



**ChargeExpo.com**  
**E-MOBILITY, BATTERY & FLEET**  
 NOVEMBER 12, 2019 | SAN DIEGO, CA

**CHARGING INFRASTRUCTURE  
E-MOBILITY**

**BATTERY PACKS, SAFETY  
TESTING, MICROGRID**

**TE, INCENTIVES, H2,  
AIRPORT, FLEET**

**PRESENTING COMPANIES AT CHARGE EXPO OCT & NOV**




NOVEMBER 12, 2019 | SAN DIEGO, CA

**CHARGE EXPO CONFERENCE** will be held at the San Diego Convention Center, San Diego, California November 12, 2019.

**CHARGE EXPO** provides speaking and networking opportunities for regulators, manufacturers, installers, utilities and consultants of EV charging stations and infrastructure, batteries & storage, utility fleet, as well as ZEV & AFV. It showcases advanced technologies and strategies for compliance with SB-350 and for the transition of the transportation sector nationally.

**SB-350 DIRECTS CALIFORNIA REGULATORS** (CPUC, ARB, CEC, AQMD) to electrify buses, trucks, fleet and off-road equipment, with \$1 billion funded by the utilities SDG&E, SCE and PG&E.

**CHARGE EXPO** is a follow-up to the successful Symposium held on October 1 & 2, 2019 and Transportation Electrification (TE- EXPO) held February 2019 at the San Diego Convention Center. It is organized by the 23 year old annual Energy Utility Environment Conference (EUEC).

**SPEAKER FORMAT** Speakers use PowerPoint presentations - 20 minutes with 5 minutes for Q & A. Each session is 2 hours, with 6 speakers & 2 co-chairs. Speakers introduce themselves.

**NETWORKING LUNCH** Meet, network and connect with peers, expert speakers, engineers, utilities, end users, decision makers, and key leaders in the industry, and government.

**A**

### CHARGING E-MOBILITY

EV & DC FAST CHARGING  
CHARGING INFRASTRUCTURE  
EV EQUIPMENT SUPPLY  
WIRELESS & AUTONOMOUS  
FLEX & HI POWER CHARGING  
RESIDENTIAL & APPTS  
COMMERCIAL CHARGING  
E-MOBILITY, EVS & HEVS  
REMOTE DATA ACQUISITION  
MICRO & POWER GRID

**B**

### BATTERY, MICROGRID

ADVANCED BATTERY  
FUEL CELLS, LI-ION, H2, SAFETY  
SUPPLY CHAIN & OEM SUPPLY  
SUPER CAPACITORS, BMS,  
WIRELESS HARNESS & CABLES  
TEST BENCHES & ENV TESTING  
TRANSFORMER, INVERTER, PV  
VOLTAGE & RELAY PROTECT  
CALIBRATION & SAFETY  
CHARGES & PROTOTYPES

**C**

### TE, AIRPORTS, FLEET

ELECTRIC TRANSPORTATION  
CLEAN TRUCKS, BUSES & FLEET  
LI-ION, H2 FUEL CELLS  
SOLAR & ENERGY STORAGE  
AIRPORT EV CONVERSIONS  
INCENTIVES & REBATES  
GAS CYLINDERS & SAFETY  
OFF-ROAD EV, FORK LIFTS,  
ULTRA CLEAN LD/MD/HD,  
UTILITY FLEET , O&M SOFTWARE

## MISSION STATEMENT:

Facilitate information exchange and foster cooperation between industry, government, and regulators for the protection of our environment and energy security.

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TUESDAY NOV 12 | 7:30AM - 9:30AM

### A1: EV CHARGING INFRASTRUCTURE, DEVELOPMENT, GRID MOBILE POWER



#### A1.1: NEW DIRECTIONS IN DCFC INFRASTRUCTURE

John Cooper, VP Business Development, Tritium

**Co-Chair**



#### A1.2: STABILITY, RELIABILITY AND AVAILABILITY - EXTENDING OUR KNOWLEDGE OF EVSE IN OPERATION

Jeremy Huether, Lead Software Architect, EV Connect



#### A1.3: BEYOND THE SALE: NAVIGATING THE WORLD OF ELECTRIC VEHICLE CHARGING

Kash Sethi, Director of Sales, Motiv Power Systems, Co-Author, Jim Castelaz, CTO & Founder, Motiv

