
**J1. SB350 TRANSPORTATION ELECTRIFICATION**
- J1.1 UPCOMING CALIFORNIA ZEV REGULATIONS FOR HEAVY-DUTY VEHICLES
  - Paul Arniea, Air Resources Engineer, California Air Resources Board (CARB)
- J1.2 CLEAN ENERGY PATHWAY EFFORTS IN THE PORT OF LONG BEACH
  - Damon Harmsman, Sr. Advisor, Key Accounts, Southern California Edison
- J1.3 CLEAN AND ELECTRIC VEHICLES FOR BAY AREA DISADVANTAGED COMMUNITIES
  - Ramyee Chiang, Technology Implementation Officer, BAAQMD; Tin Le

**J2. ADVANCE CLEAN TRUCKS - AFV & ZEV & FLEETS**
- J2.1 TROPOS ABLE - HOW DOWNSIZING TO AN ECUV CAN SAVE THOUSANDS
  - Jeff Edsted, Director National Fleet Sales & Business Development, Tropos Technologies, Inc.
- J2.2 VIABILITY OF ELECTRIC VEHICLES IN THE LOGISTIC/TRANSPORTATION INDUSTRY
  - Heidi Roux, Director, New Business Development, Power Systems Research
- J2.3 THE ELECTRIFICATION OF COMMERCIAL TRANSPORTATION
  - Jim Coitazi, Co-Founder and CEO, Motiv Power Systems
- J2.4 IN-WHEEL ELECTRIFIED HUS FOR TRAILERS AND TRUCKS
  - Caleb Londer, Product Manager - Electrification, Coulee
- J2.5 MANAGING WITH ELECTRICITY
  - Kenneth Williams, Fleet Assets Superintendent, City of Kansas City / Aviation Department

**J3. EV, PHEV, HYBRID, FLEET SUSTAINABILITY**
- J3.1 PRELIMINARY ROUTING FOR A NATIONAL LABORATORY COMMUTING PROGRAM
  - Amy Moore, Transportation Planning Engineer, Oak Ridge National Laboratory
- J3.2 LOCAL GOVERNMENTS ROLE IN INCREASING EV ADOPTION IN SAN FRANCISCO BAY
  - Rebecca Finner, Staff Specialist, Bay Area Air Quality Management District; Mark Tang
- J3.3 THE ELECTRIC VEHICLE DISCOVERY CENTRE - EV MARKET TRANSFORMATION
  - Cara Clairman, President and CEO, Plug ‘n Drive; Davorka Cvilkovic

**J4. MICRO-GRIDS, NET METERING, UPS**
- J4.1 INTEGRATING ELECTRIC VEHICLE CHARGING INTO MICROGRID OPERATION
  - Ashir lli Hoq, Assistant Professor, National University of Sciences & Technology; Saifullah Awan, Arif Pervez
- J4.2 FAST DC CHARGING WITH MINIMUM GRID UPGRADE
  - Heeso Lee, General Manager, Energy Systems, AVM

**J5. FLEET & OFF-ROAD EQUIPMENT**
- J5.1 PRACTICAL BENEFITS AND LIMITATIONS OF ENERGY STORAGE
  - Carl Salas, Founding Principal, Salas O’Brien
- J5.2 FUTURE OF ELECTRIC & HYBRID-DRIVE SYSTEMS IN COMMERCIAL & OFF ROAD EQUIP.
  - Marilyn Torbati, Director, New Business Development, Power Systems Research
- J5.3 FIVE LESSONS FROM A DECADE OF EV FLEET MANAGEMENT
  - Matt Stevens, VP, Electric Vehicles, Geotab

**J6. ULTRA CLEAN LD/MD/HD**
- J6.1 A MACROECONOMIC ASSESSMENT OF TRANSPORTATION ELECTRIFICATION
  - Edward Con, Senior Research Analyst, Energy and Environmental Research Associates; Jared Winebra, Erin Green
- J6.2 DATA INSIGHTS - STAYING COMPETITIVE IN A CONNECTED VEHICLE WORLD
  - Gary Sticht, Vice President of Business Solutions, zenzos
- J6.3 HIGH EFFICIENCY, LOW EMISSIONS DRIVE MARKET ADOPTION OF THE OP ENGINE
  - David Johnson, President and CEO, Achates Power
- J6.4 RETROFITTING CLASS 3 HYBRID VEHICLES WITH ELECTROCHEMICAL CAPACITOR
  - Toshihiko Furukawa, Senior Manager / Global Engineering, United Chemi-Con, Inc.
- J6.5 LARGE FLEET ADOPTION OF ELECTRIC PROPULSION
  - Natalie Weimer, Marketing Manager, XL - The Fleet Electrification

