

WORLD

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 #AEEWorld

Conference Program

September 25-27, 2019

Walter E. Washington Convention Center



Welcome from AEE
Bill Kent, CEM
Executive Director
Association of Energy Engineers
9:00-9:10 am



Lessons from the Large Scale Greening of China
Peggy Liu
Chairperson Joint US-China Collaboration on Clean Energy
9:10-9:55 am



Engineering the Exciting New Future
Christiana Figueres
Founding Partner, Global Optimism, Convenor of Mission 2020 & Former Executive Secretary of UNFCCC (2010-2016)
9:55-10:40 am

Get the App!



Instructions Inside

Wed. Sept. 25
Start Here

Special Event Details Inside

7:30 - 8:30 am

Innovative Technology Breakfast

Salon GH and Prefunction

8:00 - 9:00 am

Opening Session Coffee
Including the Annandale Brass Band and the Armed Forces Color Guard, followed by the Presentation of the Colors and National Anthem.

9:00 - 10:40 am

Opening Session Ballroom A
Industry Leaders & Keynote Speakers
Chaired by AEE President-Elect Samer Zawaydeh

10:00 am

Technology EXPO Opens
Exhibit Hall A

Defining a New Energy Future

Attend the Conference and Earn 1.2 CEU | 12 PDH | 2.4 AEE Credits

TRACK H ROOM: 152B	TRACK I ROOM: 152A	TRACK J ROOM: 151B	TRACK K ROOM: 151A	TRACK L ROOM: 150B	TRACK M ROOM: 150A	TRACK N ROOM: 149AB
Industrial Energy Management	EPA Industrial Energy Management	The Better Plants Program	Renewable Energy & Sustainable Development	Emerging Energy Trends	Big Data & IoT	Energy Management Around the World
SESSION H1	SESSION I1	SESSION J1	SESSION K1	SESSION L1	SESSION M1	SESSION N1

Energy Management Applications in Industrial Setting
 Chair: Richard Gorze, CEM, CDSM, Global Energy Manager, Eaton Corporation
2:30 - 3:00PM How Industrial Energy Projects Get Done
 Jerry Zolkowski, PE, CEM, Principal Engineer, DNV GL/ Consumers Energy Program
3:00 - 3:30PM Lessons Learned from Industrial Auditing
 Kevin P. Vidmar, Vice President, Energy Services, Loureiro Engineering Associates
3:30 - 4:00PM Energy Management Helps Paper Mill's Bottom Line
 Christopher Stump, CEM, Vice President, Manufacturing & Energy Market, CHA Consulting, Inc.
4:00 - 4:30PM Technical Operation of a new Biotechnology Manufacturing Facility - Turning the Business Case into Reality
 Steven P Driver, PhD, Global Energy Program Manager, Sanofi

The Role of Energy Programs in Sustainability
 Chair: Bhaskar Dusi, P. Eng, CEM, CEA, Corporate Energy Manager, CEMEX USA
2:30 - 3:00PM Celanese Water Program Has Energy Impacts
 David Reid, CEM, Senior Manager Energy and Productivity, Celanese Corporation
3:00 - 3:30PM Value of Decarbonization in Auto Industry
 Alfred J. Hildreth, PE, CEM, Global Energy Manager, General Motors Company
3:30 - 4:00PM Colgate-Palmolive: Energy, Climate & Sustainability
 Casey Mahalick, Senior Technical Associate- Environmental Sustainability, Colgate-Palmolive Company
4:00 - 4:30PM A Culture Change in Energy Efficiency - Why Branding Matters
 Walt Tunnessen, CEM, National Program Manager U.S. EPA ENERGY STAR and Elizabeth A. Dutrow, CEM, Physical Scientist, US EPA ENERGY STAR

Waste Not, Want Not: Waste Reduction and the Circular Economy
 Chair: Eli Levine, CEM, Advanced Manufacturing Office, U.S. Department of Energy
2:30 - 3:00PM The Better Buildings/Plants Waste Pilot: An Overview
 Bruce Lung, CEM, Industrial Technical Assistance Fellow, U.S. Department of Energy
3:00 - 3:30PM Working Towards Circular: Efforts the Biopharmaceutical Company Bristol-Myers Squibb is Taking to Remove and Reduce Waste
 Victoria Emerick, Director Global Environmental, Health, Safety, and Sustainability, Bristol-Myers Squibb
3:30 - 4:00PM
 Lori Driver, Sustainability Manager, Flowers Foods
4:00 - 4:30PM
 Mark Pannell, Environmental Manager, Volvo Group Trucks