**Co-Chair**



#### A1.4: KEEP THE SYSTEMS WORKING AND AVAILABLE

Rue Phillips, President, 365-Pronto LLC



#### A1.5: TESTING POWER SUPPLY REQUIREMENTS FOR EV CHARGING SYSTEM TEST STANDARD

Brian Hsu, Product Marketing Manager, AC POWER CORP. (PREEN)

TUESDAY NOV 12 | 10 AM - 12 PM

### A2: AI, EV WIRELESS CHARGING, AUTONOMOUS & SMART EV



#### A2.1: EV WIRELESS CHARGING: DRIVING TO COMMERCIALIZATION

Tom Okada, Executive Director Business Development, Automotive - Japan, WiTricity

**Co-Chair**



#### A2.2: COST REDUCTION FOR LITHIUM ION BATTERIES: THE PROMISE OF NANO-STRUCTURED LMO CATHODES

Michael Boehm, VP Business, MOEV Inc



#### A2.3: WAVE - ADVANCING HEAVY-DUTY EV ADOPTION THROUGH WIRELESS CHARGING

Michael Masquelier, CEO, WAVE; Co-Author Jory Peppelaar



#### A2.4: WIRELESS POWER FOR AN AUTONOMOUS WORLD

Christian Zapf, CEO, ElixWireless



#### A2.5: CLOUD-BASED INTELLIGENT ENERGY MANAGEMENT FOR EV CHARGING

Chenrui Jin, Researcher, NEC Labs America; Co-Author Ratnesh Sharma

TUESDAY NOV 12 | 1 PM - 3 PM

### A3: EV & DCFC INFRASTRUCTURE E-MOBILITY, ADV TECHNOLOGIES



#### A3.1: AN ACCIDENTAL CUSTOMER EXPOSED A BIG PROBLEM FOR ELECTRIC VEHICLES

Jordan Ramer, CEO, EV Connect



#### A3.2: LEVERAGING EMBD TO ADAPT TO RAPIDLY CHANGING CHARGING INFRASTRUCTURE

Kevin Alley, Director of Programs, New Eagle; Co-Authors Eric Maciolek, Chip Doeden



#### A3.3: TRANSPOWER HD EV VEHICLE PROJECT UPDATE

Joshua Goldman, VP Sales and Marketing, TransPower



#### A3.4: PLANNING ELECTRIC VEHICLE CHARGING INFRASTRUCTURE FOR YOUR FLEET

Mike Usen, Electromobility and Resiliency Lead, DKS Associates



#### A3.5: EV CHARGER INSTALLATION: INSIGHTS FROM EVSPS AND SITE HOSTS

Amy Lastuka, Research Analyst, Center for Sustainable Energy

TUESDAY NOV 12 | 3:30 PM - 5:30 PM

### A4: EV CHARGING INFRASTRUCTURE INVESTMENT PLANNING IN MUD



#### A4.1: MULTIFAMILY PROPERTIES - DYNAMICS AND CHALLENGES

John Kalb, Founder, EV Charging Pros

**Co-Chair**



#### A4.2: EV CHARGING MULTI-UNIT DWELLINGS: CHALLENGES AND OPPORTUNITIES

Kevin Wood, Clean Transportation Specialist, Center for Sustainable Energy



#### A4.3: VEHICLE GRID INTEGRATION - CREATING VALUE THROUGH MANAGED EV CHARGING

Andrew Dillon, Senior Principal - EV Strategy, West Monroe Partners



#### A4.4: WHEN YOUR PARKING LOT BECOMES YOUR FUELING SITE

Warren Williams, Director, EV Business Development, Multiforce Systems


TUESDAY NOV 12 | 7:30AM - 9:30AM

**B1: RENEWABLE ENERGY TRANSPORTATION DECARBONIZATION**

	<b>B1.1: CENERGY SOLUTIONS' ANG TECHNOLOGY DELIVERS RENEWABLE ENERGY WORLDWIDE</b> Gary Fanger, CEO, Cenergy Solutions <b>Co-Chair</b>
	<b>B1.2: BLOCKCHAIN TECHNOLOGY TO INCREASE EV IMPACT ON CARBON REDUCTION</b> Andrew Kinaci, Manager, Energy & Utilities Practice, West Monroe Partners
	<b>B1.3 WASHINGTON MARITIME BLUE: DCARBONIZATION OF MARITIME TRANSPORTATION</b> Matt Koenig, Principal, Business Development - DER & Energy Storage, DNV GL
	<b>B1.4: DON'T FEAR THE REAPER: MARRYING RENEWABLE ENERGY AND SUPERFUND SITES</b> Matthew Dobbins, Senior Associate, Vinson & Elkins
	<b>B1.5: HOW MUCH OF WHAT (BATTERIES H2, ICE, VNG), HOW SOON?</b> Daniel Gabaldon, Roland Berger





