46th Annual Institute

March 29 - 31, 2017

Hilton La Jolla Torrey Pines
10950 N Torrey Pines Rd
La Jolla, CA

Contact CSHE
(916) 552 - 7639
cshe@calhospital.org
www.cshe.org

Register online at:
www.cshe.org/Events/AnnualInstitute.aspx
Mr. Rick Barker  
President/CEO  
California Society for Healthcare Engineering, Inc.

Mr. Charles Bragdon  
Founder and CEO  
Water Saver Solutions, Inc.

Mr. Cameron Bruce, PE, CSP  
Principal  
Cameron Bruce Associates

Mr. Paul Coleman  
Deputy Director, Facilities Development Division (FDD)  
Office of Statewide Health Planning & Development (OSHPD)

Mr. Patrick Crais  
Founder and CEO  
Blue Watchdog Conservation, Inc.

Mr. Gary Dunger  
Business Process & Program Manager of Electronic Services Portal  
OSHPD Facilities Development Division

Mr. Darryl Franklin  
President  
Energistics USA Inc. (CHP)

Mr. Devin Hugie  
Region 9 Representative  
American Society for Healthcare Engineering (ASHE)

Ms. Cheri Hummel  
CHA/CSHE Liaison  
California Hospital Association

Mr. Bryan Johnson  
President/CEO and Director of Health Care  
Capital Engineering Consultants

Mr. Joseph Klotz  
Business Development Manager Controls & BAS Distribution, Systems & Services North America Channel  
Johnson Controls, Inc.

Mr. William Koffel, PE, FSFPE  
President  
Koffel Associates, Inc.

Mr. Carlos Lopez  
Principal  
ECOM-ENERGY of California, Inc.

Ms. Mary Massey  
Division Manager  
Health Disaster Management

Mr. Ryan Park  
President  
Spiral Energy (Solar)

Mr. John Reuter  
Vice President of Sales  
Bloom Energy (Fuel Cell)

Mr. Gabe Schwartz  
Director of Marketing and Sales Operations  
Stem (Battery Storage)

Ms. Coleen Smith  
Director, High Reliability Initiatives  
Joint Commission Center for Transforming Healthcare

Mr. Gary Sparks  
Regional Practice Specialist  
Kaiser Foundation Hospitals and Health Plan

Ms. Nanci Timmins  
Chief Fire & Life Safety Officer  
OSHPD

Ms. Katherine Tolomeo  
Engineer, Engineering Department  
The Joint Commission

Mr. Scott Wallace, CEM, LEED AP  
Associate Principal  
Mazzetti + GPA

Mr. Sean Williams  
Team Leader  
Clean Air Certification, Inc.
Optional Activities

Torrey Pines Golf Course

7:00 am  Shotgun Start - SOLD OUT!
12:30 pm  Shotgun Start - SOLD OUT!

San Diego Hornblower Luncheon Boat Cruise

11:30 am  Shuttle to the Boat Dock
            Shuttle pick-up in the Valet Area.
12:15 pm  Hornblower Boat Cruise
2:30 pm  Shuttle to Hilton Torrey Pines

Welcome Reception Dinner

7:00 pm - 10:00 pm  Dinner
            Partarre Gardens & Ballroom Terrace

THUR MAR 30

7:00 am - 9:00 am  Partarre Gardens
            Breakfast

7:30 am - 5:00 pm  Grande Ballroom Foyer
            Registration

7:30 am - 1:30 pm  Grande Ballroom
            Exhibit Show

8:30 am - 9:30 am  Scripps Ballroom
            How the New CMS Emergency Preparedness Requirements Affect My Hospital
            Mary Massey, Health Disaster Management Division Manager
            Participants of this session will learn about CMS' latest ruling addressing their new emergency preparedness requirements for hospitals. Discussions will include Emergency Plans, Policies and Procedures, Communications Plans, and Training and Testing Programs.

9:30 am - 10:30 am  Scripps Ballroom
            Is High Reliability in Health Care Possible?
            Coleen Smith, Director, High Reliability Initiatives, Joint Commission Center for Transforming Healthcare
            • Discuss the principles of high reliability organizations and what makes health care different
            • Describe the High Reliability Health Care Maturity model and its specific application to facility maintenance and engineering
            • Discuss the importance of leaders as agents of change on the journey toward high reliability.
THUR MAR 30

12:45 pm - 1:30 pm
Grande Ballroom
Buffet Lunch

1:45 pm - 5:00 pm
See Track Schedule
Management Tracks I & II, Technical Track

6:00 pm - 10:00 pm
Fairway Ballroom
Annual Banquet, Awards & Casino Night

Join us for the CSHE Annual Banquet and Awards Night. We will also be hosting a Casino Night, featuring Roulette, Black Jack, Craps and Poker.

