

EUROPEAN ELECTRIC VEHICLE BATTERIES SUMMIT

Maximising the batteries efficiency while optimising production costs



20th & 21st June 2018 Munich, Germany



Key topics

- *The multilateral involvement in the European consortium*
- *Attracting the production and developing the knowledge*
- *The effect of EV's transition to the automotive value chain*
- *The latest technology developments in the battery sector*
- *Vehicle to grid (V2G): the impact & benefits of batteries in the network*
- *Energy storage systems for mobile and stationary applications*
- *New business models and investment needed*
- *Case study: vehicle manufacturers' perspective*
- *Second life and recycled batteries*
- *Country case study*

With thanks to our partners



For more information & registration:

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Sponsorship and commercial opportunities:

Hubert Sosnowski +48 61646 1059 / hubert@acieu.net



European Electric Vehicle Batteries Summit

Munich, Germany

20th & 21st
June
2018

ACI's European Electric Vehicle Batteries Summit will be taking place in Munich, Germany, on 20th & 21st June 2018. The two day event will bring together key industry stakeholders from the battery manufacturers, car manufacturers, energy storage component material developers, technology providers, grid operators, policy makers, environmental bodies and expert consultants.

The concept of battery electric vehicles is to use charged batteries on board vehicles for propulsion. Battery electric cars are becoming more and more attractive with the advancement of new battery technology (Lithium Ion) that have higher power and energy density (i.e., greater possible acceleration and more range with fewer batteries) and higher oil prices.

Attendees will have the opportunity to network and close business opportunities onsite as we provide incredible networking possibilities for the industry.

Confirmed Topics for Discussion:

- The multilateral involvement in the European consortium
- Attracting the production and developing the knowledge
- The effect of EV's transition to the automotive value chain
- The latest technology developments in the battery sector
- Vehicle to grid (V2G): the impact & benefits of batteries in the network
- Energy storage systems for mobile and stationary applications
- New business models and Investment needed
- Case study: vehicle manufacturers' perspective
- Second life and recycled batteries
- Country case study

Registration is Simple:

If you would like to register for this event or wish to find out more information, you can contact **Mohammad Ahsan** by using any of the following methods:

+44 20 3141 0606

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http://www.wplgroup.com/aci/

ACI Europe, 10 Gough Square, London, EC4A 3DE

Opportunities to Meet your Target Audience:



For information on available sponsorship and commercial opportunities, please contact **Hubert Sosnowski**:

Tel: +48 616 46 7059 or

Email: hubert@acieu.net

Who Should Attend:

BEV manufacturers (incl. cars, trucks, ships etc...) - Battery producers & manufacturers - Battery manufacturer plants - Technology providers - Grid operators - Raw material traders - Regulatory and Policy Officers - Battery expert analysts



Speaking opportunities:

If you would like to be considered as a speaker for the event with a 20-30 minute presentation, please submit an abstract for consideration to:

Miriam Roda

Tel: +44 (0)20 3141 0641

Email: mroda@acieu.net

DAY 1

Wednesday 20th June 2018

08:00 REGISTRATION & COFFEE

08:45 CHAIRMAN'S OPENING REMARKS The Major Disruptions Are Coming In The Automotive And Transport Sector Within The Next Years

- Understand the risks and opportunities brought along by electrification
- How do we get in position to create jobs instead of becoming a victim of disruption?
- How can policy-makers adapt and keep up in this rapidly changing area



Philippe Vangeel
Secretary General
AVERE – The European Association for Electromobility

09:15 CONFERENCE PRESENTATION The Role Of EVs And Batteries In Decarbonising Europe's Energy System

- The scale of the challenge to fully decarbonise Europe's energy system by 2050
- The role of EVs in meeting this challenge
- How flexible demand supports intermittent generation
- What that means in terms of requirements from EVs and batteries in particular



Benedikt Unger
Senior Consultant
Pöry Management

09:45 CONFERENCE PRESENTATION High-Level Policy Oversight on the Barriers & Opportunities for Remanufacturing of EV Batteries

- Transport of batteries
- How do EVs fit in with ELV directives?
- What incentives exist for greater EV uptake?
- Is specific policy required for transport and handling of batteries?
- Issue of liability for remanufactured battery
- Policy to incentivise cascade of EV batteries
- Need for harmonisation of terminology across waste legislation
- Role of EPR and EV battery remanufacture

Owain Griffiths
Membership Development
Conseil Européen de Remanufacture

10:25 CONFERENCE PRESENTATION Presentation title to be confirmed

Senior representative
Nouveau Monde Graphite

10:45 MORNING REFRESHMENTS

11:15 CONFERENCE PRESENTATION The Multilateral Involvement In The European Consortium

- How to really foster & establish a sustainable market for BEVs in Europe
- Second life use of EV batteries - challenges and opportunities
- The necessary charging infrastructure – quality or quantity?