**J7. UTILITY FLEET**
- J7.1 CHARGE THE NORTH - CHARACTERIZING ELECTRIC VEHICLE CHARGING PROFILES
  - Paul Stith, Director of Strategy & Innovation, Black & Veatch
- J7.2 ELECTRIC FLEETS: MOVING BEYOND PILOTS FOR THE REAL BENEFITS
  - Bob Crowe, Vice President Sales, Acme Auto Leasing; Joanne Cornier
- J7.3 GOVERNMENT VEHICLES - HOW TO AFFORD “GOING GREEN”
  - Paul Stith, Director of Strategy & Innovation, Black & Veatch
- J7.4 THE ELECTRIC VEHICLE DISCOVERY CENTRE - EV MARKET TRANSFORMATION
  - Cara Clairman, President and CEO, Plug ‘n Drive; Davorka Cvilkovic
- J7.5 LARGE FLEET ADOPTION OF ELECTRIC PROPULSION
  - Paul Stith, Director of Strategy & Innovation, Black & Veatch

**J8. CARB REGS, AB379, FLEET LAW, VW FUNDING**
- J8.1 VW FUNDING OPPORTUNITIES
  - Pat Croan, Air Pollution Specialist, California Air Resources Board (CARB); Patrick Chen
- J8.2 DIVIDEND - ACCOUNT PARENTING - FEASIBLE & ENFORCEABLE MITIGATION
  - Michael Bullock, Transportation Committee Chair, Sierra Club, Evolved Wireless, Inc.
- J8.3 LEVERAGING LOCAL SUPPORT WITHIN A GLOBAL SUPPLY CHAIN
  - Wesley Brandon, President, Climate Engineering Manufacturing Services
- J8.4 HYBRID AND ZERO-EMISSION TRUCK AND BUS VOUCHER INCENTIVE PROJECT - HVIP
  - Patrick Chen, Air Pollution Specialist, California Air Resources Board

**J9. ADVISORY BOARD & DESCRIPTION**
Monday | 1PM - 3PM
- Caleb Lander, Product Manager - Electrification, ConMet
- Jim Castelaz, Co-Founder and CEO, Motiv Power Systems

Tuesday | 7:30AM - 9:30AM
- Tuesday | 10AM - 12PM
- Tuesday | 3:30PM - 5:30PM
- Wednesday | 7:30AM - 9:30AM
- Wednesday | 10AM - 12PM
J1. EV CHARGING HYBRID & FLEETS
Monday | 1PM - 3PM

J1.1 HYBRIDIZATION OF COMMUTER PASSENGER RAIL
Dave Cook, CTO, Rail Propulsion Systems

J1.2 ELECTRICITY FLEETS: CAN IT BE DONE?
CO-CHAIR - Glenn Carver, VP of Sales, Green4Knowledge, Inc.; Tim Echols, State of Georgia

J1.3 LARGE BATTERY ENERGY STORAGE: STANDBY AND V2G
Paul Scott, VP - Advanced Technologies, TransferWoo, Joshua Goldman

J1.4 MODELING ENERGY-SAVING FREIGHT DELIVERY SCENARIOS
Amy Moore, Postdoctoral Research Associate, Oak Ridge National Laboratory

J1.5 EV TO GRID INTEGRATION: HOW IT WORKS, WHY IT MATTERS
Preston Roper, Chief Marketing & Operating Officer, Electrify America

J1.6 DRIVE ON SUNSHINE WITH ENVISION SOLAR'S 3V ARC
Lucia Albury, Marketing Manager, Envision Solar

J2. BATTERY, ENERGY STORAGE & TRANSPORTATION
Monday | 3:30PM - 5:30PM

J2.1 HEAVY RAILWAYS USE ENERGY STORAGE SYSTEMS FOR PASSENGER AND FREIGHT
Mon Yarnit, Research Engineer, Rail Propulsion Systems

J2.2 ELIMINATING THE HARM OF BUNDLED-COST OR BUNDLED-BENEFIT CAR PARKING
CO-CHAIR - Michael Butts, Transportation Advisor, Evolved Weeke's, Inc.

