aee ENERGY CONFERENCE & EXPO

WORLD

EVENT GUIDE

45 years aee Association of Energy Engineers

Sept. 21-23, 2022 | Expo: September 21 & 22

Georgia World Congress Center | Atlanta, GA | Hall C1

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Brian P. Kemp
GOVERNOR

September 21, 2022

To: The 2022 AEE World Energy Conference and Expo

GREETINGS:

On behalf of the state of Georgia, allow me to extend my warmest regards to you as you host and participate in your event.

Please allow me also to welcome your distinguished guests, honorees, their families, and other attendees.

I send my best wishes for a productive event!

Sincerely,

Governor Brian P. Kemp

Look Inside

Celebrating 45 years

aee ENERGY CONFERENCE & EXPO

WORLD

Opening Session

9:00 am - 10:50 am | September 21, 2022

Georgia World Congress Center | Georgia Ballroom 2

Featured Keynote Speakers

Opening Session Chair
Eric Oliver,
PE, CEM, LEED AP
Director of Energy Solutions
2RW Consultants

Creating a Lasting Impact: 45 Years in Review
Bill Kent, CEM
Executive Director
Association of Energy Engineers
9:00 - 9:15 am

Welcome to Atlanta
Andre Dickens
Mayor
City of Atlanta
9:15 - 9:25 am

My Journey with AEE
Fotouh Al-Ragom,
Ph.D., CEM, CSDP, CEA
Kuwait Institute for
Scientific Research
9:25 - 9:40 am

Energy for Today, A Plan for Tomorrow
Tom Fanning
Southern Company
Chairman, President & CEO
9:40 - 10:05 am

Climate Justice: Hope, Resilience & the Fight for a Sustainable Future
Mary Robinson
First Woman President of Ireland
& President of the Mary Robinson
Foundation, Climate Justice
10:05 - 10:50 am

Expo Opens at 10:30 am in Hall C1

CONFERENCE SCHEDULE ▶ SPECIAL EVENTS ▶ EXPO & EXHIBITORS

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Conference Special Events

Tuesday | Sept. 20

12:30 - 2:30 pm | Annual AEE Event | Georgia Ballroom 3
Chapter Leadership Meeting

3:00 - 5:30 pm | Annual AEE Event | Georgia Ballroom 1
AEE Regional Awards Ceremony

6:30 - 10:00 pm | Networking | World of Coca Cola Museum
Legends in Energy Reception

Conference Sessions & Panel

Technical Sessions

Wed. 2:30 - 4:30 pm
Thur. 9:00 - 11:00 am
Fri. 9:00 - 11:00 am

Panel Discussion

Thur. 2:30 - 4:30 pm

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Wednesday | Sept. 21

Innovative Technology Breakfast Sponsor

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7:30 - 8:30 am | Networking | Georgia Ballroom 1
Free Innovative Technology Breakfast[1]
Learn about the latest technologies, products, services and solutions that are available now over a complimentary hot breakfast.

Innovative Technology Breakfast Speakers

7:35 am | **Green Building Holdings/SIG**
Connor Offutt, President of Aetos Imaging.
Visit their Booth #336.

7:45 am | **Aeroseal**
Visit their Booth #413.

7:55 am | **Better Plants**
John O'Neill, Better Plants Program Manager.
Visit their Booth #435.

8:10 am | **EMPEQ**
Herbert Dwyer, Co-founder and CEO.
Visit their Booth #409.

12:00 - 1:30 pm | Annual AEE Event | Georgia Ballroom 1
AEE Student Chapter Awards Luncheon
Deserving student chapters will be recognized for their achievements on campus and within their local communities.

4:00 - 6:00 pm | Networking | Hall C1
Conference Attendee Networking Reception[1]
This exclusive event, held in the expo hall, is an excellent way for conference attendees, speakers, and exhibitors to connect after the first day of events.

6:15 - 6:45 pm | Annual AEE Event | Outside Georgia Ballroom
AEE Banquet Reception[1]
Join conference attendees for the free networking event held prior to the International Awards Banquet.

6:45 - 7:00 pm | Annual AEE Event | Outside Georgia Ballroom
Fellows Induction Ceremony[1]
Welcome Members who are celebrating AEE Fellow status. We recognize their significant contribution to the industry.

7:00 - 10:00 pm | Annual AEE Event | Georgia Ballroom 2
AEE International Awards Banquet[1]
Join AEE to recognize individuals and companies that have demonstrated notable contributions to the energy profession on international levels.

1. Event, food and beverage is included with paid conference registration. Your meal tickets are listed on the back of your badge, which will be scanned at the event.

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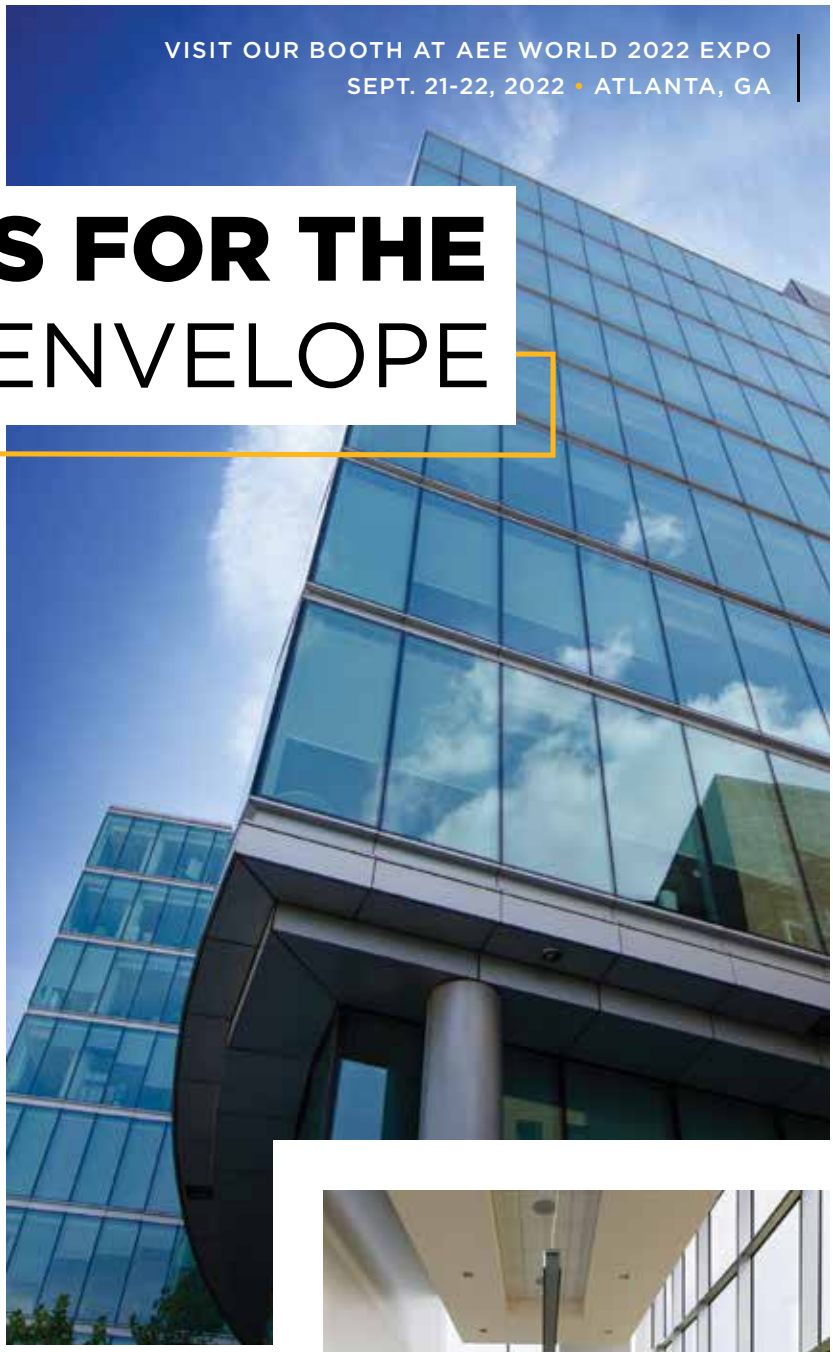

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CWEEL & Keynote Events

Thursday | Sept. 22

7:30 - 9:00 am | Networking | Georgia Ballroom 1

CWEEL Breakfast and Keynote Presentation[1]

Join us for a keynote presentation by Lara Krecic.

