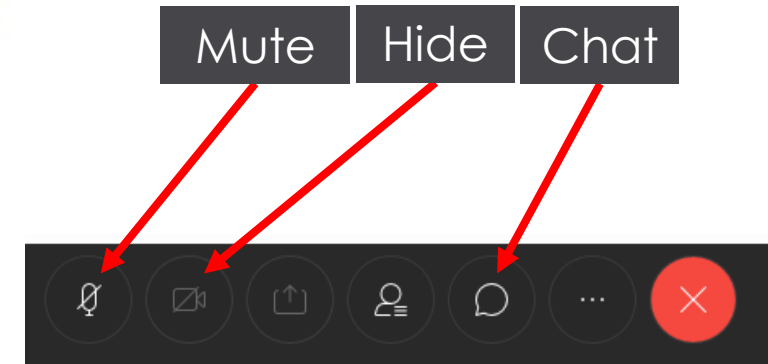




June 29th 2020



Agenda:

- Welcome!
- Housekeeping
- Announcements
- Introduction

Housekeeping

- **Mute** your audio
- **Hide/turn off** webcams
- **Checking** Use chat feature, submit first and last name
- **Q&A** at the end – submit via chat

Powering Up Together

*AEE Center
&
Our Local AEE Chapters*

Your Speakers Today



Cynthia Martin, BEP, CSDP, MBA
Regional Vice President, Region V,
AEE Center
Southern California Edison Representative
VicePresident-RegV-AEECenter@oulook.com
(626) 422-4927 Cell



Don Musser, CEM,
Energy Manager, Searless Valley Minerals
Treasurer & Student Chapter Chair,
AEE SoCal



AEE Regional Vice President, Region V

Value and Purpose of Role

- Chapter Liaison from AEE Center to you & the Other Region's Local Chapters
- Collaborative Partner
- Development of Engagement Opportunities
- Partner to Support Your Chapter Growth
- Your Channel to Awards and Recognition!
- And... more!

Region V Chapters

- ARIZONA Phoenix Chapter
- CALIFORNIA Bay Area Chapter
- SILICON VALLEY Chapter
- SAN DIEGO Chapter
- SAN JOAQUIN Valley Chapter
- SAN LUIS OBISPO Chapter Southern California
- SOUTHERN CALIFORNIA - AEE So Cal Chapter
- HAWAII Chapter
- NEVADA Chapter
- OREGON Columbia River Chapter
- UTAH Chapter

Student Chapters

- Cascades University Student Chapter (Oregon)
- Oregon Tech Student Chapter (Oregon)
- UCI Irvine
- Cal Poly Pomona