J2.3 OPTIMIZING POWER PLANTS USING ENERGY STORAGE SYSTEMS
Data BI Savvy, Director, Thermal Power Solutions, Siemens Energy Inc.

J2.4 LI-ION BATTERY SAFETY MONITORING
Steve Cummings, Sr. Applications Engineer, Nexceris, Nick Frank, Scott Swartz, William Conlon

J2.5 ROLLING ENERGY STORAGE-ELECTRIC VEHICLE * CHARGING
Kevin Wood, Transportation Specialist, Center for Sustainable Energy

J2.6 HIGH UTILIZATION LOCAL ACCESS (HULA) DEPLOYING THE TRANSPORTATION AS A SERVICE MODEL
Peder Nodtveidt, and Angus Clark, CEO HulaCar

J2.7 ELECTRICITY THE FUTURE ELECTRIC VEHICLE CHARGING INFRASTRUCTURE
Nicole Levandowski, Sales Manager, SemiConnect

J3. ENERGY STORAGE SYSTEMS
Tuesday | 7:30AM - 9:30AM

J3.1 IMPLICATIONS DUE TO THE ABSENCE OF USE CASE TESTING STANDARDS
Cory Schaeffer, Senior Consultant, Liability Engineering

J3.2 THE VALUE OF ORPANOLITY IN DEPLOYING GRID STORAGE
CO-CHAIR - Max Hamilton, CEO, Lumina Decision Systems; Kimberly Mullins

J3.3 RECENT ENERGY STORAGE PROJECTS COMPLETED AT SOUTHERN CALIF. EDISON
Jennifer Lee, Principal Manager, Emerging Technology & vaculon (ETV), Southern California Edison

J3.4 PLANNING FOR INTELLIGENT DISPATCH OF ES
John H. Hadley, Industry Alliance Officer, University of California San Diego

J3.5 SOLAR BATTERY PACK - DEMAND SIDE MANAGEMENT PROGRAM
Jimmy Kim, CEO, Solarbatter, Inc., Coa

J4. BATTERY PACK DSM GRID & STORAGE
Tuesday | 10AM - 12PM

J4.1 CHALLENGES IN UB MATERIAL DEVELOPMENT FOR ENERGY STORAGE APPLICATIONS
CO-CHAIR - Dee Shah, Chief Scientific Officer, Wildcat Discovery Technologies

J4.2 OPERATIONAL CHANGES ON LIFE AND PERCEPTION
Taylor Kelly, Director of Energy Storage, Intertek

J4.3 MODELING AND EVALUATING HYBRID SOLAR-HYDROGEN FUEL CELLS
Brian Kanal, Assistant Professor, New York Institute of Technology; Nicholas Vecchiarelli

J4.4 DEPLOYMENT OF ES'S DYNAMICS BATTERY & REAPING ECONOMIC BENEFITS IN CA
Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

J4.5 EV CHARGING STATIONS IN SAN DIEGO BUILDINGS
David Galacha, Relations Ambassador/MultiFamily Properties, Verdani Partners

J4.6 TESLA POWER WALL - FEASIBILITY WITH DEMAND CHANGES
John Perkins, Perk Solar

J5. EV, STORAGE & ONSITE POWER
Tuesday | 1PM - 3PM

J5.1 MAINTAINING SYSTEM VOLTAGE WITH BATTERY STORAGE
Joe Brown, Head of Aftermarket Sales, Mitsubishi Hitachi Power Systems America

J5.2 VANADIUM FLOW BATTERY - LONG TERM ENERGY STORAGE ASSET (INVITED)
CO-CHAIR

J5.3 TRUE LONG DURATION ENERGY STORAGE (INVITED)
CO-CHAIR

J5.4 BATTERY SYSTEM DEVELOPMENT: ADDRESSING KEY TOPICS IN TERMS OF SAFETY (INVITED)
CO-CHAIR

J5.5 LINKER-CONTROLLED POLYMERIC PHOTOCATALYST FOR HIGHLY EFFICIENT HYDROGEN PRODUCTION (INVITED)
Bill Leighty, Director, The Leighty Foundation; Jack Swearengen, David White, Matthew Barnett