CWEEL Breakfast Sponsors

Lara Krecic
VP Southwest District, Energy Systems, DNV Energy Services USA Inc.

12:00 - 1:30 pm | Networking | Georgia Ballroom 1

AEE Atlanta Chapter Luncheon

Join us for a keynote presentation by Dr. Marilyn A. Brown, Ph.D., CEM, NAE, NAS, Regents & Brook Byers Professor of Sustainable Systems at Joint Faculty with Oak Ridge National Laboratory & School of Public Policy at the Georgia Institute of Technology.

Marilyn A. Brown, Ph.D.

5:00 - 6:30 pm | Networking | Outside Georgia Ballroom

CWEEL Reception[2]

Enjoy drinks and Hors d'oeuvres while networking and supporting the CWEEL Scholarship Program.

CWEEL Reception Sponsors

1. Event, food and beverage is included with paid conference registration. Your meal tickets are listed on the back of your badge, which will be scanned at the event.
2. Refreshments included for CWEEL members, $50 for all others.
*3. Lunch included**

Friday | Sept. 23

11:15 am - 1:00 pm | Annual AEE Event | Georgia Ballroom 2

Keynote Luncheon[3]

Join conference attendees as Bill Nussey and Dr. Henry McKoy close the event with their keynote speeches.

Photo opportunity following luncheon

Bill Nussey
Climate Tech Investor & Author of Freeing Energy

Dr. Henry McKoy
Director of the Office of State & Community Energy Programs (SCEP), U.S. Department of Energy

2022 Hall of Fame Inductees

Held during the AEE World closing keynote luncheon*. The Energy Managers Hall of Fame is the highest honor bestowed by AEE, recognizing individuals for their lifetime dedication in promoting the practices and principles of energy management.

Dr. Leonard Chow

Catherine Luthin

Daily in Expo Hall C1

Networking Luncheons

Wednesday, Sept. 21 | 12:00 - 1:00 pm
Thursday, Sept. 22 | 12:00 - 1:00 pm

Daily luncheons bring together conference attendees, exhibitors, expo visitors, conference speakers and training program attendees.

Coffee Station

Stop by the expo hall at Booth #331 to kick start your day or refresh mid-morning. Sponsored by Yardi.

Poster Sessions

Booth #110

These presentations enable exhibit hall visitors and conference attendees to get face-to-face with the presenter on an informal basis to get in-depth information on new projects, data, and case studies.

Exhibitor Forums

Exhibitors provide brief presentations about their new technologies, case studies or developments that differentiate them in the marketplace.

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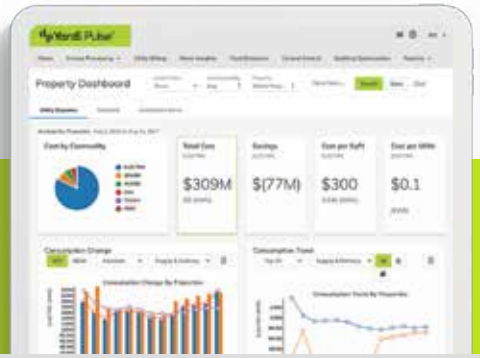
VISIT BOOTH #330



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BOOTH #: 230

Conference Overview & Planner

	Wednesday, September 21			Thursday, September 22		Friday, September 23
7:30 AM	Innovative Technology Breakfast			CWEEL Breakfast		
8:00 AM						
8:30 AM						
9:00 AM	Conference Opening Session			Conference Tracks		Conference Tracks
9:30 AM						
10:00 AM						
10:30 AM			EXPO		EXPO	
11:00 AM						
11:30 AM						Closing Keynote Lunch*
12:00 PM	Conference Attendee or Student Lunch			Conference Attendee Lunch or AEE Atlanta Chapter Luncheon		Including AEE Hall of Fame Presentations
12:30 PM						
1:00 PM						
1:30 PM						
2:00 PM						
2:30 PM				Plenary Panel Discussion		
3:00 PM						
3:30 PM		Conference Tracks				
4:00 PM						
4:30 PM	Conference Attendee Networking Reception					
5:00 PM						
5:30 PM					CWEEL Reception	
6:00 PM						
6:30 PM	Banquet Reception and AEE Fellows					
7:00 PM						
	AEE International Awards Banquet (7-10 PM)					

Plan your week here!

Day - Time	- Conference Track	- Location
Wed. 2:30 PM		
Wed. 3:00 PM		
Wed. 3:30 PM		
Wed. 4:00 PM		
Th. 9:00 AM		
Th. 9:30 AM		
Th. 10:00 AM		
Th. 10:30 AM		
Fri. 9:00 AM		
Fri. 9:30 AM		
Fri. 10:00 AM		
Fri. 10:30 AM		

EXPO Hall

Wednesday, September 21st | Conference Tracks 2:30 - 4:30 pm

TRACK A
ROOM: **C205**

SESSION A1

DOD & FEDERAL INITIATIVES

CHAIR: Asad Gilani, CEM, BEP, CAP, Senior Management Analyst, Department of Veterans Affairs

2:30 - 3:00PM
Federal Government & Utility Partnerships
Monica DeAngelo, CEM Director, Federal Partnerships, Southern Company

3:00 - 3:30PM
Monetizing Government Critical Building & EV Microgrids
Norm Campbell, CEM, CDSM, Manager, Federal and Mobile Systems
Go Electric - Saft

3:30 - 4:00PM
Energy–Efficient Modifications to Expeditionary Shelters
Reza Salavani, Energy Program Manager, Air Force Civil Engineer Center (AFCEC)

4:00 - 4:30PM
Panel Discussion and Q&A

TRACK B
ROOM: **C204**

SESSION B1

DECARBONIZATION OF THE URBAN ENVIRONMENT

CHAIR: Catherine Luthin, MBA, President, Luthin Strategy

2:30 - 3:00PM
Decarbonization of the Urban Environment
Michael J Rohan, BE, MBA, CHFM, Corporate Director, Energy, Engineering & Infrastructure, Northwell Health

3:00 - 3:30PM
Decarbonization of the Urban Environment
Pradheep Kileti, Director, Future of Heat Gas Engineering and R&D, National Grid

3:30 - 4:00PM
Building Carbon Capture System
Doug Staker, 35 year energy professional, SVP of Customer Operations at CarbonQuest, CarbonQuest

4:00 - 4:30PM
Decarbonization Training for Facility Managers
Jillian Winterkorn, CEM, LEED AP BD, WELL AP, Energy Efficiency Consultant, Eversource

TRACK C
ROOM: **C210**

SESSION C1

METERING

CHAIR: Maryanne McGowan, CPA, CEM, Vice President, Strategic Development, The Utilities Group

