

# TRACK K: BATTERY

EUPEC2020

MONDAY APRIL 20 | 8:00AM - 10:00AM

## K1. ADVANCED BATTERY, SUPER CAPACITORS, BMS



### K1.1 IS TPPL THE BATTERY BRIDGE TO LITHIUM?

Jeremy Cordray, Director of Technical Sales, EnerSys



### K1.2 DREAM BATTERY FOR ELECTRIC VEHICLES COME TRUE

Hector Ruiz, Innovation Director, Alto Rendimiento Automotriz



**K1.3 PRACTICAL BENEFITS AND LIMITATIONS OF ENERGY STORAGE**  
Carl Salas, Founding Principal, Salas O'Brien

### K1.4 THE BATTERY PUZZLE - THE PATH TO ELECTRIFICATION FOR HEAVY-DUTY

Mike Terzo, CEO & CTO, Terzo Power Systems, LLC

### K1.5 ENCAPSULATOR TECHNOLOGY FOR BATTERY AND STORAGE SYSTEM PROTECTION

Jeffrey Bonkoski, Area Manager, Encapsulator Technology Specialist, Hazard Control Technologies; Ron Lowrey

### K1.6 GETTING AHEAD OF THE EV BOOM WITH INCENTIVIZED SMART-CHARGING

Marc Monbouquette, Sr. Manager, Regulatory and Government Affairs, eMotorWerks

MONDAY APRIL 20 | 10:00AM - 12:00PM

## K2. FUEL CELLS, LI-ION, H2, SAFETY



### K2.1 CONSIDERATION OF A RISK MATRIX FOR GRID-LEVEL BATTERY FINANCE

Clifford Sikora, Partner, Troutman Sanders



### K2.2 FUEL CELL AND HYDROGEN: A COMPELLING VALUE PROPOSITION

Bawa Daljit, Market Manager, Ballard Power Systems



### K2.3 THE UNDERESTIMATED CHALLENGE OF SAFE AND RELIABLE DC SWITCHING

Jim Tullo, Vice President, Schaltbau - North America

### K2.4 EV CHARGING VIA DC MICROGRID IMPLEMENTATION AND "THE GRID OF GRIDS"

Tom Osterman, President, E-Merge Alliance



### K2.5 MYTHBUSTERS - DEBUNK THE MYTHS AROUND CHARGING & INFRASTRUCTURE

Desmond Wheatley, CEO, Envision Solar; Co-Authors David Greenfader, Vice President

### K2.6 VEHICLE2GRID INTEGRATION: VALUING OPPORTUNITIES & ASSESSING CHALLENGES

Matt Owens, Director Client Development - West Region, West Monroe Partners LLC

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## K3. FUEL CELLS, LI-ION, H2, SAFETY



### K3.1 BATTERY SAFETY SENSORS AND EARLY THERMAL RUNAWAY DETECTION

Brian Engle, Transportation and Medical Segment Specialist, Amphenol



### K3.2 TESTING SOLUTION FOR EV CHARGER (AC OR DC)

Brian Hsu, Product Marketing Manager, AC POWER CORP



### K3.3 NAVIGATING THE COMPLEXITIES OF SAFETY CERTIFICATIONS AND REGULATIONS

Megan Vidal, Business Development, UL LLC



### K3.4 ULTRA-HIGH ENERGY LITHIUM BATTERY FOR EV AND AEROSPACE APPLICATIONS

Yuriy Mikhaylik, Technical Fellow and Senior Director of Materials Development, Sion Power Corporation

### K3.5 AN OUTLOOK ON THE CURRENT STATE OF FUTURE BATTERY STORAGE TECHNOLOGIES

Taylor Kelly, Director, Energy Storage, Intertek

TUESDAY APRIL 21 | 8:00AM - 10:00AM

## K4. TEST BENCHES & ENV TESTING, CALIBRATION & SAFETY



### K4.1 THE SLOW FAST CHARGE: WHAT YOU GET IS ALL YOU NEED

Scott McCalmont, Principal Engineer, Paired Power, Inc.

### K4.2 EV CHARGING AND THE VEHICLE PURCHASE PROCESS: LESSONS LEARNED

Dr. Ryan Bodanyi, Senior Specialist for EV Program Transparency & Evaluation, Center for Sustainable Energy (CSE); Brett Williams

### K4.3 FTIR ANALYSIS OF BATTERY THERMAL RUNAWAY

Roberto Bosco, Senior Product Marketing Manager, MKS Instruments, Inc.

### K4.4 BATTERY INNOVATIONS, E-MOBILITY & SMART CITIES

Cameron Peebles, Scientist, Wildcat Discovery Technologies

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## K5. ADVANCED BATTERY PACKS & FUEL CELLS



### K5.1 THE CALIFORNIA FUEL CELL REVOLUTION

Keith Malone, Public Affairs, California Fuel Cell Partnership; Bill Elrick



### K5.2 MODULAR BATTERY PACK DEVELOPMENT FOR PHEV AND BEV APPLICATIONS

Gael Chouchelamane, Chief Engineer, Ricardo; Co-Authors: Paul McGahan, Richard Ward, Owain Davies, Cedric Rouaud, Richard Gordon



### K5.3 FLEXIBLE BATTERY PACKS THROUGH INTELLIGENT SWAPPABLE CELLS

Bert Holtappels, CEO, TankTwo



### K5.4 MODULARIZED, HYPER-CONNECTED LI-ION BATTERY FACTORY OF THE FUTURE

Ankush Halbe, Director of Technology, Exyte (formerly M+W Group)

### K5.5 ACTIA BATTERY PACKS FOR MEDIUM AND HEAVY DUTY VEHICLES

Greg Fritz, EV Business Unit Manager, ACTIA Group

TUESDAY APRIL 21 | 2:00PM - 4:00PM

## K6. VOLTAGE & RELAY PROTECTION, CHARGES & PROTOTYPES



### K6.1 SAFE CABLE MANAGEMENT

Phil Ramos, Jr., Founder and CEO, Philatron Wire and Cable

### K6.2 LEVERAGING LOCAL SUPPORT WITHIN A GLOBAL SUPPLY CHAIN

Co-Chair - Wesley Brandon, President, CTEMS, Engineering and Manufacturing Services



### K6.3 ROLLING ENERGY STORAGE-ELECTRIC VEHICLES \* CHARGING

Kevin Wood, Clean Transportation Specialist, Center for Sustainable Energy (CSE)

### K6.4 LEVEL 1 & 2 CHARGERS AND THE EUROPEAN CCID 6MA DC REQUIREMENT

Torsten Gruhn, Engineer, Bender, Inc

### K6.5 FAST CHARGING AND EXTENDED DRIVING RANGE THROUGH THERMAL MANAGEMENT

Bret Trimmer, Applications Engineering Manager, NeoGraf Solutions, LLC

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