CHAPTERS BY REGION, STATE, AND COUNTRY

U.S. CHAPTERS				
REGION I	REGION II	REGION III	REGION IV	REGION V
CONNECTICUT Connecticut Chapter MAINE Maine Chapter MASSACHUSETTS New England Chapter NEW JERSEY New Jersey Chapter NEW YORK Capital District Chapter Long Island Chapter New York City Chapter Western New York Chapter PENNSYLVANIA Central Pennsylvania Chapter Greater Philadelphia Chapter Lehigh Valley Chapter Western Pennsylvania Chapter	ALABAMA Central Alabama Chapter Huntsville Chapter FLORIDA Sunshine Chapter Tampa Chapter GEORGIA Georgia Chapter MARYLAND Baltimore Chapter NORTH CAROLINA North Carolina Chapter Piedmont Chapter TENNESSEE East Tennessee Chapter Mid-South Chapter Middle Tennessee Chapter VIRGINIA Danville Chapter Southeastern Virginia Chapter WASHINGTON D.C. National Capital Chapter	ILLINOIS Central Illinois Chapter Chicago Chapter Illiana Chapter INDIANA Indiana Chapter IOWA Iowa Chapter KENTUCKY Kentucky Chapter MICHIGAN East Michigan Chapter West Michigan Chapter MINNESOTA Twin Cities Chapter Voyager Chapter OHIO Capital City Ohio Chapter Northern Ohio Chapter Southwest Ohio Chapter West Central Ohio Chapter WISCONSIN Wisconsin Chapter	ARKANSAS Arkansas Chapter COLORADO Rocky Mountain Chapter KANSAS Kansas City Chapter MISSOURI Kansas City Chapter St. Louis Chapter NEW MEXICO New Mexico Chapter OKLAHOMA Oklahoma Chapter TEXAS Austin /San Antonio Chapter Lone Star Chapter North Texas Chapter	ARIZONA Phoenix Chapter CALIFORNIA Bay Area Chapter NorCal Chapter San Diego Chapter San Joaquin Valley Chapter San Luis Obispo Chapter Southern California Chapter HAWAII Hawaii Chapter NEVADA Nevada Chapter OREGON Columbia River Chapter UTAH Utah Chapter WASHINGTON Pacific Northwest Chapter
INTERNATIONAL CHAPTERS				
ASIA PACIFIC RIM REGION	ASIA SUBCONTINENT REGION	CANADA REGION	EUROPE - EASTERN & CENTRAL EUROPE REGION	EUROPE – WESTERN EUROPE REGION
China Chapter Hong Kong Chapter Malaysia Chapter Philippine Chapter in Dev Singapore Chapter	Bangladesh Chapter India/Delhi-NCR Chapter India/ISWBM- Kolkata Chapter India/Western India	Alberta Chapter Canada East Chapter Hamilton Chapter Southern Ontario Chapter Southwestern Ontario Chapter	Bulgaria/Plovdiv Chapter Hungary Chapter Romania Chapter Slovakia Chapter	France Chapter Ireland Chapter Portugal Chapter Spain Chapter United Kingdom/UKAEE
FSU (FORMER SOVIET UNION) REGION	LATIN AMERICA REGION	MIDDLE EAST REGION	SUBSAHARAN AFRICA REGION	
Armenia Chapter Georgia Chapter Kazakhstan Chapter Tajikistan Chapter in Development Ukraine/Central Ukraine Chapter	Brazil Chapter in Development Chile/Capitulo Chileno Chapter Colombia Chapter Dominican Republic Chapter Jamaica Chapter Mexico/Nuevo Leon Chapter Panama Chapter Trinidad & Tobago Chapter Uruguay Chapter	Cyprus Chapter Jordan/Energy Chapter EDAMA Kuwait Chapter Lebanon Chapter in Development Palestine Chapter Saudi Arabia/Saudi Chapter Tunisia Chapter Turkey Chapter United Arab Emirates Chapter	Kenya/Eastern Africa Chapter South Africa/Southern Africa Chapter	

Your Professional Career Progression

- Education
- Student Affiliations
- Graduation
- Job Engagement
- Company Progression
- Personal Goal Attainment
- Then What & How?
- How do You Make Your Preferred Difference in the Energy Industry?
- Professional Organization Engagement
- AEE Center combined with the Local Chapter
 - The Ultimate Means to Achieve in the Energy Industry.

AEE Center – Who & What?



We are Local & Global - We are AEE

Industrial, Commercial, Institutional, Government, Utilities

We are the energy managers that help institutions save on energy costs so they can better serve their communities

[Join AEE](#)

[Find A Local Chapter](#)

[Read Stories](#)

AEE Chapters Throughout the World

Accessible to Members-We are Truly a Family with Mutual Aspirations



AEE Mission and Objectives

- The **mission** of **AEE** is “to promote the **scientific** and **educational interests** of those **engaged** in the energy industry and to **foster action** for **Sustainable Development**.” ...

The Foundation of the Association

- The Foundation of the Association of Energy Engineers is a nonprofit organization that is **dedicated to furthering education in energy and management**.

What & Why is AEE?

- A professional organization to help **step your career into action & direction** of your choice
- It's the “**Beyond the job**” professional connections
- It's the opportunity to **drive yourself into leadership/recognition** for innovation, to inspire others, build businesses, to make friends locally, nationally, and internationally.
- It's the place where you can **reach out to bring more value** to the globally critical energy industry which affects all people.
- It's the place to **soar to high places** in the energy industry
- It's the place **to be part of amazing projects** with critical affect on our World, our Nations, our Countries, and our Local Communities.

AEE Center – Who & What?