TUESDAY NOV 12 | 10 AM - 12 PM

**B2: SAFETY & TESTING, EV EQUIP SUPPLY, AUTO TECHNOLOGIES**

	<b>B2.1: BATTERY SAFETY SENSORS AND EARLY THERMAL RUNAWAY DETECTION</b> Brian Engle, Transportation and Medical Segment Specialist, Amphenol <b>Co-Chair</b>
	<b>B2.2: TESTING SOLUTION FOR EV CHARGER (AC OR DC)</b> Brian Hsu, Product Marketing Manager, AC POWER CORP
	<b>B2.3: NAVIGATING THE COMPLEXITIES OF SAFETY CERTIFICATIONS AND REGULATIONS</b> Megan Vidal, Business Development, UL LLC
	<b>B2.4: THE ROLE OF LEAD BATTERIES IN ELECTRIC VEHICLES</b> Jeremy Cordray, Director, Original Equipment-Transportation, NorthStar Battery
	<b>B2.5: DISRUPTIVE IMPACT OF TECHNOLOGY IN THE AUTOMOTIVE INDUSTRY</b> Dan Lee, Manager, Management Consulting - Strategy & Operations Plante Moran





TUESDAY NOV 12 | 1 PM - 3 PM

**B3: MODULAR BATTERY PACKS, DC SWITCHING, FLEET APPLICATIONS**

	<b>B3.1: AMP HOURS RATINGS ARE VERY MISLEADING FOR TODAY'S APPLICATIONS</b> Jeremy Cordray, Director, Original Equipment-Transportation, NorthStar <b>Co-Chair</b>
	<b>B3.2: MODULAR BATTERY PACK DEVELOPMENT FOR PHEV AND BEV APPLICATIONS</b> Gael Chouchelamane, Chief Engineer, Ricardo; Co-Authors: Paul McGahan, Richard Ward, Owain Davies, Cedric Rouaud, Richard Gordon
	<b>B3.3: FLEXIBLE BATTERY PACKS THROUGH INTELLIGENT SWAPPABLE CELLS</b> Bert Holtappels, CEO, TankTwo
	<b>B3.3: THE UNDERESTIMATED CHALLENGE OF SAFE AND RELIABLE DC SWITCHING</b> Jim Tullo, Vice President, Schaltbau - North America

TUESDAY NOV 12 | 3:30 PM - 5:30 PM

**B4: VEHICLE TO MICRO GRID, SOLAR, EV CHARGING**

	<b>B4.1: EV CHARGING VIA DC MICROGRID IMPLEMENTATION AND "THE GRID OF GRIDS"</b> Tom Osterman, President, E-Merge Alliance <b>Co-Chair</b>
	<b>B4.2: MYTHBUSTERS - DEBUNK THE MYTHS AROUND CHARGING &amp; INFRASTRUCTURE</b> Desmond Wheatley, CEO, Envision Solar; Co-Authors David Greenfader, Vice President
	<b>B4.3: VEHICLE2GRID INTEGRATION: VALUING OPPORTUNITIES &amp; ASSESSING CHALLENGES</b> Matt Owens, Director Client Development - West Region, West Monroe Partners LLC
	<b>B4.4: MAKING THE CASE FOR LOW SPEED VEHICLES IN COMMERCIAL FLEETS</b> Jeff Esfeld, Director Sales & Business Development, Tropos Technologies

**TUESDAY NOV 12 | 7:30AM - 9:30AM**

### C1: TRANSPORTATION ELECTRIFICATION, EV CHARGING INFRASTRUCTURE



**C1.1: CONSIDERATIONS FOR FLEET ELECTRIFICATION INFRASTRUCTURE**  
Randal Kaufman, Sales Director, Transformative Technologies, Black & Veatch