2:30 - 3:00PM
Utility & Sub-Metering - The Value of the Data
Michael Dalton, CEM, CPQ, Senior Engineer, Georgia Power Company Metering Services

3:00 - 3:30PM
Compliance & ESG & Procurement, Oh My! Are You Fully Utilizing Your Submeters?
Christy Cannon, CEM Solutions Consultant, Yardi Energy

3:30 - 4:00PM
The Art & Science of Submetering
Jeramy Cannon, Owner, Cannon Metering

4:00 - 4:30PM
The Fundamentals of M&V
Leon Murray

TRACK D
ROOM: **AUDITORIUM 101**

SESSION D1

ENERGY MANAGEMENT 101

CHAIR: David Ahrens, PE, CEM, CDSM, LEED AP, EBCP, MBA, Managing Director, Energy Spectrum

2:30 - 3:00PM
Energy Auditing 101
Kristie Teoh, EIT, CEM, CSR-P, Associate Engineer, Servidyne

3:00 - 3:30PM
Tools for Energy Auditing 101
Donald Edwards, GTE Energy Partnership & Services

3:30 - 4:00PM
Variable Flow Chilled Water Systems 101
James Waltz, PE, CEM, DABFET, FCABE, President, Energy Resource Associates

4:00 - 4:30PM
Motors and VFDs 101
Thomas Sherman, CEM, CEA, CDSM, CCASS, President, Sustainable Energy Services, Inc.

TRACK E
ROOM: **C103**

SESSION E1

COMMISSIONING

CHAIR: Darren Xu, PE, Bee

2:30 - 3:00PM
Building Commissioning as Part of an ESG Program
Mike Eardley, PE, LEED AP, CCP, Director of Energy & Sustainability, EBI Consulting

3:00 - 3:30PM
What Data from 3 Years of Analytics on 80+ Chillers Taught Us About Chiller Failures
Jim Crockett, PE, Senior Project Engineer, ETC Group

3:30 - 4:00PM
Inspiration4 Learning: Lessons from Commissioning St. Jude's Advanced Research Facility
Corey Keen, CxA, BCxP, CEM, LEED AP BD+C, Director of Energy Services, Entegrity

4:00 - 4:30PM
Panel Discussion and Q&A on Current State of Building Commissioning
Led by Darren Xu, the Session Chair, & all Speakers

TRACK F
ROOM: **C104**

SESSION F1

CREATING HIGH PERFORMANCE COMMUNITIES

CHAIR: Peter Garforth, PE, Principal,Garforth International LLC

2:30 - 3:00PM
Sheridan College - Catalyzing Breakthrough Community Energy & Climate Implementation
Herb Sinnock, P.Eng., CEM, CMVP, CBCP, Director - Sustainability, Sheridan Collegeny

3:00 - 3:30PM
City of Brampton - Aligning Secondary Land Use & Energy Planning to Create a New Net-Zero Neighbourhood
Michael Hoy, Senior Environmental Planner, City of Brampton

3:30 - 4:00PM
The Evolution of a Portfolio Strategy for Achieving Decarbonization & Energy Efficiency Objectives
Daniel Gosselin, Senior Director, BGIS

4:00 - 4:30PM
Town of Newmarket - Retrofitting Existing Homes & Buildings - Building a Path to Success When so Many Fail
Meghan White, Senior Planner, Town of Newmarket, Ontario
Peter Garforth, PE, Principal, Garforth International LC

TRACK G
ROOM: **C105**

SESSION G1

INDUSTRIAL DECARBONIZATION STRATEGIES

CHAIR: Steven Schultz, CEM, CPEnMS, SEP PV, ISO 50001 Lead Auditor, International Energy Consultants, LLC

2:30 - 3:00PM
Path Forward: Decarbonizing the Industrial Sector
Paul Scheihing, 50001 CP EnMS, Principal, 50001 Strategies LLC and Steven Shultz, CEM, CPEnMS, SEP PV, ISO 50001 Lead Auditor, International Energy Consultants, LLC

3:00 - 3:30PM
Industrial Heat Pumps: Electrifying Industry's Process Heat Supply
Paul Scheihing, 50001 CP EnMS, Principal, 50001 Strategies LLC

3:30 - 4:00PM
Corporates Energy Management Programs
Andrew Hejnar, P.Eng, CEM, Senior Manager, Energy, 3M Canada Company

4:00 - 4:30PM
Make More with Less: The Energy Management of Making Things
Michael Stowe, PE, CEM, PEM, CP EnMS, SEP PV, Senior Energy Engineer, Advanced Energy

Wednesday, September 21st | Conference Tracks 2:30 - 4:30 pm

TRACK H
ROOM: **C106**

SESSION H1

EPA: ENERGY STRATEGY FOR THE NEXT 10 YEARS

CHAIR: Elizabeth Dutrow, CEM, Physical Scientist, US EPA Energy Star

2:30 - 3:00PM
"All of the Above" Approach to Decarbonization
Lisa Lambert, Electrical Engineer - Group Leader, Global Natural Resource Management - Site Energy Coordinator, Eastman

3:00 - 3:30PM
Hexion's Decarbonization Journey & Pathway
David Steiner, CEM, Utilities and Environmental Sustainability Leader, Hexion Inc

3:30 - 4:00PM
HanesBrands Sustainability Journey: From the Early Days to Decarbonization Planning
Philip Henson, Director, Global Energy and Environmental Sustainability, HanesBrands

TRACK I
ROOM: **C107**

SESSION I1

THE BETTER PLANTS PROGRAM- ENERGY EFFICIENCY & ENERGY MANAGEMENT

CHAIR: Ethan Rogers, Technical Partnerships Technology Manager, Energy Efficiency & Renewable Energy, Advanced Manufacturing Office, U.S. Department of Energy

2:30 - 3:00PM
Idle Machine Automated Control
Mohammed Karoush, Sustainability Engineer, Graham Packaging

3:00 - 3:30PM
Lockheed Martin's Energy Playbook
Erin Zayko, Environmental Stewardship Engineer, Lockheed Martin Corporation

3:30 - 4:00PM
SEM Program Sponsored Through DTE Energy
Dwayne Kubacki, CEM, Senior Facility Engineer, Energy Manager, Master Electrician

4:00 - 4:30PM
Edwin Willhite, CEM, Regional Facilities Leader, Schneider Electric

TRACK J
ROOM: **C108**

SESSION J1

ENERGY STORAGE

CHAIR: Samer Zawaydeh, Msc, CRM, REP, Lecturer, Al Hussein Technical University

2:30 - 3:00PM
Pasha's Green Shipping Terminals Micro Grid with Battery Storage & Alternative Energy Sources
Michael Gaffney, CEM, CEA, CPQ, Senior Engineer, The Pasha Group

3:00 - 3:30PM
Thermal Energy Storage AND Batteries – "It's Not a Question of One or the Other, it's Which One is the Right Application Now for My Campus."
Guy Frankenfield, PE, Energy Market Manager, DN Tanks

3:30 - 4:00PM
How Electric Cooperative is Preparing for the Grid of the Future?
Manish Murudkar, CEM, MBA, Director, DER Strategy, Cobb EMC

4:00 - 4:30PM
Performance of Hybrid Renewable Energy Power System for a Residential Building
Mohammad Qandil, Ph.D., Application Engineer, Terma-Stor/University of Wisconsin-Milwaukee

TRACK K
ROOM: **C109**

SESSION K1

NEW TECHNOLOGIES

CHAIR: Richard Costello, PE, CEM,CEA, CEP, President - Acela Energy Group & Acela Thermal Energy, AEE international Chairman of Elections, Acela Energy Group

