

AABC Europe Tracks 2017

Advanced Automotive Battery Technology,
Application & Market and EV Technology for
Specialty Vehicles

Held at AABC Europe 2017

Mainz, Germany
1 - 2 February 2017

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TRACK 1

Advanced Automotive Battery Technology, Application & Market

1 – 2 February 2017 | Congress Centrum Mainz | Mainz, Germany

Part of the 7th Advanced Automotive Battery Conference Europe

WEDNESDAY, 1 FEBRUARY

8:00 Conference Registration and Morning Coffee

OPENING PLENARY SESSION: xEV and xEV-Battery Market

8:40 Chairperson's Opening Remarks.....N/A

Menahem Anderman, Ph.D., President, Total Battery Consulting, Inc.

8:45 Electromobility Globally: Regulations, Vehicles, and Markets.....1

Wolfgang Bernhart, Ph.D., Senior Partner, Automotive, Roland Berger Strategy Consultants GmbH

9:05 Ongoing Changes in the Chinese xEV Market and How They Relate to the Battery Industry.....N/A

Mark Lu, Certified Senior Industrial Analyst, Industrial Economics & Knowledge Center (IEK), Industrial Technology Research Institute (ITRI)

9:25 CO2-Emission Reduction for European Fleets.....9

Greg Archer, Program Manager, Transport and Environment

9:45 Market Outlook for the New Prius Plug-In.....16

Muriel Desaegeer, Ph.D., General Manager, R&D Center, Toyota Motor Europe

10:05 Coffee Break with Exhibit & Poster Viewing

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10:55 xEV Expansion, Key Technology, and Market Development.....27

Menahem Anderman, Ph.D., President, Total Battery Consulting, Inc.

11:35 The Supply Chain Heat Map for Key Materials in Li-Ion Batteries.....N/A

Kurt Vandeputte, Vice President, Rechargeable Battery Materials Business Unit, Umicore

11:55 Q&A

12:20 Networking Lunch

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13:30 Dessert Break with Exhibit & Poster Viewing

ENERGY STORAGE FOR LOW-VOLTAGE HYBRIDS

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- 17:50 Q&A**
- 18:20 Networking Reception with Exhibit & Poster Viewing**
- 19:50 Close of Day**

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THURSDAY, 2 FEBRUARY**8:00 Registration Open****8:30 Continental Breakfast Roundtable Discussions****TABLE 1: Battery R&D in Europe**

*Rene Schroeder, Deputy & EU Affairs Manager,
Association of European Automotive and Industrial
Battery Manufacturers*

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*Christian Rosenkranz, Ph.D., Vice President,
Engineering & Product Development EMEA, Johnson
Controls Autobatterien GmbH*

TABLE 3: Lessons Learned from the Samsung Galaxy Note7 Battery Safety Events

Shmuel De-Leon, CEO, Shmuel De-Leon Energy, Ltd.

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*Raf Goossens, Ph.D., CEO, Global Corporate
Management, PEC*

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*Dee Strand, Ph.D., CSO, Wildcat Discovery
Technologies*

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Josh Buettner-Garrett, Ph.D., CTO, Solid Power

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Roland Matthe, Adam Opel AG

TABLE 10: Failure Propagation Testing of Battery Packs

*Daniel Doughty, Ph.D., President, Battery Safety
Consulting, Inc.*

TABLE 11: Energy Storage and Charging Standardization

*Kevin R. Konecky, Energy Storage Systems Consultant,
Total Battery Consulting*

9:30 Coffee Break with Exhibit & Poster Viewing

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**HIGH-VOLTAGE XEV BATTERY TECHNOLOGY****10:15 Chairperson's Opening Remarks.....119**

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Adam Opel AG*

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- 12:00** **Q&A**
- 12:20** **Networking Lunch**

- 13:05** **Dessert Break with Exhibit & Poster Viewing**

CLOSING PLENARY SESSION: Battery Charging, Grid Integration, and Logistics

- 14:05** **Chairperson's Remarks.....N/A**
Jan Fritz Rettberg, Ph.D., Head of E-Mobility, ie³ Institute of Energy Systems, Energy Efficiency and Energy Economics, TU Dortmund University

- 14:10** **The Path to Fast Charging--How to Solve the Drawback of Charging Times.....169**
Michael Keller, Senior Manager, Energy Functions, Member Executive Board – CharIN, Volkswagen AG

- 14:30** **Providing DC Charging Infrastructure and Implications for the Power Grid.....175**
Jan Fritz Rettberg, Ph.D., Head of E-Mobility, ie³ Institute of Energy Systems, Energy Efficiency and Energy Economics, TU Dortmund University

- 14:50** **Lithium Batteries – Important Tests (UN38.3, New Package Standards) & Safety Check Sheets.....N/A**
Sebastian Spies, Ph.D., Safety Advisor Dangerous Goods, Daimler AG

- 15:10** **Refreshment Break**

- 15:25** **Current Processes for Lithium Battery Recycling and Research Needs for Increased Efficiency.....187**
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- 15:45** **Trash to Fresh – Real Recycling of Lithium-Ion Batteries.....N/A**
Christian Hanisch, CEO, Lion Engineering GmbH

- 16:35** **Close of Conference**



TRACK 2

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11:55 Q&A

12:20 Networking Lunch

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13:30 Dessert Break with Exhibit & Poster Viewing

COMMERCIAL XEVs & THEIR BATTERY SYSTEMS

14:15 Chairperson's Remarks.....N/A

Axel Thielmann, Ph.D., Deputy Head, Competence Center for Emerging Technologies, Fraunhofer ISI

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Arpad W. Imre, Ph.D., Energy Storage Technologist, Powertrain Systems, Bosch Engineering GmbH



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Sven Bauer, CEO, BMZ, GmbH
- 17:50** **Q&A**
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Total Battery Consulting*

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**LIGHT ELECTRIC VEHICLES (LEVS) AND THEIR BATTERY SYSTEMS****10:15 Chairperson's Opening Remarks.....N/A**

Dee Strand, Ph.D., CSO, Wildcat Discovery Technologies

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*Stephan Scheuer, Department Manager, Certification Electrical Products, Projects & Innovations, Battery
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11:40 **Legal Lithium Battery Transport without Dangerous Good Requirements.....320**
Hannes Neupert, CEO, ExtraEnergy Services GmbH & Co. KG

12:00 **Q&A**

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