**C1.2: EV CHARGING NETWORK STRUCTURE AND FINANCE**  
Morten Lund, Partner, Stoel Rives



**C1.3: PLANNING ELECTRIC VEHICLE INFRASTRUCTURE FOR YOUR COMMUNITY**  
Mike Usen, Electromobility and Resiliency Lead, DKS Associates

**Co-Chair**



**C1.4: ENGINEERING A REVOLUTION IN TRUCKING**  
Thomas Healy, CEO, Hyllion

**TUESDAY NOV 12 | 10 AM - 12 PM**

### C2: HYDROGEN TECHNOLOGIES, AIRPORT'S EV CONVERSIONS,



**C2.1: HYDROGEN: A PATH TOWARD SUSTAINABLE TRANSPORTATION**  
Jonathan Palacios-Avila, CEO/Co-Founder, StratosFuel, Inc



**C2.2: FUEL CELL AND HYDROGEN; A COMPELLING VALUE PROPOSITION FOR ZEV'S**  
Tim Sasseen, Business Development Manager, Ballard Power Systems

**Co-Chair**



**C2.3: HYDROGEN GAS TURBINE HYBRID SYSTEM FOR TRAINS AND FRIGHT TRUCKS**  
Joshua Partheepan, Assistant Professor, West Texas A&M University



**C2.4: FREIGHT ELECTRIFICATION - HOW PORTS CAN HELP TENANTS AND COMMUNITIES**

THOMAS MACLEAN, ENERGY PROGRAM DIRECTOR, PORT OF SAN DIEGO

**Co-Chair**



**C2.5: CHALLENGES AND LESSONS LEARNED FROM EV PROJECTS WITHIN PORT TERMINALS**

Fred Patricio, Project Manager, Port of Long Beach



**C2.6: LEVERAGING PUBLIC AND PRIVATE FUNDING: A PRIMER FOR ELECTRIFICATION**

James Dumont, Director, Ports and Fleets, Momentum; Co-Authors: Matt Hart, Shawn Garvey

**TUESDAY NOV 12 | 1 PM - 3 PM**

### C3: INCENTIVES, REBATES & CALE VIP CLEAN CITIES, EV CHARGING



**C3.1: MEDIUM- AND HEAVY-DUTY INCENTIVE PROGRAMS FOR ADVANCED TECHNOLOGIES**  
John Gordon, Project Manager, CALSTART, I

**Co-Chair**



**C3.2: CLEAN VEHICLE REBATE PROJECT: CLEAN ENERGY AND THE AUTO INDUSTRY COLLIDE**  
Joe Ficalora, EV Dealership Specialist, Center for Sustainable Energy®



**C3.3: THE FUTURE OF NATURAL GAS IN COLORADO: RENEWABLE NATURAL GAS**  
Diego Lopez, Northern Colorado Clean Cities



**C3.4: CALIFORNIA ENERGY COMMISSION SCHOOL BUS REPLACEMENT PROGRAM**  
Tomas Ortiz, Air Resources Engineer, California Energy Commission

**Co-Chair**



**C3.5: DEPLOYING CHARGING INFRASTRUCTURE FOR FLEET & WORKPLACE CONSIDERATIONS**  
Richard Teebay, Fleet & Transportation Specialist (Retired), County of Los Angeles

**TUESDAY NOV 12 | 3:30 PM - 5:30 PM**

### C4: E-MOBILITY, EV TECHNOLOGIES & SUSTAINABILITY & FLEETS



**C4.1: ELECTRIC-DRIVE TECHNOLOGY**  
Marilyn Tarbet, Director, New Business Development, Power Systems Research

**Co-Chair**



**C4.2: ELECTRIC MOBILITY INVESTING IN OPPORTUNITY ZONES**

Arnab Pal, Managing Director, Clean Infrastructure Advisors, and Jon Bonanno, CXO, New Energy Nexus; Co-Authors Danny Kennedy, New Energy Nexus; Cody Evans, Homecoming Capital; Craig Tighe, DLA Piper; Greg Rosen, High Noon Advisors

**Co-Chair**



**C4.3: LONG-TERM STRATEGY FOR A SUSTAINABLE TRANSITION TO ELECTRIFYING FLEETS**

Dat Truong, Director of New Mobility Solutions, Greenlots



**C4.4: RAPID EVC DEPLOYMENT USING COMPOSITE MOUNTING PADS**

Stephen Skiest, Market Development Manager, Charles Industries (an Amphenol Co)