- Top Leadership & Industry **Professional Access** – AEE Conference Keynote Speakers & Friends of AEE



Thomas Friedman
Pulitzer Prize Winning Author and NY Times Columnist
33rd WEEC
[Video of Speech](#)



Alexandra Cousteau
Environmental Advocate and Water Policy Expert
34th WEEC
[Video of Speech](#)



Robert Swan
Polar Explorer and Environmental Campaigner
World 2019



Captain Scott Kelly
History-making
U.S. Astronaut &
Retired U.S. Navy Captain
41st WEEC
[Video of Speech](#)



Condoleezza Rice
66th US Secretary of State
38th WEEC
[Video of Speech](#)



Gen. Colin L. Powell
35th WEEC

- Free Access to Professional Journals & Other Publications
- Educational and Networking Opportunities
 - Certifications - Continuing Educational Units
- Project Engagements – Award Recognition
- Educational Training Material & Other Resources
- and so much more!



Industry Knowledge & CEU's

- On Demand – CEU Education
- Current Project Dynamics and Evolution
 - *Greenhouse Gas Reduction*

“ZOOM” Webinar for Continuing Education Units!

[2020 February Member Webinar: Urban Planning & Transit Technologies to Cool Cities in Warming Planet](#)



Clean Air and Healthy Communities

More Projects in California Reducing Green House Gases



Southern California Edison EV Charge Ready

Electric Vehicles: Designed to Help You Take Care of Business

Across Southern California, organizations like yours are driving greater efficiency by using electricity to fuel their vehicles and rolling out charging infrastructure for their customers, visitors, employees, or residents.

SCE is reaching out to help organizations learn the benefits of Transportation Electrification (TE) and integrate it into their operations, including light, medium- and heavy-duty, on-road, and off-road EVs. So, take a spin through this page, your go-to destination for all things TE.



Workplace Charging

Offering EV fueling can help retain current employees, attract new ones, and demonstrate corporate social citizenship.



Public Charging

Retail locations and parking garages offering charging stations can appeal to more customers and stand out from the competition.



Fleet Charging

Whether you want to reduce emission of greenhouse gas or reduce fueling costs, TE may be a smart solution for your commercial fleet.



Multifamily Charging

Deploying EV charging in your multifamily property may increase your property's value and boost sustainability efforts.



CHARGE READY TRANSPORT PROGRAM HANDBOOK

Clean Energy to Fuel Southern California's



CHARGE READY TRANSPORT

Clean Energy to Fuel Southern California's
Electric Vehicle Truck and Bus Fleets



SCE's Charge Ready Transport (CRT) Program offers low-to no-cost electrical system upgrades to support the installation of electric vehicle (EV) charging equipment for qualifying vehicles. This program provides a unique opportunity for fleet operators choosing to acquire electric vehicles by providing support and reducing the costs with installing the necessary charging equipment.

When a customer is approved to participate in the program, SCE will design, construct, and install the necessary infrastructure on both the utility-side and customer-side of the electric meter. If the customer prefers, they can perform the customer-side of the meter electrical work and receive a rebate. Additional rebates are available to school districts, transit agencies, and eligible companies within disadvantaged communities.

This program provides a great opportunity for fleet owners and other operators of industrial vehicles including:

- Medium and heavy-duty trucks, shuttles, and vans
- Transit buses
- School buses
- Transportation refrigeration units
- Airport ground support equipment
- Port equipment
- Forklifts and other off-road equipment

BREAKING NEWS: CPUC just presented a proposed decision for the next SCE Charge Ready Program.
STAY TUNED...!

Knorr Systems and the City of Irvine



- Given the rarity of having two 50m side-by-side pools, in 2013, the **Woollett Aquatics Center** was chosen to test the effectiveness and efficiency of the **then-new 96% thermally efficient Lochinvar AQUAS condensing indirect pool heating system**.
- While one pool kept its **original 89% thermally efficient direct-fired boiler**, the other used the **AQUAS system, installed by Knorr Systems**. Both pools were kept at the same temperature. Findings from the study concluded that the pool with the **AQUAS system used 20% less natural gas than the one with a direct-fired heater.**
- The City has since upgraded all its pools with the AQUAS system, including the Northwood High School Aquatic Center earlier in 2019.