FRI MAR 31

8:40 am - 8:55 am
Fairway Ballroom
California Legislative & Regulatory Update
Cheri Hummel, CHA/CSHE Liaison, California Hospital Association

9:00 am - 10:30 am
Fairway Ballroom
Safer Hospital Buildings through Advanced Technology
Paul Coleman, Deputy Director, Facilities Development Division (FDD), Office of Statewide Health Planning & Development (OSHPD)

10:30 am - 10:45 am
Fairway Foyer
Break

10:45 am - 1:00 pm
Fairway Ballroom
2017 Environment of Care, Life Safety, and Emergency Management Update
Katherine Tolomeo, Engineer, Engineering Department, The Joint Commission

• Provide an update on the most significant changes to the elements of performance for Environment of Care, Emergency Management, and Life Safety for 2017 and other critical updates related to the physical environment.

1:30 pm - 3:30 pm
Board Room
MECH Certification Exam
### MANAGEMENT I

**Scripps Ballroom I**

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<th>Session</th>
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| 2:45 pm - 3:45 pm | 2012 Life Safety NFPA-101 vs. OSHPD CBC  
Bryan Johnson, President/CEO and Director of Health Care, Capital Engineering Consultants  
Gary Dunger, Business Process and Program Manager of Electronic Services Portal, OSHPD FDD  
Nanci Timmins, Chief Fire & Life Safety Officer, OSHPD  
California Building Code and Life Safety Code….What are the new 2012 Life Safety Code Requirements and how do they compare with the CBC requirements? Gary Dunger, Bryan Johnson and Nanci Timmins will explain the commonalities and differences between the two, and help our facility representatives to understand how to traverse the codes crosswalk without getting hit. |
| 3:45 pm - 4:00 pm — BREAK |
| 4:00 pm - 5:00 pm | Navigating Through Key Concepts of NFPA 99  
William Koffel, PE, FSFPE, President, Koffel Associates, Inc.  
Upon completion of the program, participants will be able to:  
- Apply the risk based approach used in the 2012 Edition of NFPA 99  
- Determine if a requirement in NFPA 99 applies to existing facilities |

### MANAGEMENT II

**Scripps Ballroom 2**

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| 1:45 pm - 2:45 pm | How the Energy to Care Toolkit Helps you Plan and Initiate Energy Savings Projects  
Scott Wallace, CEM, LEED AP, Associate Principal, Mazzetti + GBA  
ASHE’s Energy to Care program has recently released a Toolkit that will help your facility better understand how it uses energy, what to consider before implementing energy efficiency projects, and specific measures that can help you get started saving energy and building trust with your C-Suite. |
| 2:45 pm - 3:45 pm | Hospital Energy Onsite Generation Options  
Moderator: Carlos Lopez, Principal, ECOM-ENERGY of California, Inc.  
Darryl Franklin, President, Energistics USA Inc. (CHP)  
Gabe Schwartz, Director of Marketing & Sales Operations, Stem (Battery Storage)  
Ryan Park, President, Spiral Energy (Solar)  
John Reuter, Vice President of Sales, Bloom Energy (Fuel Cell)  
This panel will address answers to your most common questions relating to on-site energy including solar, cogeneration, battery storage and fuel cells. ECOM-ENERGY will lead a discussion with leading professionals in the industry and will break down key areas including technical benefits, financial benefits and challenges of each technology in a hospital setting. |
| 3:45 pm - 4:00 pm — BREAK |
| 4:00 pm - 5:00 pm | How to Champion Building & Landscape Water Conservation Projects With The Best ROI  
Charles Bragdon, Founder & CEO, Water Saver Solutions, Inc.  
Patrick H. Crais, Founder & CEO, Blue Watchdog Conservations, Inc.  
Goals and objective: What does it take to champion a conservation program and maximize ROI? We’ll review the practical steps each institution can take starting “today” for their facilities. Focus will be on building and irrigation practices that will save water immediately, and how to budget for long term consumption goals. |
Registration Discount
Facility members from the same hospital may take advantage of our multi-attendee registration discount. Each attendee must complete a registration form with payment mailed or faxed together.

Registration
Please print clearly. One person per form. Photocopies acceptable.