J5.6 HYDROGEN AS ENERGY STORAGE MEDIUM AND FUEL FOR SIGT (INVITED)
Joshua Partham, Assistant Professor, West Texas A&M University, Emily Hunt

J6. ENERGY STORAGE TECHNOLOGIES
Tuesday | 3:30PM - 6:30PM

J6.1 ENERGY STORAGE < $ 1.00 / kWh CAPEX: HYDROGEN & AMMONIA FUELS
CO-CHAIR - Bill Leighty, Director, The Leighty Foundation

J6.2 LIFE AND SAFETY OF LITHIUM-ION
Taylor Kell, Director of Energy Storage, Intertek

J6.3 ENERGY STORAGE AT GROUNDWATER BANKS
Mark Boulker, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

J6.4 HYDROGEN AS ENERGY STORAGE MEDIUM AND FUEL FOR SIGT (INVITED)
Joshua Partham, Assistant Professor, West Texas A&M University, Emily Hunt

J6.5 ECONOMIC DISPATCH OF LIQUID AIR POWER & STORAGE
CO-CHAIR

J6.6 INCREASE GRID RESILIENCY AND COMBAT EXPENSIVE PEAK DEMAND CHARGES
Carina Mehluf, General Manager & Founder, Sharp's Energy Systems and Services Group

Workshop 3 - Room 3: Fundamentals and Practical Aspects of Waste Heat Recovery Wednesday March 7, 2018 (7:30 to 4 pm)
Clement Joly, SoftInWay
Email: Clement.Joly@SoftInWay.com
Phone: 316-680-0839
This workshop will provide engineers working in the energy and utility space with a better understanding of what waste heat recovery systems are in the context of nuclear, fossil and renewable energies. The workshop will cover everything from assessment, opportunities, development and challenges for waste to energy processes to fluid properties and selection while diving into thermodynamic cycles and design of waste heat recovery system components using both theoretical and real-life examples.

TO REGISTER FOR THIS WORKSHOP
CONTACT: info@euec.com
COST $300 for EUEC registrants

EUEC 2018 - Max Henrion, CEO, Lumina Decision Systems; Kimberly Mullins
- Dee Strand, Chief Scientific Officer, Wildcat Discovery Technologies

EUEC 2018 - Will Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - Bill Leighty, Director, The Leighty Foundation

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mark Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alliance Officer, University of California San Diego

EUEC 2018 - Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

EUEC 2018 - John Perkins, Perk Solar

EUEC 2018 - Robert Schulte, Principal, Schulte Associates; Fredric Fletcher

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mary Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alliance Officer, University of California San Diego

EUEC 2018 - Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

EUEC 2018 - John Perkins, Perk Solar

EUEC 2018 - Robert Schulte, Principal, Schulte Associates; Fredric Fletcher

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mary Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alliance Officer, University of California San Diego

EUEC 2018 - Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

EUEC 2018 - John Perkins, Perk Solar

EUEC 2018 - Robert Schulte, Principal, Schulte Associates; Fredric Fletcher

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mary Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alliance Officer, University of California San Diego

EUEC 2018 - Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

EUEC 2018 - John Perkins, Perk Solar

EUEC 2018 - Robert Schulte, Principal, Schulte Associates; Fredric Fletcher

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mary Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alliance Officer, University of California San Diego

EUEC 2018 - Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

EUEC 2018 - John Perkins, Perk Solar

EUEC 2018 - Robert Schulte, Principal, Schulte Associates; Fredric Fletcher

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mary Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alliance Officer, University of California San Diego

EUEC 2018 - Philippe Bouchard, SVP, Business Development & Marketing, Eos Energy Storage