Christian Mayer
Lawyer
Noerr LLP

11:55 CONFERENCE PRESENTATION Battery Manufacturers' Perspective On Production Price

- Identifying the production leader to reduce the cost down and increase the market adoption
- Confronting the low cost on external production manufacturing and attracting the potential to Europe
- Battery development to approach for a high power in a smaller and light footprint making the vehicle more efficient
- Reasons and solutions to establish the production in this Europe
- The necessity of the big European OEM's and policies support



Felix Von Borck
Executive Managing Director
Akasol

12:35 CONFERENCE PRESENTATION Long Distance Journeys Are No Longer An Obstacle For EVs Massive Development

- The missing element for massive adoption of electric vehicles
- Fast to install and easy to use charging stations
- A self-financed charging station



Hervé Mathiasin
CEO
SmartGreenCharge

13:15 LUNCH

14:15

CONFERENCE PRESENTATION

The Vital Role of Battery Raw Materials In The Development Of Electric Vehicles

- The lithium-ion battery, both its cost and its efficiency, is essential to EV adoption
- The lithium industry is booming but despite a growing interest from the financial community, investment is still lagging behind and market shortage is feared by end-users
- Where and when new lithium sources will come to the market
- What type of strategic partnerships and offtake agreements are being developed
- How will supply/demand mechanisms influence raw material prices in the next 10 years



Vincent Ledoux Pedailles
Associate Director - Lithium & Battery
Materials Research
IHS MARKIT

14:55

CONFERENCE PRESENTATION

Maximizing The Efficiency Of The Batteries By Effective Battery Control – EBC

- Sophisticated control-algorithm of state-of-health(SoH) and aging parameters of individual battery-cells
- Maximizes performance, lifetime and safety of the battery pack
- Disruptive HW-architecture provides >99% energy effectiveness at lowest cost, dimension and weight



Hans Harjung
CEO & Founder
E-moove

15:35

CONFERENCE PRESENTATION

State of Charge (SOC) and State of Health (SOH) Analysis Based on Impedance Spectroscopy on EFB Batteries

- Impedance Analysis on enhanced flooded batteries for micro hybrid applications
- Transmission line element effects to replicate carbon added electrode surfaces with EEC
- SOC and SOH traceability based on EIS measurements



Can Aksakal
Industrial Battery Customer Solutions
Manager
INCI GS YUASA

16:15

AFTERNOON REFRESHMENTS

16:45

CONFERENCE SESSION

Facing The Electricity Production Demand For The Upcoming Electric Car Adoption Development Of Smart Vehicle-To-Grid Integration To Face Growing Energy Demand From EV

- Growing number of electrical vehicles will lead to significant increase in flexible storage capacity and will surpass any other source of flexibility available today in energy system
- Utilization of "zero capex" resource becomes of paramount importance to decrease load on existing electricity grid as well as to enable a larger use of renewable power generation
- Application of smart charging will create additional sources for monetisation & decrease total cost of ownership of electrical vehicles



Sergey Kiselev
Head of European Operation in
e-Mobility
EnelX

17:15

Electrification Of Transport: The New Business Models Emerging

- From combustion to Electric through to Vehicle 2 Grid, there are a range of new business models emerging
- A range of sectors are converging on the electrification of transport
- New business models will solve new customer problems



James Stevenson
Director
A.T. Kearney

17:45

Battery Storage On Heavy Duty Applications

- Container port operations is key business for island countries with strategic locations
- Port electrification drive leads to electrification of transport within the container ports
- Electric drivetrains of heavy duty trailers (used for container shipment) is a challenge
- This talk will define and address the challenges



Anshuman Tripathi
Programme Director - Future Mobility
Solutions (Electromobility)
**Energy Research Institute
@NTU**

18:15

PANEL Q&A

18:35

CHAIRMAN'S CLOSING REMARKS



Philippe Vangeel
Secretary General
**AVERE – The European
Association for Electromobility**

18:45

CLOSE OF DAY ONE

DAY 2

Thursday 21st June 2018

08:30 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS



Frank Müller
COO
German Federal Association
For EMobility

09:15 CONFERENCE PRESENTATION Capturing Value In The EV – Electricity Interface

- What are the opportunities – and threats to energy incumbents?
- What are the leading propositions and business models?
- Who will win?



