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

PÖYRY

NOUVEAU MONDE GRAPHITE
Foster the Future, Drive Innovation

For more information & registration:
Mohammad Ahsan +44 (0) 203 141 0606 / mahsan@acieu.net
Sponsorship and commercial opportunities:
Hubert Sosnowski+48 61646 1059 / hubert@acieu.net
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
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- 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
mahsan@acieu.net
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
# European Electric Vehicle Batteries Summit

**Munich, Germany**

## DAY 1

**Wednesday 20th June 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>08:00</td>
<td><strong>REGISTRATION &amp; COFFEE</strong></td>
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<tr>
<td>08:45</td>
<td><strong>CHAIRMAN’S OPENING REMARKS</strong></td>
<td><strong>The Major Disruptions Are Coming In The Automotive And Transport Sector Within The Next Years</strong></td>
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<tr>
<td></td>
<td>· Understand the risks and opportunities brought along by electrification</td>
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<td>· How do we get in position to create jobs instead of becoming a victim of disruption?</td>
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<td>· How can policy-makers adapt and keep up in this rapidly changing area</td>
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**Philippe Vangeel**
Secretary General
AVERE – The European Association for Electromobility

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<thead>
<tr>
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<tbody>
<tr>
<td>09:15</td>
<td><strong>CONFERENCE PRESENTATION</strong></td>
<td><strong>The Role Of EVs And Batteries In Decarbonising Europe’s Energy System</strong></td>
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<td>· The scale of the challenge to fully decarbonise Europe’s energy system by 2050</td>
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<td>· The role of EVs in meeting this challenge</td>
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<td></td>
<td>· How flexible demand supports intermittent generation</td>
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<td></td>
<td>· What that means in terms of requirements from EVs and batteries in particular</td>
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**Benedikt Urger**
Senior Consultant
Pöyry Management

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<td>09:45</td>
<td><strong>CONFERENCE PRESENTATION</strong></td>
<td><strong>High-Level Policy Oversight on the Barriers &amp; Opportunities for Remanufacturing of EV Batteries</strong></td>
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<td>· Transport of batteries</td>
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<td>· How do EVs fit in with ELV directives?</td>
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<td>· What incentives exist for greater EV uptake?</td>
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<td>· Is specific policy required for transport and handling of batteries?</td>
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<td>· Issue of liability for remanufactured battery</td>
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<td>· Policy to incentivise cascade of EV batteries</td>
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<td>· Need for harmonisation of terminology across waste legislation</td>
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<td>· Role of EPR and LTV battery remanufacture</td>
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**Owain Griffiths**
Member Development
Conseil Européen de Remanufacture

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<td>10:25</td>
<td><strong>CONFERENCE PRESENTATION</strong></td>
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<td>11:00</td>
<td><strong>MORNING REFRESHMENTS</strong></td>
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<tr>
<td>11:15</td>
<td><strong>CONFERENCE PRESENTATION</strong></td>
<td><strong>The Multilateral Involvement In The European Consortium</strong></td>
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<td>· How to really foster &amp; establish a sustainable market for RFVs in Europe</td>
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<td>· Second life use of EV batteries - challenges and opportunities</td>
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<td>· The necessary charging infrastructure – quality or quantity?</td>
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**Christian Mayer**
Lawyer
Noer LLP

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<td><strong>CONFERENCE PRESENTATION</strong></td>
<td><strong>Battery Manufacturers’ Perspective On Production Price</strong></td>
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<td>· Identifying the production leader to reduce the cost down and increase the market adoption</td>
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<td>· Confronting the low cost on external production manufacturing and attracting the potential to Europe</td>
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<td>· Battery development to approach for a high power in a smaller and light footprint making the vehicle more efficient</td>
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<td>· Reasons and solutions to stabilise the production in this Europe</td>
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<td>· The necessity of the big European OEM’s and policies support</td>
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**Felix Von Borck**
Executive Managing Director
Akasa

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<td><strong>CONFERENCE PRESENTATION</strong></td>
<td><strong>Long Distance Journeys Are No Longer An Obstacle For EVs Massive Development</strong></td>
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<td>· The missing element for massive adoption of electric vehicles</td>
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<td>· Fast to install and easy to use charging stations</td>
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<td>· A self-financed charging station</td>
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**Hervé Mathiasin**
CTO
SmartGreenCharge

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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 Tedoux 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 Aksekal
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 systems
• 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 Operations in eMobility
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

CLOSE OF DAY ONE
European Electric Vehicle Batteries Summit
Munich, Germany

**D A Y  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, costumer profile and how it differs from ICE-products
- Design decision for the battery pack to maintain a reliable productions that meets customer’s expectations

Bjarni Freyr
CIO
Fennis 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

**11:05**
**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
- ICO 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 UK’s automotive industry, including batteries, power electronics, motors, light weighting, CAV, infrastructure and V2G
- Discussion about the UK governments philosophy on innovation support and funding

Vann 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
CEO
German Federal Association For EMobility

16:15  END OF CONFERENCE & AFTERNOON REFRESHMENTS
Registration Is Simple

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+44 (0)20 141 0606
mahsan@acieu.net
http://www.wplgroup.com/aci/

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

Terms & Conditions

Payment
Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call +44 (0)20 141 0606 for more information.

Cancellations
Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation
The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

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

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago, ACI opened its European head office in London at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, chemical, cosmetics & pharma and opening offices in Poznan (Poland) & Pune (India).