Searles Valley Minerals-Zero-Net Energy Project

by Don Musser, Energy Manager, SVM



Searles Valley Minerals-Zero-Net Energy Project

by Don Musser, Energy Manager, SVM

- AEE SoCal
- Board of Directors – 7 Years
- 49 Years Industrial Experience
- Presentation of Searles Valley Minerals
- August 11th 12:00 Noon



Searles Valley Minerals-Zero-Net Energy Project

by Don Musser, Energy Manager, SVM

- Searles Valley Minerals – 100+ Years
 - Where Is Trona
 - 3 Facilities
 - 1 Utility Facility, Steam & Electricity
 - 1 Brine Resource
 - What Do We Make
 - Soda Ash, Boron Products, Sodium Sulfate & Potash (SUPO)

Searles Valley Minerals-Zero-Net Energy Project

by Don Musser, Energy Manager, SVM

- Energy Efficiency Projects
 - Lighting, VFDs, Insulation
 - Savings, 10%, \$1,000,000/Year (1 MW)
- Alternative Energy Projects
 - Solar PV & Batteries
 - Solar Thermal with Storage
 - Water Reduction
- ZNE Goal – Micro-Grid

Searles Valley Minerals-Zero-Net Energy Project

by Don Musser, Energy Manager, SVM

- EARTHQUAKES
 - 6.4th of July
 - Followed by a 7.1 on July the 5th
 - Lots of Photos of Industrial Damage
 - Lots of Photos of Area Damage

Make Your Own Success Story



Samer Zawaydeh

- Our journey with The Association of Energy Engineers started with the USAID SABEQ program introducing the Certified Energy Manager® CEM® in Jordan in 2010. Taking part of this five-day course was highly rewarding on the scientific and personal level. The high quality and high performance of the AEE instructors provided guidance and assisted professional engineers in better managing the energy issue in Jordan.



Fotouh Al-Ragom

- AEE is my professional family. Since I have joined AEE back in 2000 and up to now, 16 years later, I could not have wished for a better professional family.

Make Your Own Success Story



• **Jared Higgins**

- When we formed our local AEE chapter, it really opened a lot of doors for me. I now had contacts at utility companies, universities, and hospitals that I could use to get information faster.



• **Salas O'Brien Engineers**

- Salas O'Brien has been intimately involved in the Association of Energy Engineers (AEE) since its founding in 1977 and has been a Corporate Member for many years.



Make Your Own Success Story

Tim Janos, CEM, CEA, CIEP, AEE Fellow Rewarding Experience in My Career

I have been a member of the Association since the very early 80's, not long after AEE was founded and over a span approaching 40 years:

“I can honestly say that joining and actively participating has been one of the most rewarding experiences in my career. I firmly believe and support the scientific and educational mission of AEE and encourage everyone to get involved.”

Objective to Having a Local Chapter

- **Chapters** promote **AEE's** Goals and Programs on the **Local Level**
- They Establish the **individual chapters in their various communities** as the "**go-to**" organization for all **energy related matters**.
- **The Nevada Chapter** is here to Engage Your Local Interests as well as Your Connection and Values from AEE Center.

AEE Center Supports the Local Chapters

“The Chapter’s Mothership” Offering Many Resources

AEE Updates

- AEE offering Online and On-Demand Training Options Visit www.aeecenter.org/training
- Virtual CEM (NEW) Class –| Atlanta, GA •
- September 14-18, October 19-23, and November 9-13
- <https://education.aeecenter.org/collections/cem/products/cem-hybrid>
- Remote Proctoring for Certification Exams •
- <https://www.aeecenter.org/remoteproctoring>

AEE Updates

- Ruth Whitlock, former Executive Director and Patricia Ardavin, former Membership Director, retired in February.
- New Executive Director: **Michelle Whitlock** (no family relation to Ruth but as great!)
- New Membership director started in early May:
- Membership inquiries to **Jennifer Vendola** or membership@aeecenter.org

AEE Events – New Dates

- AEE World: November 30- December 4, 2020 – **VIRTUAL**
- AEE East: March 24-25, 2021 | **Boston, MA**
- AEE West: May 19-20, 2021 | **Long Beach, CA**
- AEE Europe: Rescheduled - **September 22-23, 2021 in Dublin**

2019 Energy Jobs and Market Trends Report

AEE received responses from over 2,300 energy professional in 88 countries.