2:30 - 3:00PM
Chiller Optimization - Reduce Costs & Reduce Risks
Duane Warren, CEM, CMVP, LEED GA, Senior Energy Engineer, Jones, Lang, Lasalle

3:00 - 3:30PM
Insulation is Greener Than Trees
James Park, Chief Environment Officer, I-Star Energy Solutions

3:30 - 4:00PM
Ask the Folks Who Own MORE THAN One: Thermal Energy Storage (TES)
Paul Catanzaro, Business Development Manager, CB&I Storage Tank Solutions

4:00 - 4:30PM
Real Time Grid Integration of Smart HVAC Control
Matthew Cable, CEM, Supervisor Technology Department, Enbridge

TRACK L
ROOM: **AUDITORIUM 102**

SESSION L1

BUILDING ANALYTICS

CHAIR: Stephen Beck, CEM, Director, Business Development, World Kinect Energy Services

2:30 - 3:00PM
RTEM - Requisite to Electrify & Decarbonizing the Built Environment
Thomas Yeh, CEM, CMVP, CBCP, CDSM, DCP, IGSHPA AI, Technical Advisor, NYSERDA & Lauren De La Fuente, Project Coordinator, NYSERDA

3:00 - 3:30PM
Simplified Energy Modeling to Increase Building Performance & Resiliency: Accessible, Accurate, & Affordable Analysis
Jason Steinbock, PE, BEMP, LEED® AP BD+C, Business Development Director, Willdan

3:30 - 4:00PM
Concurrent Model-Based Anomaly Detection & Diagnosis
Ali Mehmani, PhD, Head Core Research: Data Science, Prescriptive Data

4:00 - 4:30PM
Panel Discussion and Q&A

TRACK M
ROOM: **C110**

SESSION M1

SO YOU WANT TO START AN ENERGY EFFICIENCY BUSINESS?

CHAIR: John Avina, PE, CEM, CMVP, CEA, CxA, President, Abraxas Energy Consulting

2:30 - 3:00PM
Tips for Success as a Small Energy Services Business
George Buchanan, CEM, Founder & CEO, 2KB Energy Services

3:00 - 3:30PM
Driving the Top Line While Protecting the Bottom Line
Christian Nelson, CEO, Helios

3:30 - 4:00PM
Starting & Growing an Energy Consulting Business
Eric Oliver, PE, CEM, LEED AP, Founder, Earthwide, LLC

4:00 - 4:30PM
So you Want to Start a Business?
John Avina, PE, CEM, CMVP, CEA, CxA, President, Abraxas Energy Consulting

Speakers are subject to change and the most up to date information can be found online.

Visit the Expo Hall C1 | Event Exhibitors

See the Inside Back Cover for an Exhibitor List, Booth Numbers and Expo Floorplan

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Contact

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Tel: 205-222-1634

Or Visit Booth #231

Information as of 9/11/2022.

Thursday, September 22nd | Conference Tracks 9:00 - 11:00 am

TRACK A
ROOM: **C205**

SESSION A2

INTEGRATING ENERGY SECURITY

CHAIR: Keith Benson, Director, Energy, Navy Installations Command

9:00 - 9:30AM
DoD ESTCP - New R&D & Cybersecurity Technology Overview
Colin Dunn, CEM, PE, LEED AP, PMP, Chief Executive Officer Fend Incorporated

9:30 - 10:00AM
Steven Vickery, PE, CEM, CEA, Regional Energy Program Manager, Navy Region Southeast N44

10:00 - 10:30AM
Energy Security
Shawn Bilak, Security Risk and Compliance Analyst Specialist, Southern Company

10:30 - 11:00AM
Derek Harp

TRACK B
ROOM: **C204**

SESSION B2

UTILITY & ELECTRIC RATES

CHAIR: Brian Coughlan, CEM, BEP, CEP, CDSM, President, Utility Management Services, Inc.

9:00 - 9:30AM
Rate Comprehension for Projects & Savings
Miles Smith, CEM, CEA, CMVP, Sr. Energy Project Manager, CBRE @ Northern VA Community College

9:30 - 10:00AM
Curtailable/ Interruptible Rates
Hunter Wilkinson, B.S. Statistics, BEP-IT, Analyst, Utility Management Services

10:00 - 10:30AM
Real Time Pricing Rates
Tony Castro, Pricing Administration Manager, Southern Company

10:30 - 11:00AM
Solar Generation & Utility Rate Optimization
Daniel Uribe, Rate Manager, Cherry Street Energy

TRACK C
ROOM: **C210**

SESSION C2

COMBINED HEAT & POWER

CHAIR: Buster Barksdale, CEM, CSDP, CEO, CoGen Power Solutions

9:00 - 9:30AM
Organic Rankine Cycle in CHP Applications Company: ElectraTherm
Fariha Amin, Sales Manager North America

9:30 - 10:00AM
Building Resiliency Into Operational Improvements with Combined Heat & Power (CHP)
Edward Musz, Manager, Pepco Holdings

10:00 - 11:00AM
Panel Discussion and Q&A

TRACK D
ROOM: **AUDITORIUM 101**

SESSION D2

ENERGY MANAGEMENT 102

CHAIR: Brian Clippinger, CEM, CMVP, LEED AP, EIT, Corporate Director - Measurement and Verification, Energy Systems Group

9:00 - 9:30AM
Renewables 101
Jessica Harris, CBCP, CEM, MFBA, NABCEP PV Designer, President, Harris Energy Solutions, LLC

9:30 - 10:00AM
Geothermal 101
John Ciovacco, President, Aztech Geothermal, LLC

10:00 - 10:30AM
EV Charging: The Next Hot ECM
Lonnie Russell, CEM, CLEP, REP, Senior Sales Manager, Autel

10:30 - 11:00AM
Heat Pump Water Heater Basics 101
DeWayne Jenkins, CEM, HER, REA, Residential, Commercial & Industrial Support Specialist, Alabama Power Company

TRACK E
ROOM: **C103**

SESSION E2

ENVIRONMENTAL, SOCIAL, & GOVERNANCE

CHAIR: Fotouh Al-Ragom, PhD, CEM, CSDP, CEA, Energy Efficiency Technologies Program Manager, Kuwait Institute for Scientific Research

9:00 - 9:30AM
Reducing Scope 1 & Scope 2 Emissions Through Energy Auditing
Jessica Allen, PE, Energy Engineer, Advanced Energy

9:30 - 10:00AM
Maximizing ESG Data Coverage Using Energy Benchmarking & Related Data Sources
Ankita Gupta, PE, CEM, Senior Energy Engineer, Yardi Systems Inc.