EUEC 2018 - John Perkins, Perk Solar

EUEC 2018 - Robert Schulte, Principal, Schulte Associates; Fredric Fletcher

EUEC 2018 - William Conlon, President, Pintail Power LLC

EUEC 2018 - Mary Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

EUEC 2018 - John H. Hadley, Industry Alli
### Track J | Battery & Storage

#### Wednesday, February 8 | 1PM - 3PM

**J1. Charging & Transportation**
- **J1.1 Department of Energy’s Workplace Charging Challenge**
  - Co-Chair: Carrie Giles, Manager, ICF International
- **J1.2 Climate-Stabilizing, California Light-Duty Vehicle Reqs & ARB Goals**
  - Co-Chair: Mike Bullock, Transportation Committee Chair, Sierra Club
- **J1.3 Safety As a Service: Innovations in Cloud-Based Video**
  - Blake Gasca, CEO, MuHu
- **J1.4 Hybridization of Intercity Passenger Rail**
  - Dave Cook, CTI, Rail Propulsion Systems
- **J1.5 A New Fueling Network - Challenges, Opportunities and Applications**
  - Michael Jones, Vice President Sales, NA West, ChargePoint

#### Wednesday, February 8 | 3:30PM - 5:30PM

**J2. EV & PHEV**
- **J2.1 Electric Vehicles: The Key to Energy Independence and Security**
  - Co-Chair: Alex Wong, Sr. Structure & Pricing Analyst, The Energy Authority; Enes Hosgor, EEne
- **J2.2 Plug-In Hybrid Vehicle Improvement with Combined of Battery with DLCAP**
  - Toshihiko Furukawa, Senior Manager, United Chemi-Con; Naoki Akiba, Takahiro Kikuta & Shin Watanabe, Nippon Chemi-Con Corp
- **J2.3 “Empower the People” - EV Charging Toolkit for Apartments and Condos**
  - Joel Pointon, Principal, JRPCapital Consulting
- **J2.4 Energy Storage & Mgmt for Transportation & Stationary Energy Use**
  - Andrew Frank, CTO, Efficient Drivetrains Inc.
- **J2.5 EV to Grid Integration - How It Works? Why It Matters?**
  - Chris Neff, Director of Marketing, eMotorWks; Val Miftakhov
- **J2.6 Navigating the Connected Landscape in Electric Vehicles**
  - Session Sponsor & Co-Chair: Safiyyah Khan, Product Mkt Mgr., CLEAResult; Thor Hinckley

#### Thursday, February 9 | 7:30AM - 9:30AM

**J3. Battery & Storage Systems**
- **J3.1 Energy Storage and Automated Demand Response**
  - Co-Chair: Barry Haaser, Managing Director, OpenADR Alliance
- **J3.2 Grid Scale Energy Storage Prospects at ISO/RTO**
  - Co-Chair: Rao Konidena, Principal Advisor, Midcontinent ISO
- **J3.3 Fueling the Energy Storage Revolution**
  - Andrew Miller, Analyst, Benchmark Mineral Intelligence
- **J3.4 Impact of Electric Vehicles on Commercial Distribution Systems**
  - Sungwoo Bae, Assistant Professor, Yeungnam University; M. Arias, J. Kim & S. Jeon

#### Thursday, February 9 | 3:30PM - 5:30PM

**J4. Battery & Storage**
- **J4.1 Risk Assessments for Battery Storage Sites**
  - Co-Chair: Jane Besch, Principal, Geosyntec; Dr. Eric Peterson, MMR Engineering
- **J4.2 Optimizing the Design of Turnkey Solutions**
  - Mike Tripodi, Principal Engineer, Girtz Industries; Brent Beissler
- **J4.3 Assurance in Energy Storage Systems: Identifying and Minimizing Risk**
  - Haiwen (Howard) Liu, Sr. Staff Engineer/Engineering Team Lead, Intertek Testing Services NA, Inc.; Brad Afeldt
- **J4.4 Battery System Development: Addressing Key Topics in Terms of Safety**
  - Co-Chair: Greg Maguire, Founder & VP of Sales & Marketing, Adara Power; Neil Maguire
- **J4.5 Frequency Regulation Energy Storage System in Korea**
  - David Nickerson, Director of Business Development, LSIS Co., Ltd.; Joowon Yoon

#### Thursday, February 9 | 1PM - 3PM

- **J5.1 Energy Storage Applications in Cogeneration Power Plants**
  - Co-Chair: Michael Nicolato, Senior VP, Sanborn, Head & Associates; Joan Fontaine
- **J5.2 Medium Voltage Heating Systems Enable Thermal Energy Storage Solutions**
  - David Taylor, Energy Market Sales Manager - Americas, Chromalox
- **J5.3 Modular LNG: Alternative Back-Up Energy Supply for Power Generators**
  - Co-Chair: Michael Nicolato, Senior VP, Sanborn, Head & Associates; Joan Fontaine
- **J5.4 Design and Control of an Interleaved Power Converter**
  - Woonki Na, Assistant Professor, Cal St Univ-Fresno; Min-Keuk Kim, KDSYSTEK; Joonghoon Kim, Chungnam National University