Free Zoom Account For All Chapters

- AEE has 10 individual Zoom accounts for AEE chapters
- Meetings can have up to 300 participants
- No time limit on meetings
- Meetings can be recorded and sent out later for viewing
- Attendance can be tracked and recorded
- Accounts are being shared by Regions –contact me for login information

Member Webinars

We have more than 30 previously recorded member webinars and many more rolling out in the months ahead.

To see the previously recorded webinars, click the link from your AEE member portal page
To register for upcoming member webinars, visit www.aeecenter.org/benefits.

NEW BENEFITS - Member Webinars & Previous Keynote Speeches

Visit www.aeecenter.org/benefits to view upcoming member webinars and to register. The 2018 World Energy Engineering Congress Keynote Speeches are available for members only on AEE's YouTube Channel. View the playlist [here](#).

2018 WEEC Keynote Speeches

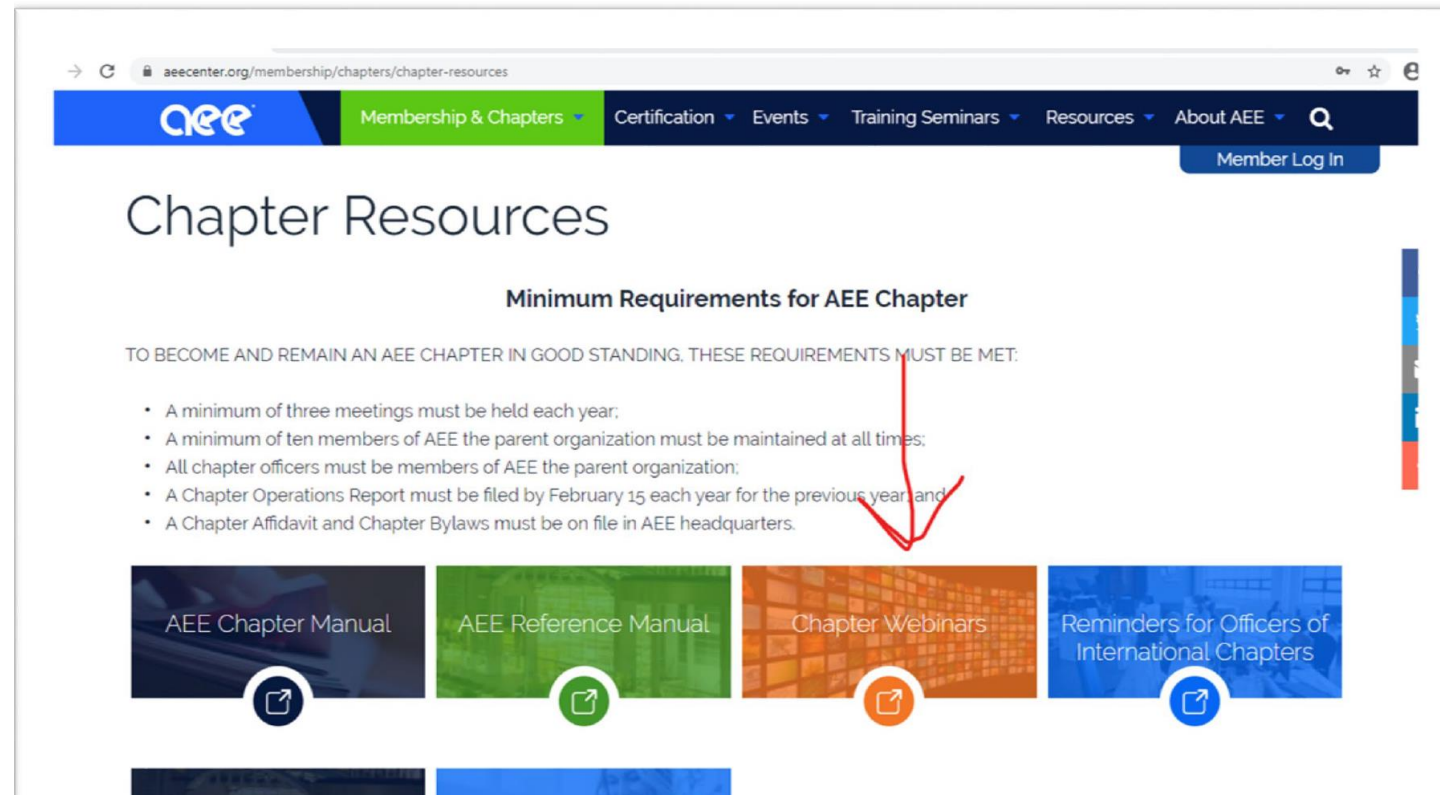


Previous Member Webinars Playlist



Chapter Webinars

- Previously recorded chapter webinars can be found at www.aeecenter.org/chapterresources



Other AEE Webinars

- AEE is offering other free webinars in the coming months

- **COVID19 Series**

- 1st Webinar was April 7th
- 2nd Webinar was early May

- **AEE East Speaker Webinar Series**

- Started April 2020

- **Leadership Series**

- Will Start September 2020

2020 AEE East Speaker Webinar Series - **NEW!**

Thursday, April 16, 2020
2:00-3:00pm (EDT)

Volatile Energy Costs -
The Unexpected Margin Thief



Dan Coranah
Senior Vice President
INTL FCSStone Financial, Inc.

REGISTER

MORE INFO

Thursday, April 23, 2020
2:00-3:00pm (EDT)

An Innovative Outdoor IIOT Edge
Platform for Smart Cities' Digital
Transformation



Chris Davis
Principal Consultant
Technicity Consulting

REGISTER

MORE INFO

Wednesday, April 29, 2020
2:00-3:00pm (EDT)

Case Study - Another Successful
Thermal Energy Storage Project



Guy Frankenfield
Energy Market Manager
DN Tanks, Inc.