10:00 - 10:30AM
ESG for Midstream Industries
Sowmitra "Sam" Ghosh, Engineer, Kinder Morgan

10:30 - 11:00AM
Turning Energy Use Data into Carbon/GhG Performance Tracking - The Role of Data in Achieving ESG Goals
John Petze, Co-Founder, COO, SkyFoundry

TRACK F
ROOM: **C104**

SESSION F2

SMART CITIES: CREATING CRITICAL CITY SCALE INFRA-STRUCTURE

CHAIR: Andrew Penner, P.Eng., M.Eng., CEM, LEED AP, Senior Manager, Energy and Professional Services, Major Projects, OPDS Brookfield Global Integrated Solutions (BGIS)

9:00 - 9:30AM
The Role of District Energy in Decarbonizing Heating & Cooling in Cities
Dr. Stefan Blum and Peter Garforth, PE, Principal, Garforth International llc

9:30 - 10:00AM
Decarbonizing the Built Environment
Nicolas Bosse, Chief Energy Transition Officer, BrainBox AI

10:00 - 10:30AM
Building the Human Infrastructure for Transforming Cities
Chad Richert, Henry Ford College and Herb Sinnock, Director of Sustainability, Sheridan College

10:30 - 11:00AM
Decarbonizing Our Transit Systems - The Road to Zero Carbon
Bruno Fiorentino, VP Facilities & Infrastructure, Burns Engineering

TRACK G
ROOM: **C105**

SESSION G2

ENERGY/ CARBON MANAGEMENT IN AN INDUSTRIAL SETTING

CHAIR: Richard Gorze, CEM, CDSM, Global Energy Manager, Eaton Corporation

9:00 - 9:30AM
Leveraging Combined Energy Projects to Maximize ROI with Energy Efficiency Programs
Kenneth Flannery, MET, CEM, CBCP, Director of Engineering, Bender Energy Group, LLC

9:30 - 10:00AM
Power to the People: Unleashing Latent Power Capacity at Our Homes & Businesses
Rice Lummis, DIrector of Demand Response & Market Optimization, David Energy

10:00 - 10:30AM
Motors & VFDs - How They Work, Why They Fail, & What You Can Do
Thomas Sherman, CEM, CEA, CDSM, CCASS, President, Sustainable Energy Services, Inc.

10:30 - 11:00AM
Driving Decarbonization with an ISO 50001 Energy Management System
Ethan Rogers, Technology Manager, US Department of Energy

Thursday, September 22nd | Conference Tracks 9:00 - 11:00 am

TRACK H
ROOM: **C106**

SESSION H2

EPA: ENERGY EFFICIENCY FOR DECARBONIZATION

CHAIR: Walt Tunnessen, CEM, National Program Manager, US EPA Energy Star

9:00 - 9:30AM
Air Handling Unit Control Upgrade
Brett Rasmussen, PE, CEM, MCEA, Senior Energy Manager, Nissan North America, Inc.

9:30 - 10:00AM
AbbVie Corporate Energy Management
Peter Moran, Sustainability Program Manager, AbbVie

10:00 - 10:30AM
Compelling Energy Treasure Hunt Savings to Realize Net-Zero
Gary Williams, MBA in Sustainability & Renewable Energy, EE, IAC2, CMI, President, Carolinas Energy Associates, LLC

TRACK I
ROOM: **C107**

SESSION I2

THE BETTER PLANTS PROGRAM-EMISSIONS REDUCTION

CHAIR: John O'Neill, Technology Manager, Energy Efficiency & Renewable Energy, Advanced Manufacturing Office, U.S. Department of Energy

9:00 - 9:30AM
Martha Moore, Trane Technologies

9:30 - 10:00AM
Energy Innovation in Cold Storage: First-ever Deployment of Linear Generators & Onsite Solar
Jash Vora, Technical Project Manager, Lineage Logistics

10:00 - 10:30AM
Decarbonization of a Large Brownfield (Electrical Products) Manufacturing Facility
Barry Powell, North America Head of Seimens Electrical Products Business and Nickyle Milton, Program Manager, Seimens

10:30 - 11:00AM
Paulomi Nandy

TRACK J
ROOM: **C108**

SESSION J2

RENEWABLES & MICROGRIDS

CHAIR: Stephen Roosa, CEM, CMVP, REP, CSDP, BEP, CBCP, President, RPM Asset Management

9:00 - 9:30AM
Prosumers Driving the Decarbonization of Electricity Grids – Case Study
Samer Zawaydeh, Msc, CRM, REP, Lecturer, Al Hussein Technical University

9:30 - 10:00AM
Comparison of Energy Saving Strategies in a Residential Building Using a Photovoltaic Solar Installation with Energy Storage
Alberto Ramos, CEM, PhD, Professor, Universidad Politécnica de Madrid

10:00 - 10:30AM
Microgrids: Supporting an Evolving Energy Landscape
Eric Dupont, EVP & Chief Development Officer, PowerSecure, Inc.

10:30 - 11:00AM
The 3 R's of Microgrids - Resilient, Reliable & Renewable: Hybrid Microgrids & Net Zero Carbon
Joseph Martorano, Vice President Engineering, Northeast Western Energy Systems

TRACK K
ROOM: **C109**

SESSION K2

HYDROGEN

CHAIR: Fredric Goldner, CEM, CEA, President, Energy Management & Research Associates

9:00 - 9:30AM
Hydrogen for Decarbonization & Closing the Energy Gap
Timothy Harris, PE, Senior Project Manager, ENTRUST Solutions Group

9:30 - 10:00AM
Pradheep Kileti, PE, Director, Future of Heat Gas Engineering & R&D, National Grid

10:00 - 10:30AM
Hydrogen Blending into Residential & Commercial Combustion Applications
Yan Zhao, PhD, Researcher, GTI Energy

10:30 - 11:00AM
Will Hydrogen End the Fossil Fuel Era?
Dara O'Neill, National Sales Director, Material Handling, PowerPlug

TRACK L
ROOM: **AUDITORIUM 102**

SESSION L2

HEALTHY & EFFICIENT BUILDINGS

CHAIR: Timothy Unruh, CEM, PE, PhD, Executive Director, National Association of Energy Service Companies

PANELIST:

Cutting Edge Window Film Technology & Energy Modeling
Mark Carlson, Director of Engineering and Energy Services, NGS

Dan Schuman, Envocore

Healthy & Efficient Buildings
Brian McCommon, Director of Direct Sales, Metrus Energy, Inc.

Leveraging Software to Scale Energy Efficiency Projects
CP Pitones, Solutions Consultant, Yardi Systems, Inc.

Clearwater: Meeting the Clarion Call of Sustainability Through Renewables
Sol Haroon, EE, Technical Director - Renewables, McKim & Creed

TRACK M
ROOM: **C110**

SESSION M2

ENERGY MANAGEMENT AROUND THE WORLD

CHAIR: Conor Molloy, CEMi CMVP, Energy Trainer, Advisor, Auditor, AEMS ECOfleet

9:00 - 9:30AM
Energy Audit in a Bank Branch
Jose Samuel Monterroso, PhD, MA, PE, CEM, CGBE, Energy Manager, Servicios Energeticos e Ingenieria

9:30 - 10:00AM
Strategies to Decarbonize Buildings Across the World
Anna Harman, EIT, Climate Change Consultant, WSP Canada Inc.

10:00 - 10:30AM
Availability Index in LNG Bunkering Operations
Antonio Miranda Bonet, Head of Bunkering, Naturgy

10:30 - 11:00AM
Electrification of Heat in Buildings
Lukas Glaspell, Trane Account Executive, Trane Technologies

Speakers are subject to change and the most up to date information can be found online.

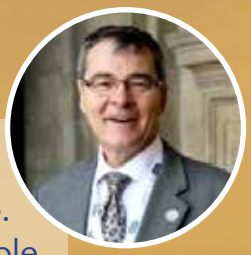
Panel Discussion

Thursday, September 22 | 2:30 - 4:30 pm | Georgia Ballroom 2

THE CURRENT STATE OF THE ENERGY INDUSTRY

Join industry leaders as they discuss the transition to a clean energy future. What does that mean, and how do we get there? Panelists will cover multiple topics under the main theme of resiliency and reliability including renewables and decarbonization, energy storage and microgrids, climate change, energy policy, the energy workforce, sustainable infrastructure, nuclear energy, cybersecurity, energy equity, transportation, and the role that energy efficiency plays in these vital sectors.