Jon Slowe
Director
Delta Energy & Environment

09:55 CONFERENCE PRESENTATION Batteries For Electric Motorcycles

- Breakdown of the Electric Motorcycle market, giving insight to the progress of electrification of motorcycles
- Customer's expectations to electric motorcycles, status of the technology, customer profile and how it differs from ICE-products
- Design decision for the battery pack to maintain a reliable production that meets customer's expectations



Bjarni Freyr
CTO
Fenris Motorcycles

10:35 CONFERENCE PRESENTATION Modular Battery Systems for On- and Off-Highway Vehicles

- Taking Nissan cell technology into new markets and applications
- Dealing with conflicting requirements across on- and off-highway vehicle and machine types using a modular battery pack approach
- Minimising development costs and reducing time to market, especially for OEMS without in-house electrification expertise



Glenn Aitchison
Engineering Director
Hyperdrive Innovation

11:15 MORNING REFRESHMENTS

11:45

CONFERENCE PRESENTATION

Robotics-enabled Conductive Extreme Fast Charging For Multi-chemistry Battery Electric Vehicles

- A low-cost computer-vision-directed robot establishes a safe and reliable high electrical current interface from EVSE to vehicle eliminating human-factors allowing for a connection with extremely low source resistance
- A multi-chemistry hybrid battery architecture that transcends the EVSE/Vehicle boundary can be safely deployed and the advantages of this architecture can be exploited for multiple MegaWatt charging
- Resulting solution is scale-able, grid-friendly, autonomous (supports AVs), and dynamically shareable across multiple parked vehicles



Kevin Leary
CEO
Power Hydrant

12:25

CONFERENCE PRESENTATION

Building The Next Generation Of Battery Systems For Commercial Vehicles

- Custom battery packs for different vehicle types
- Why using larger capacity batteries helps their cycle life
- TCO and leasing models

Simon Buckley
Programme Manager

Magnetic Systems Technology

13:05

LUNCH

14:05

CONFERENCE PRESENTATION

Plugsurfing: Every Charging Point In Your Pocket

- The electric car market is set to boom, But, to gain mass market acceptance, one major problem needs to be solved
- This is the difficulty of finding and paying for a charging point due to the current fractured landscape of EV charging
- Plugsurfing solves this issue by connecting charging point operators throughout Europe and providing its users access to them with one service
- With the Plugsurfing app, EV drivers can find and pay for charging points at over 60,000 charging points in 20 European countries



Adam Woolway
Managing Director And CoFounder
PlugSurfing

14:45

CONFERENCE PRESENTATION

Ultra Low Emission Vehicle Innovation In The UK

- This presentation will highlight innovations stemming from the UKs automotive industry, including batteries, power electronics, motors, light weighting, CAV, infrastructure and V2G
- Discussion about the UK governments philosophy on innovation support and funding



Venn Chesterton
Innovation Lead – ULEV
Innovate UK

15:25

CONFERENCE PRESENTATION

Second Life And Recycled Batteries

Can battery 2nd life and recycling improve battery lifecycle emissions?

- Opportunities around second and third uses of batteries
- Recycling of battery materials: economics vs regulatory gaps
- Impact of battery end-of-life of lifecycle emissions
- What else can be done to make batteries fully sustainable & policy recommendations



Julia Poliscanova
Manager, Clean Vehicles And Air
Quality
**European Federation For
Transport & Environment**

16:05

CHAIRMAN'S CLOSING REMARKS



Frank Müller
COO
**German Federal Association
For EMobility**

16:15

END OF CONFERENCE & AFTERNOON REFRESHMENTS

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 ACI Europe, 10 Gough Square, London, EC4A 3DE

Registration Is Simple

Conference (Includes Access to Documentation Pack)
20th & 21st June 2018

£1,595.00

Documentation Pack Only

£420.00

Please Note.

Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information please call +44 (0)20 141 0606

Documentation Packet Available

We are selling the European Electric Vehicle Battery Summit papers at just £395 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

About ACI

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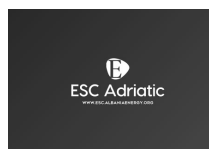
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