

Battery Engineering Symposium 2016

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Tuesday, 26 January

7:30 Registration

Energy Storage System Thermal Design and Durability

- 8:30 Chairperson's Opening Remarks**
Masato Origuchi, EV Battery Development Group Leader, Renault
- 8:35 New Challenges for Increasing EV Range**
Dr. Julien Marie, EV Battery Development Technical Leader, Renault
- 8:55 Design- and Integration-Process of HV-Batteries in Passenger Cars**
Christian Brommer, Manager, Cluster Mechanical Engineering, Deutsche ACCUmotive
Alfred Jeckel, Manager HV Battery Integration, Daimler AG
- 9:15 Battery Thermal Management**
Julien Tissot, Research Engineer, Valeo
- 9:35 xEV Battery System & Subsystem Review**
Kevin Konecky, Battery Systems Consultant, Total Battery Consulting
- 9:55 Q&A**
- 10:10 Grand Opening Coffee Break with Exhibit & Poster Viewing**

Energy-Storage System Electrical Design and Management

- 11:00 Chairperson's Opening Remarks**
Masato Origuchi, EV Battery Development Group Leader, Renault
- 11:05 Is Small or Big Beautiful and Cost Efficient? - A Cost and Benchmark Study of ZOE vs. Tesla Battery**
Dr. Uwe Wiedemann, Senior Product Manager, AVL List GmbH
- 11:35 Reducing Battery Specific Costs using Advanced Battery Management Systems**
Dr. Olivier Cois, General Manager, Research and Development, Robert Bosch GmbH
- 12:05 Requirements on Data Acquisition in Battery Management Systems**
Dr. Kai Peter Birke, Professor, Electrical Energy Storage Systems, Institute of Photovoltaics, University of Stuttgart;
Jan Singer, Research Assistant, University of Stuttgart
- 12:25 Q&A**
- 12:40 Networking LUNCH**
- 13:55 Dessert Break with Exhibit & Poster Viewing**

Lithium-Ion Battery Safety and Abuse Tolerance

- 14:40** **Chairperson's Opening Remarks**
Heinz-Willi Vassen, Manager Energy and Storage Systems, Audi AG
- 14:45** **Safety Testing for xEV Batteries – Comparison of Test Standards and Validation Procedures** *****
Michael Geppert, Chief Engineer, TÜV SÜD Battery Testing GmbH
- 15:05** **Flammability of Li-Ion Battery Electrolytes** ****
Dr. Mario Wachtler, Team Leader, ZSW – Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg
- 15:25** **Detection and Characterization of Lithium Plating in Commercial Cells** *****
Dr. Michael Danzer, Head of Department (Deputy), Electrochemical Accumulators (ECA), ZSW – Zentrum für
- 15:45** **Safety Enhancement Technology for Hard Shorts in Contrast to Soft Shorts** *****
Dr. Brian Barnett, Vice President, TIAX LLC
- 16:05** **Fault-Tolerant BMS Design Concept** *****
Minkyu Lee, CTO, Navitas Solutions, Inc.
- 16:25** **Q&A**
- 16:45** **Networking Reception with Exhibit & Poster Viewing**
- 17:45** **Close of Day**

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