This is a "do not miss" event aimed at creating thoughtful discussion between AEE World attendees.



Tim Echols
Commissioner,
Vice-Chairman,
Georgia Public
Service Commission

Bentina Terry
Senior Vice President,
Customer Strategy
& Solutions,
Georgia Power

Dr. Yousef Alhorr
Founding Chairmen,
Gulf Organization
for Research &
Development (GORD)

Raheem Beyah, Ph.D.
Dean of the College of
Engineering, Georgia
Institute of Technology,
Southern Company Chair &
Co-Founder of Fortiphyd Logic

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You earn 3.3 CEU | 33 PDH | 6.6 AEE Credits for completing this program.
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CEM® — OCT 3-7

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Chicago, IL | Central Time for Virtual
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Virtual | Central Time
CMVP® — DEC 5-7

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Las Vegas, NV | Pacific Time for Virtual Attendance
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You earn 3.2 CEU | 32 PDH | 6.4 AEE Credits for completing this program.
Washington, DC | Eastern Time for Virtual Attendance
CBCP® — NOV 7-10

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CEM® — NOV 14-18

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In-Person | Las Vegas, NV
CEM® — DEC 5-9

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Online | Eastern
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Daily in the EXPO Hall

These presentations enable exhibit hall visitors and conference attendees to get face-to-face with the presenter on an informal basis to get in-depth information on new projects, data, and case studies.

On Water Consumption in the Deployment of Green Hydrogen (H2) Energy Storage and for Electric Power Generation
Suleiman Suleiman, Associate Research Scientist, Kuwait Institute for Scientific Research

Ice Storage Technology and It's Impact on Demand Charge of Commercial Buildings
Ayush Chobe, Student, University of Illinois, Chicago

Effects of Carrier Gas Flow Rate and ZSM-5 Catalyst on Yield and Quality of Bio-oil from Pyrolysis of Lignocellulosic Biomass using a Fixed Bed Reactor
Abdelhadi Hussein

Supporting the Network Integration of Renewable Energy Sources with Machine Learning Forecasting
David Markovics, AEE HSC President, AEE Hungarian Student Chapter/BUTE

Self-Healing Wind Turbine Blades Using Polymer Nanocomposites
Walaa Hussein Saadeh, Department of Mechanical Engineering, University of Wisconsin-Milwaukee

Shifting Towards Sustainability in the Middle East
Amal Jaradot, Senior ESG Analyst, Sustainability Excellence

Transportation Sector Transformation Case Study - Economic, Environmental, Social, and Cross-Sector Impacts
Dana Ibrahim, Jad Sunna, Hussein Emad, and Omar Al Farah, Energy Students at Al Hussein Technical University

Cavitation Treatment Through Areation Method
Ahmad Abdelhadi, PhD Student, Mechanical Engineering Department, University of Wisconsin-Milwaukee

Sustainable Development Empirical Energy Case Studies
Terrence Rollins, Project Manager, RHC Global Energy Solutions

Electrification of Heat: How to Produce Building Heat with Low, to No Carbon
Lukas Glaspell, National Account Executive, Trane Technologies

SF6 Leak Reduction Strategies for High-Voltage Substations
Mohammed Ibrahim, Associate Substation Engineer, Leidos

Power Reclamation of Utilizing Micro-Hydro Turbines in Wastewater Treatment Plants' Aeration Basins
Abdel Rahman Salem, PhD Candidate, University of Wisconsin-Milwaukee

J-Shaped, H-type Vertical Axis Wind Turbine Optimum Design
Omar Habash, M.S. Candidate, Mechanical Engineering, University of Wisconsin-Milwaukee

Performance of Hybrid Renewable Energy Power System for a Residential Building
Mohammed Qandil, Application Engineer, PhD Holder, Terma-Stor, University of Wisconsin-Milwaukee

Municipality Waste Management Energy Conservation Measures Economic, Environmental, Social Impact: Case Study
Owais Ogdeh, Aya Mousa, Asma Khasawneh, and Dareen Habash, Students, Al-Hussein Technical University

Green Hydrogen- Towards Decarbonizing the Energy Transition
Hussam Al-Manasir, Sadeel Al-Ra'oush, Ghaith Hyari, Students, Jordan University of Science and Technology (JUST)

Techno-Economic Impact of Solar PV Systems on the Industrial Sector Profitability
Abdelnaser Dwaikat, General Manager, Msader for Energy Systems

Industrial Sector Transition into Clean Energy - Economic, Environmental, and Sustainable Development - Case Study
Ramzi Almashny, DTE Energy, Interconnection Engineer

Optimizing Storage in Wind Energy
Mallak Al Rai, Business Development Analyst, Solarabic DMCC

Energy Storage Systems for EVs and Grid Impact
Sandy Miguel, Student, Dr. Majd Ghazi Batarseh, Associate Professor, Princess Sumaya University for Technology

Energy Harvesting Using Alternator Installed on Sport Machine
Maen Thabet, Lead Mechanical Engineer, Wylie Engineering

Environmental Equity Assessment of Texas Using EPA's EJScreen Data
Kameel J. Kishek, Student, University of Texas at Austin

Exhibitor Forums

Wed., Sept. 21st

11 am | **Onset**
Taryn Picard, Senior Manager, US Direct Sales/Global Product Marketing Manager. Visit their Booth #416.

11:30 am | **BrainBox AI**
Greg Barnes, Senior Sales Director, Andy Cunningham, Solutions Engineer.
Visit their Booth #206.

1 pm | **Sky Foundry**
Roger Quesnel, COO.
Visit their Booth #312.

Thur., Sept. 22nd

11 am | **FT Energy Controls**
Richard C. Furman, Chief Executive Officer.
Visit their Booth #335.

11:30 am | **Better Plants**
Kristina Armstrong, R&D Assistant Staff member.
Visit their Booth #435.

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BOOTH # 212

Friday, September 23rd | Conference Tracks 9:00 - 11:00 am

TRACK A
ROOM: **C205**

SESSION A3

JUSTIFYING YOUR PROJECTS - FROM FINANCING & INCENTIVES TO CARBON REDUCTION GOALS

CHAIR: Jacob Goldman, LEED, AP, Vice President, Energy Tax Savers, Inc. d/b/a R&D Tax Savers

9:00 - 9:30AM
The Implications of the Inflation Reduction Act (IRA) for the Energy Industry
Jacob Goldman, LEED, AP, Vice President, Energy Tax Savers, Inc. d/b/a R&D Tax Savers

9:30 - 10:00AM
Financing Projects
Bernard Brown, Chief Operating Officer, Empire Diversified Energy

10:00 - 10:30AM
Allan Federman, VHA Energy Engineer, Veterans Health Administration

10:30 - 11:00AM
Case Studies In Municipal Solar Programs
Michael Chanin, Chief Executive Officer, Cherry Street Energy

TRACK B
ROOM: **C204**

SESSION B3

SUCCESS STORIES

CHAIR: Samar Al-Tekreeti, MSc. SDBE, Certified LEED GA, CEM, CEA, PCF, International Project Director, The Association of Energy Engineers

9:00 - 9:30AM
NZE at Cost Parity
Kiersten Washle, CEM, LFA, LEED Green Associate, ActiveScore AP, Building Science Engineer, CMTA and Anya Welch, LEED Green Associate, WELL AP, High-Performance Sustainability Engineer, CMTA Inc.