#### Thursday, February 9 | 10AM - 12PM

**J6. Energy Storage Technology**
- **J6.1 JCESR - A New Paradigm for Energy Storage Research**
  - Devin Hodge, Deputy Director for Operations, Argonne National Laboratory
- **J6.2 GWH Energy Storage at <$ 1.00/KWh CAPEX: Hydrogen & Ammonia Fuels**
  - Co-Chair: Bill Leighly, Director, The Leighly Foundation
- **J6.3 Vanadium Flow Battery - Long Term Energy Storage Asset**
  - Matthew Malo, Business Development - North America, Gildemeister Energy Storage
- **J6.4 Early Stage Capital for Disruptive Energy**
  - Co-Chair: Marilyn Waite, Senior Manager, Village Capital
### EUEC 2016 - TRACK J | FLEET, BATTERY & STORAGE

**ROOM 11A**

#### Wednesday | February 3 | 1PM - 3PM

**J1. FLEET**

**J1.1 A CLIMATE-STABILIZING CALIFORNIA FLEET, VERSUS AIR RESOURCE BOARD GOALS**
Co-chair - Michael Bullock, Transportation Committee Chair, Sierra Club

**J1.2 HOW CITY FLEETS CAN BECOME A CATALYST FOR A NATIONAL EV TRANSIT**
Amy Lopez, Director of Corporate Engagement, Electrification Coalition

**J1.3 MAKING FLEET TELEMATICS DATA ACTIONABLE AND MATTER**
Co-chair - Norma Havens, Co-National Sales Manager, USA Fleet Solutions; Bob Belknap

**J1.4 COMING CHALLENGE TO US SUBURBIA, GROWING CHINESE CAR FLEET**
Alexandra Malazdrewicz, Burns School of Management; Stephen Sewalk & Lydia Patton

#### Wednesday | February 3 | 3:30PM - 5:30PM

**J2. EV, PHEV & CHARGING**

**J2.1 INTELLIGENT ELECTRIC VEHICLE CHARGING SYSTEM**
Prateek Saxena, Director, Tech Mahindra

**J2.2 COMPREHENSIVE EV FAST CHARGING SOLUTIONS FOR 21ST CENTURY UTILITIES**
Michael Krauthamer, Director, Products & Services, NRG EVgo

**J2.3 ZERO-EMISSION VEHICLE MARKETS: DISADVANTAGED COMMUNITIES & CALIFORNIA**
Brett Williams, Sr. Project Manager, EV Initiatives, CSE; John Anderson & Ria Langheim, CSE

**J2.4 VEHICLE-GRID INTEGRATION USING ISO/IEC 15118 GLOBAL INTEROPERABILITY STANDARD**
Stephen Davis, CEO, KnGrid; Michelle Bogen, Center for Sustainable Energy

**J2.5 USING THE FLEET OF PHEVS FOR ENERGY STORAGE OF BOTH SOLAR AND WIND**
Co-chair - Andrew Frank, CTO, Efficient Drivetrains Inc.; Andrew A Frank & JJ DeMauro

**J2.6 INFORMATION CHANNELS FOR REACHING PLUG-IN ELECTRIC VEHICLE CONSUMERS**
Clair Johnson, Transparency Specialist, Center for Sustainable Energy; Brett Williams

#### Thursday | February 4 | 7:30AM - 9:30AM

**J3. BATTERY & STORAGE SYSTEMS**

**J3.1 ACTIA EV SOLUTIONS**
Co-chair - Greg Fritz, EV Business Unit Manager, ACTIA Corp

**J3.2 ENERGY STORAGE + EV CHARGING - DRIVING ELECTRIC VEHICLE ADOPTION**
Vic Shao, CEO, Green Charge Networks; Anne Smith

**J3.3 BUSTING MYTHS & BREAKING GROUND: VEHICLE TO GRID STORAGE FRONTIER**
Co-chair - Scott Fisher, Director of EV to Grid, NRG EVgo; Niki DeLeon