REGISTER

MORE INFO

Upcoming webinars can be found at
www.aeecenter.org/benefits

Leadership Webinar Series

AEE is offering a series of webinars on Leadership free to members only.

- Leadership Excellence Session 1
 - Characteristics and Competencies of Outstanding Leaders
 - Wednesday, September 30th | 1:00 –3:00 p.m. EST
- Leadership Excellence Session 2
 - Team Excellence Model
 - Wednesday, October 28th | 1:00 –3:00 p.m. EST
- Leadership Excellence Session 3
 - Ethical Decision Making
 - Wednesday, November 18th | 1:00 –3:00 p.m. EST

A Few Reminders

- Free access to AEE's Career Hub



Career Hub always Free for AEE Members. Pricing for non-members is here: <https://portal.aeecenter.org/i4a/careerHub/?pageid=4906>

- Chapter Members who are not AEE members can join AEE for 50% off with discount code Chapter50. (Valid on the \$195 membership rate only.)
- Chapter Recognition Award Nominations : Annual Opportunity – 2020 Awards Soon to be Revealed!
 - <https://aeeawards.wufoo.com/forms/2020-aee-chapter-recognition-awards/>
- Send Chapter News to Karly@aeecenter.org to be shared on AEE's social networks and in the Energy Insight

Now... You ... Tell Us About Yourself

- **Please Share More About Yourself with Your Chapter Leaders. We want to get to know you and work with you to support your interests:**
- Tell Us Your Name, Background & Objective For AEE Engagement.
- What One Thing Do You Want To Accomplish In Your Career?
- How Are You Investing In Your Career For Further Advancement?
- How Can AEE Center & Local Nevada Chapter Help You?

Join the Network & Soar to Your Goals

Membership & Chapters ▾ Certification ▾ Events ▾ Training Seminars ▾ Resources ▾ About AEE ▾ 






Member Log In

Become A Member & Join A Local Chapter

Choose between an individual membership, a corporate membership, and a student membership. Enhance the value of your membership by also joining one of our affiliated divisions.

[Join Now](#)[View Chapters](#)

[Member Brochure](#)


53