9:30 - 10:00AM
ADTRAN - Energy Management Success Story
Kelley Whalen, EEP, Facilities Supervisor - Energy Management, ADTRAN

10:00 - 10:30AM
Energy Efficiency through Performance Indicating Tool
Zaki Mohammed Ahmed, Director Sustainability Advisory, Gulf Organization for Research & Development

10:30 - 11:00AM
Success in Pakistan
Abdelnaser Dwaikat, General Manager, Msader for Energy Systems

TRACK C
ROOM: **C210**

SESSION C3

LIGHTING 101

CHAIR: Robert Meier, PE, Business Development Manager, SourceOne

9:00 - 9:30AM
Smart Strategies in Replacing Lighting in a Municipal Infrastructure
Srinivasan Nagarajan, CEA, LEED AP, Principal Consultant, Hansa Energy Solutions

9:30 - 10:00AM
Sustainable Solutions for UVC & Lighting
E. W. Dovel, CEM, BOC, Level 1 and 2 Instructor VP, Public Sector, Orion Energy Systems, Inc.

10:00 - 10:30AM
Enterprise Transformation Driven by Wi-fi Occupancy
Sean Hyland, Data Scientist, American Family Insurance

10:30 - 11:00AM
Maxwell Keith

TRACK D
ROOM: **AUDITORIUM 101**

SESSION D3

ENERGY MANAGEMENT 103

CHAIR: Davetta Thacher, Senior Project Manager, NYSERDA

9:00 - 9:30AM
HVAC 101
John Nott, PE, BEMP, CEM, LEED Green Associate, CMVP, Principal, TLC Engineering Solutions

9:30 - 10:00AM
Motors & Drives 101
Thomas Lanzilotta, CEM, CEA, Campus Sustainability & Energy Manager, Stony Brook University

10:00 - 10:30AM
Heat Pumps & VRF 101
Adam Romano, CEM, Senior Building Systems Consultant, Steven Winter Associates, Inc.

10:30 - 11:00AM
Most Basic Optimization Opportunities Associated with Boilers & Burners
Asit Patel, President, ANP Energy Consulting Services Corp.

TRACK E
ROOM: **C103**

SESSION E3

M&V

CHAIR: Michael Langton

9:00 - 9:30AM
Implementing Large-Scale Corporate Wide Energy Efficiency Program - Challenges & Lessons Learned
Vaibhav Gragani., PE, CEM, LEED AP, Director, Environmental, Social, Governance, Universal Health Services

9:30 - 10:00AM
Excellent International Replicable Models of Climate Crisis Resolution for Energy Managers
Arun Jhaverti

10:00 - 10:30AM
Panel Discussion and Q&A

TRACK F
ROOM: **C104**

SESSION F3

PLANNING & CREATING NNZ NEIGHBORHOODS & CAMPUSES

CHAIR: Herb Sinnock, Director Sustainability, Sheridan College

9:00 - 9:30AM
Henry Ford College - Creating a Near Net Zero College & a Living Classroom
Reuben Bruckley, Director, Facilities, Henry Ford College and Nicholas Paseiro, CEM, LEED AP BD+C, LEED AP O+M, WELL AP, Sustainability Coordinator, Henry Ford College

9:30 - 10:00AM
Rutgers University – Creating a Pathway to Zero Emissions for our 275th Anniversary in 2041
Michael Kornitas, CEM, LEED, Director Sustainability and Energy, Rutgers University

10:00 - 10:30AM
Sheridan College - Catalyzing Breakthrough Community Energy & Climate Implementation
Herb Sinnock, P.Eng., CEM, CMVP, CBCP, Director - Sustainability, Sheridan College

10:30 - 11:00AM
Panel Discussion: Rapid Decarbonization of Campuses - What Are the Keys to Success?

TRACK G
ROOM: **C105**

SESSION G3

INDUSTRIAL ENERGY OPTIMIZATION, MANAGEMENT, & MEASUREMENT FOR EFFICIENT OPERATIONS

CHAIR: Adil Khan, BSEE, MBA, Applications/ R&D Engineer, TransPower company

9:00 - 9:30AM
Consumers Energy Industrial Energy Management Program
Jerry Zolkowski, PE, CEM, CMVP, Principal Engineer, Consumers Energy/DNV

9:30 - 10:00AM
Seriously! IPMVP Option D for Industrial? - Yes, We Can
Jon Feldman, CEM, CMVP, BSc. Eng. (Chem.), Member AEE Hall of Fame, Senior Technical Officer, Industrial Energy Efficiency, IESO Ontario

10:00 - 10:30AM
Energy Optimization in Tire Manufacturing
Kimm Jarden, CEM, CAP, CWEP, Global Energy Manager, The Goodyear Tire & Rubber Company

10:30 - 11:00AM
Industrial Energy Management to Reduce Operating Costs
Adil Khan, BSEE, MBA, Applications/R&D Engineer, TransPower company

Friday, September 23rd | Conference Tracks 9:00 - 11:00 am

TRACK H
ROOM: **C106**

SESSION H3

COMPRESSED AIR BEST PRACTICES

CHAIR: Richard G. Lubinski, CEM, President, Think Energy Management LLC

9:00 - 9:30AM
15 Common Compressed Air System Mistakes to Avoid
Albert Williams, CEM, CEA, CIEP, CMVP, REP, CAP, BEP, CLEP, AEW Energy

9:30 - 10:00AM
Automaker Outsources Compressed Dry Air Under a Performance Contract
Wendy DiMino, Universal Compressed Air & Tim Sohnlein, Universal Compressed Air

10:00 - 10:30AM
Overview of Compressed Air Energy Automation Projects at 3 Automotive Plants
Lou York, PE, Director, Case Engineering (CaseIZ)

10:30 - 11:00AM
Jeffry Khan, President, CAM Technologies

TRACK I
ROOM: **C107**

SESSION I3

THE BETTER PLANTS PROGRAM - WATER / WASTE REDUCTION

CHAIR: Robert Lung, CEM, Senior Technical Advisor, U.S., Department of Energy (BGS-LLC)

9:00 - 9:30AM
Marco Gonzalez

9:30 - 10:00AM
General Motors - Designing for a Zero Waste Industry
Cory Tatarzyn, Global Zero Waste Program Manager, General Motors

10:00 - 10:30AM
Subodh Chaudhari

TRACK J
ROOM: **C108**

SESSION J3

EVs & TRANSPORTATION

CHAIR: Matt Haakenstad, PE, CEM, CMVP, Sr. Director, Electric Services, World Kinect Energy

9:00 - 9:30AM
Electric Vehicle Residential Charging Infrastructure. Is Your Home Ready?
Keith Waters, PE, CEM, Manager, Industry Standards, Schneider Electric

9:30 - 10:00AM
Dynamics of the Global Electric Vehicle Market
Ron Miller, PE, CEM, REP, MBA, Principal, Reliant Energy Solutions LLC

10:00 - 10:30AM
EV Charging & Grid Impacts: A Utility Perspective
Lincoln Wood, Electrification Policy Manager, Southern Company

10:30 - 11:00AM
Energy One & AATC at the World's Busiest Airport - 3 Concourses Off the Grid
Graham Thornstein, Chief Technology Officer, Energy One Consulting and Gary Merrow, Vice-President of Facilities at American Airlines Terminal Company

TRACK K
ROOM: **C109**

SESSION K3

BLOCKCHAIN / BITCOIN / BIG DATA / IoT

CHAIR: Alain Aoun, PE, PhD, CEM, CBCP, CMVP, CEA, CLEP, PCF, CAP, REP, BEP, COO - Partner, Blockchain Leaders