First Name
Last Name
Hospital/Organization
Title
Address
City        State        Zip
Phone
Email Address

☐ Check for vegetarian meal option
☐ Check for Certificate of Attendance

Method of Payment

Total Enclosed Fees $ 
☐ VISA  ☐ MasterCard  ☐ AMEX
☐ Check here if you require a receipt

Card Number
Exp. Date        3 (or 4) Digit Code        Zip

Authorizing Signature

☐ Check enclosed
Make checks payable to CSHE

CSHE
1215 K Street, Suite 800
Sacramento, CA 95814

Online Registration
You may also register online at www.cshe.org/Events/AnnualInstitute.aspx.

Exhibitor Packets
Exhibitor packets available by calling (916) 552-7639.

Registration Options
Check all that apply

Annual Institute Fees
Fee includes welcome reception dinner, breakfast, education APP, lunch, breaks and annual banquet

☐ CSHE Facility Member $425
☐ Facility Members from same facility $400
   Registrations must be sent together
☐ Non-Member $550
   Facility registrants will receive CSHE membership
☐ CSHE Affiliate Member $550
☐ Thursday only $325
   Educational APP and lunch only; no banquet ticket
☐ Friday only $250

Guest Fees
For spouse or significant other

Guest Name

☐ Wednesday’s Welcome Reception Dinner $120
☐ Lunch $75
☐ Annual Banquet, plus Casino Night $150
☐ Wednesday Torrey Pines Golf $175
   Includes green fee and gourmet lunch
☐ San Diego Hornblower Cruise $175
   Includes shuttle from Hilton, lunch and sodas

Membership Dues

☐ Facility $50
☐ Affiliate $150

Activity Fees

☐ Wednesday Torrey Pines Golf SOLD OUT!
   Includes green fee and gourmet lunch
☐ San Diego Hornblower Cruise $175
   Includes shuttle from Hilton, lunch and sodas

Questions
Phone: (916) 552-7639
Email: jjones@calhospital.org

Mechanical Evaluation Certification for Healthcare (MECH) Certification Exam
The MECH test will take place on March 31, 2017. Register to take the test and obtain the MECH Preparation Manual at www.mech-certification.org. Deadline to register for MECH test is January 31, 2017.
Resort Accommodations

Hilton La Jolla Torrey Pines
10950 North Torrey Pines Road
La Jolla, CA 92037
ph (858) 558-1500  |  fax (858) 450-4584
hiltonlajollatorreypines.com

Reservations
By phone: 1 (800) HILTONS (445-8667)
Online: https://resweb.passkey.com/go/2017CSHE

Standard Guestroom:  $189
Premium Guestroom:  $229
Terrace Suite:  $189
(After February 28, 2017, reservations will be based on availability and current rate.)

Room Block:  CSHE
Self-Parking:  $29 per day
Valet Parking:  $34 per day
Check in:  4:00 p.m.
Check out:  11:00 a.m.

Early Departure Fee
If a guest who is registered under the Room Block checks out prior to the guest’s reservation checkout date, there will be a fee of $75. Guests wishing to avoid an early checkout fee should advise the Hotel at or before check-in of any change in planned length of stay.

Institute Cancellation Policy
Cancellations must be in writing and faxed to (916) 552-7617 prior to March 15, 2017. A $45 non-refundable processing fee will be charged.
Cancellations and non-attending registrants after March 15 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.

Contact Hours
AC BRN (CEP 14298); CHFM; MECH
Thursday 5; Friday, 5; Total, 10.
If you request a Certificate of Attendance, please check the box on the registration form.

Transportation
Southwest Airlines to San Diego
www.southwest.com
(800) 435 - 9792

Shuttle Service
San Diego Airport to Hilton shuttle service:
https://www.supershuttle.com/Locations/SanDiegoSAN?gclid=CJn14rPP-88CFUY9gQodDv4JYW
COMING SOON!
47th Annual Institute
Watch for dates and location!

CSHE Mission
Our mission is to serve as a resource for the personal and professional development of members, so that they are the best in the health care environment and qualified to address the unique needs of health care organizations.

CSHE Vision Statement
To be the preferred professional organization for the health care environment in California.

CSHE Meets The Needs
The increasing operational cost for a health care facility is related to its environment and equipment which is the responsibility of plant and biomedical personnel. Health care engineering managers have a personal responsibility to advance skills, awareness and knowledge to maintain a proper level of effectiveness and efficiency in the department. Membership in CSHE, a progressive management society, is an excellent means to that end.

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