**J3.4 IMPROVE FUEL CONSUMPTION WITH ENVIRONMENTAL FRIENDLY DLCAP**
Toshihiko Furukawa, Senior Manager/Engineer, United Chemi-Con

### Thursday | February 4 | 10AM - 12PM

**J4. BATTERY & STORAGE**

**J4.1 GRID-SCALE ENERGY STORAGE PROVIDING COST-EFFECTIVE PEAKING CAPACITY**
Co-chair - Kiran Kumaraswamy, Director, AES Energy Storage; Kate McGinnis

**J4.2 ENERGY STORAGE USED FOR FREQUENCY REGULATION & GRID FIRMING**
Co-chair - Paul B. Scott, VP Tech., Transpower; David Rosewater, Sandia Corporation

**J4.3 LEGAL ISSUES AND OPPORTUNITIES FOR ENERGY STORAGE SYSTEM PROJECTS**
Chris Locke, Farello Braun & Martel LLP; Steven Brannon, Ramblin Environ, Inc.

**J4.4 AN ADVANCED LEAD-ACID BATTERY FOR INTEGRATION WITH RENEWABLE ENERGY**
Collin Mui, Lead Nanofabrication Engineer, Gridtential Energy Inc.; Daniel Moomaw, Steve Hinojosa & Christiana Beehkus

**J4.5 HIGHER LEVELS OF RENEWABLES WITH GRID-Scale COMPRESSED AIR ENERGY STORAGE**

#### Thursday | February 4 | 3:30PM - 5:30PM

**J5. BACK-UP PWR & THERMAL ENERGY STORAGE**

**J5.1 THERMAL ENERGY STORAGE - “VIRTUAL BATTERIES”**
Co-chair - Guy Frankenfield, Manager - TES & Biofuels, DN Tanks

**J5.2 BACK-UP POWER: ADVANCED FUEL CELL TECH. PROTECTING 21ST CENTURY APPLICATIONS**
Vito Coletto, Director of Sales, Altergy Systems

**J5.3 HYDROGEN AS ENERGY STORAGE & FUEL FOR STEAM INJECTED GAS TURBINE PLANT**
Co-chair - Joshua Partheepan, Research Assistant, West Texas A&M University; William J. Rogers, West Texas A&M University; Edward Hinderer, Paramount Energy West

**J5.4 ANODE MATERIAL USING HIERARCHICAL MICRO-LAMELLA 3D POROUS Cu CURRENT STUDY**
Hyeji Park, Student, Kookmin U; Um & Sung, Seoul National U; Choi & Choe, Kookmin U

**J5.5 VANADIUM REDOX FLOW BATTERIES – UTILIZATION AND DISTRIBUTED ENERGY VALUE**
Matthew Maiers, Business Development - North America, GILDEMEISTER energy storage

#### Thursday | February 4 | 3:30PM - 5:30PM

**J6. UPS, FLOW & LI-ION BATTERIES**

**J6.1 DEVELOPMENT OF LITHIUM ION BATTERY MATERIALS FOR GRID APPLICATIONS**
Co-chair - Dee Strand, Chief Scientific Officer, Wildcat Discovery Technologies; Ye Zhu

**J6.2 FIRE SAFETY AWARENESS OF LITHIUM ION BATTERIES**
Matt Dunn, Principal, AECOM

**J6.3 COST REDUCTIONS FOR LITHIUM ION BATTERIES THROUGH TECHNOLOGY**
Co-chair - Dr. Rajeshwar DasGupta, Vice President Technology, Electrovaya

**J6.4 BEYOND BATTERY MGMT: ENABLING ESS INTEGRATION IN GRID ECOSYSTEMS**
Michael Worry, President and CEO, Nuvation Engineering

**J6.5 SEAWATER FLOW BATTERY FOR CLEAN COLD-IRONING & FLEET VEHICLE FUELING**
Peter Schubert, Professor, Indiana University-Purdue University Indianapolis

**J6.6 SGIM ADVANCED BATTERIES**
Pavel Bulai, CEO, SGiM; Boksha, Tompa, Ziegental, Jewell, Chow, Foster, Hogan, Proglar, Salagaj, Rylov, Zavorotnyi, Saeed, AIDamer, Molchanov, Strukov, Golubeva & Pitlik