9:00 - 9:30AM
Autonomous Buildings - Unlocking Energy Efficiency & Smart Cities
Troy Harvey, CEO, PassiveLogic

9:30 - 10:00AM
Strategic Strategies for Energy & Carbon Reduction
Steven Driver, Ph.D., Engineer and Energy Manager, Sanofi

10:00 - 11:00AM
Panel Discussion and Q&A

TRACK L
ROOM: **AUDITORIUM 102**

SESSION L3

HEALTHY INDOOR AIR QUALITY

CHAIR: Alex Mikszewski, PE, CEM, Principal, Wood plc

9:00 - 9:30AM
Energy & IAQ Impacts of Duct Leakage in Commercial Buildings
John Harrington, PE, CEM, LEED AP, Director of Commercial Application Engineering, Aerosol, LLC

9:30 - 10:00AM
Beyond Air Changes Per Hour: Applications of CFD Modeling for Effective & Energy-Efficient Ventilation
Alex Mikszewski, PE, CEM, Principal, Wood PLC

10:00 - 10:30AM
Quickly Collecting Data in Aging Buildings to Identify Ventilation & Other Performance Gaps
Matt Schaubroeck, MBA, CEO, ioAirFlow

10:30 - 11:00AM
Aquis

TRACK M
ROOM: **C110**

SESSION M3

ENERGY MANAGEMENT AROUND THE WORLD

CHAIR: Ziad Haddad, PE, CEM, CBCP, CWEP, CAP, PCF, Senior Director of Physical Plant, Lebanese American University

9:00 - 9:30AM
2015-2030 Energy Roadmap to be a Leader for Energy Efficiency in the Catalan Hospital Sector
Marc Maso, CEM, CEA, CMVP, PCF, CTO, Energy Manager, Proisotec Energia SL

9:30 - 10:00AM
Making the Most of Hydroelectric Sites' Operations: A Sustainable Approach
Javier Ojeda, P.Eng., MBA, CEM, REP, PMP, Owner, Principal Engineer, Hysovent Limited

10:00 - 10:30AM
Moving from a Rule based FDD system to a AI based Chiller Optimization Platform – Case Study from a Large Commercial Complex in Toronto
Kaushik Bhattacharjee, CEM, CMVP, CEA, MS Energy Management, President, Reipower Inc

10:30 - 11:00AM
Implications of Variable Air Volume Flow & Occupancy Diversity on Office Building Energy Efficiency
K. J. Sreekanth, PhD, Research Scientist, Kuwait Institute for Scientific Research

Speakers are subject to change and the most up to date information can be found online.

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2023 ENERGY EVENTS

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SCAN ME

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AEE World Technology Expo

Wednesday, Sept. 21st | 10:30 am - 6:00 pm | Thursday, Sept. 22nd | 10:00 am - 2:30 pm

Abraxas Energy Consulting
Booth #313

Accuenergy
Booth #407

Aeroseal
Booth #413

Alta Enterprise
Booth #122

AQUIS
Booth #308

Better Plants
Booth #435

BrainBox AI
Booth #206

CAM Technologies
Booth #400

Carlo Gavazzi, Inc.
Booth #410

Coffee
Booth #331

Creative Solar
Booth #230

CROM
Booth #339

CWEEL
Booth #117

Demtroys International
Booth #131

DN Tanks
Booth #213

ElectraTherm by Bitzer Group
Booth #128

EMPEQ
Booth #409

Energy and Water Efficiency
Booth #211

EnergyCAP, LLC
Booth #201

FT Energy Controls
Booth #335

GORD
Booth #217

Granite Telecommunications
Booth #300

Green Building Holdings/SIG
Booth #336

Honeywell Building Management Systems
Booth #126

Hydraulic Institute
Booth #113

IEEE SA
Booth #108

Industrial Assessment Centers & WE²
Booth #434

ioAirFlow
Booth #310

I-Star
Booth #107

NEO | Net Energy Optimizer
Booth #207

Onset - HOBO Data Loggers
Booth #416

Orion Energy Systems, Inc.
Booth #418

PlanLed, Inc.
Booth #426

Regency Lighting
Booth #323

Retrolux
Booth #311

River Publishers
Booth #417

SATEC, Inc.
Booth #430

SkyFoundry
Booth #312

Southern Company
Booth #101

SWEP North America, Inc.
Booth #411

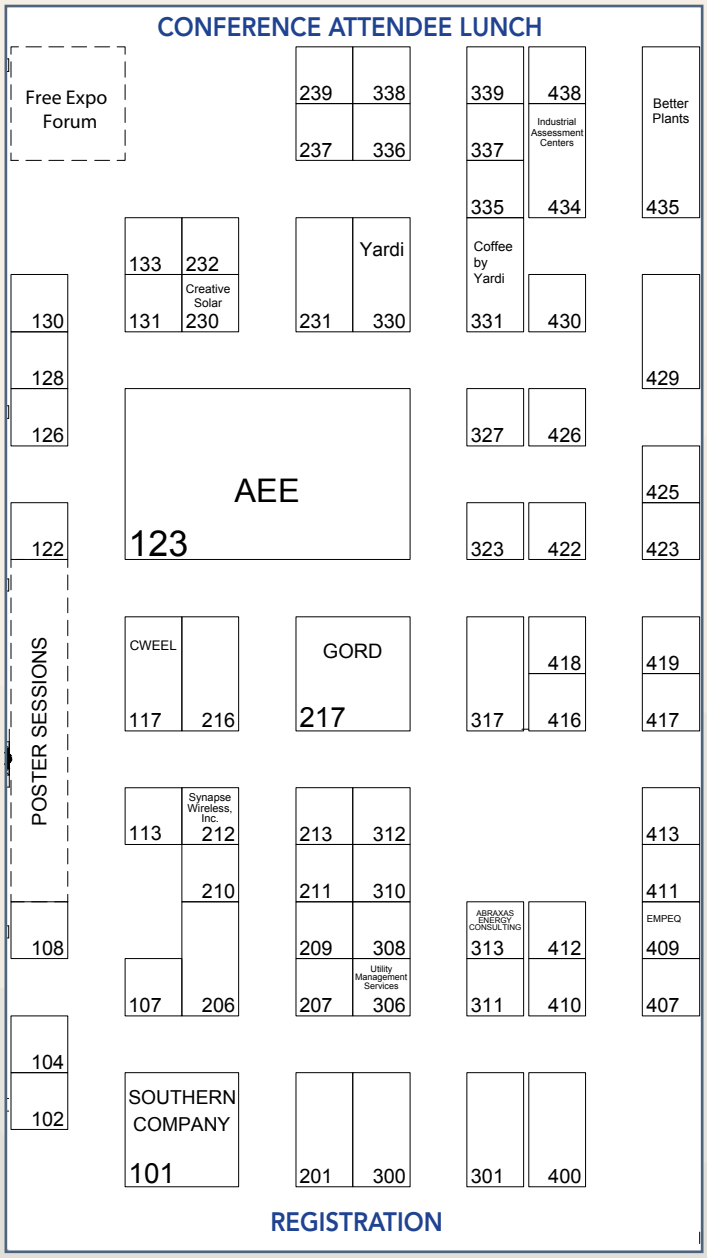
Synapse Wireless
Booth #212

TLC Engineering Solutions
Booth #104

Tosibox, Inc.
Booth #338

Floorplan and Exhibitors

Hall C1



U.S. Green Building Council
Booth #429

UtilityGenius powered by Encentiv Energy
Booth #425

Utility Management
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XPEL, Inc.
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Yardi
Booth #330

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