Water Conservation and Opportunities from Waste Water
 Chair: Maryanne McGowan, Consultant, Retired, Duke Energy, and Asit Patel, CEM, CEA, EBCP, President, ANP Energy Consulting Services Corp.
2:30 - 3:00PM The Codependence of Water and Energy: Macro View
 Russ Horner, President, Water Management, Inc.
3:00 - 3:30PM The Codependence of Water and Energy: Micro View
 Tom Horner, Vice President, Water Management, Inc.
3:30 - 4:00PM Wastewater Energy Transfer - Heat Exchanger Biofueling
 Stephen Condie, Chief Technology Officer & Head of Operations, Noventa Energy Partners
4:00 - 4:30 PM Energy Savings Opportunities in Water
 Jonah Schein, National Program Manager for Homes & Buildings, WaterSense Program, Office of Water, U.S. Environmental Protection Agency

Blockchain and Emerging Energy Trends
 Chair: Alain Aoun, CEM, BEP, CBCP, CEA, REP, CMVP, CLEP, Managing Director, Alain Aoun & Partners
2:30 - 3:00PM Blockchain Application in Energy Performance Contracting
 Alain Aoun, CEM, BEP, CBCP, CEA, REP, CMVP, CLEP, Managing Director, Alain Aoun & Partners
3:00 - 3:30PM Integration Strategies in Net Zero and High Performance Facilities
 Jason F. Fierko, PE, CEM, LEED AP, Principal, Mechanical Engineer, EwingCole & Anthony Arnone, PE, CEM, LEED AP, Associate, Electrical Engineer, EwingCole
3:30 - 4:00PM Building Efficiency Targeting Tool for Energy Retrofits (BETTER)
 Carolyn Szum, Program Manager, Assistant China Energy Group Lead, Lawrence Berkeley National Lab
4:00 - 4:30PM The Imperative for Energy Resilience Across U.S. Healthcare Systems
 Kate Sherwood, Vice President, Head of Sales, Centrica Business Solutions

Building Analytics
 Chair: Keith Waters, PE, CEM, Manager, Industry Standards, Schneider Electric
2:30 - 3:00PM How Utilizing Building Analytics Can Reduce Energy Consumption
 Keith Waters, PE, CEM, Manager, Industry Standards, Schneider Electric
3:00 - 3:30PM Turn Your Data into a Crystal Ball
 Julianne Rhoads, CEM, Senior Data Analyst, Cimetrics, Inc.
3:30 - 4:00PM Concurrent Model-Based Anomaly Detection and Diagnosis
 Ricardo Cid, VP of Engineering, Research, and Development, Prescriptive Data
4:00 - 4:30PM Lockheed Martin 2025 - The Future of Energy Management
 Devan Tracy, PE, CEM, LEED AP, Smart Building/ Energy Analytics Lead, Lockheed Martin

Energy Efficiency Around the World
 Chair: Alberto Ramos Millan, PhD, CEM, University Professor, Universidad Politecnica de Madrid
2:30 - 3:00PM The Latest Energy Development in Hong Kong - Affecting Asian Countries
 Dr. Leonard K. Chow, PhD, CEM, CBCP, CSDP, CIAQ, C, Managing Director, ISPL Consulting Ltd
3:00 - 3:30PM Energy Centered Maintenance - A Green Maintenance System
 Bashar Kassab, Senior Director, Facilities Management, Emaar Properties PJSC and Fadi Al Shakhshir, Director of Strategy and Compliance, Emaar Properties PJSC
3:30 - 4:00PM Energy Audit in a Cardboard Recycling Industry
 Jose Samuel Monterroso, PhD, MA, PE, CEM, CGBE, General Manager, ECONOVA, S.A.
4:00 - 4:30PM Hilti Italia: An Energy Efficiency Project in Construction and Energy Sector
 Francesca Marini, CMVP, Industrial Energy Manager, Studio Ing. Marini

Conference Tracks

2:30 - 4:30 pm

12 - 1 pm Student Networking Luncheon
 Salon GH

4:00 - 6:00 pm Networking Reception
 Expo Hall A

4:30 - 5:30 pm Meet the AEE Journal Editors in the AEE Member Booth

6:15 - 7 pm Banquet Reception and Fellows Presentation

7 pm - 10 pm International Awards Banquet
 Ballroom A

2020 Energy Events
Mark Your Calendars

AEE ENERGY
CONFERENCE & EXPO

East



Cincinnati, OH

April 21-22, 2020

Duke Energy Convention Center
east.aeecenter.org

AEE ENERGY
CONFERENCE & EXPO

West



Seattle, WA

June 24-25, 2020

Washington State Convention Center
west.aeecenter.org

AEE ENERGY
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WORLD



Denver, CO

Conference Sept. 23-25, 2020

Expo Sept. 23-24, 2020

Colorado Convention Center
world.aeecenter.org

AEE ENERGY
CONFERENCE & EXPO

Europe

*AEE's First
European Event*



Dublin, Ireland

Oct 28-29, 2020

Citywest Convention Center
europe.aeecenter.org