receives notice of an individual's cancellation at least 21 days prior to scheduled arrival.

Institute Cancellation Policy

Cancellations must be in writing and faxed to (916) 552-7617 prior to April 9, 2012. A \$45 non-refundable processing fee will be charged. Cancellations and non-attending registrants after April 9th will be responsible for the full registration fee. **Substitutions are encouraged.**

Confirmations

Confirmations will be emailed for registrations received at least two weeks prior to the institute.

Americans with Disabilities Act

If you require special accommodations pursuant to the Americans and Disabilities Act, please call (916) 552-7639.

CE Contact Hours

CA BRN (CEP 14298); CHFM; MECH
Thursday, 5; Friday, 5; Total, 10.
Certificates of Attendance will be provided at the conclusion of the institute.

Transportation

Southwest Airlines, www.southwest.com, 800-435-9792

Shuttle Service

Shuttle reservations are required to guarantee availability.
Twenty-four hour cancellation is required for all orders.

North Lake Tahoe Express (One way/one passenger): \$40
www.northlaketahoeexpress.com/rates

CSHE 42nd Annual Institute • May 2-3, 2013 • Paradise Point in San Diego

