

Tuesday Wednesday Thursday

# 14th July

Room	Conclusion	Fantasie 1	Harmonie 1	Harmonie 2	Illusion 2	Illusion 1	Spektrum
9:00 AM			<p>KEYNOTE: The Electron Driving Experience - Boon and bane of electrical storage technologies</p> <p><b>Armin Schnettler</b> VDE e.V</p>	<p>KEYNOTE: The Electron Driving Experience - Boon and bane of electrical storage technologies</p> <p><b>Armin Schnettler</b> VDE e.V</p>			
10:00 AM			<p>KEYNOTE: Towards Carbon Neutral Society -Honda Mobile Power Pack-</p> <p><b>Kazuyuki Iwata</b> Honda R&amp;D Co. Ltd.</p>	<p>KEYNOTE: Towards Carbon Neutral Society -Honda Mobile Power Pack-</p> <p><b>Kazuyuki Iwata</b> Honda R&amp;D Co. Ltd.</p>			
11:00 AM	COFFEE BREAK						

	<p>Future of Battery Management is Battery Intelligence</p> <p><b>N. N</b> ION Energy</p>	<p>Global Certification and Testing for Batteries</p> <p><b>Beat Kreuter</b> DEKRA Certification B.V.</p>	<p>NMC vs LFP: How chemistry, technology, markets and policies shape the future</p> <p><b>Niccolò Campagnol</b> McKinsey</p>	<p>Battery safety with an emphasis on emissions from Li-Ion batteries</p> <p><b>Natalia Lebedeva</b> European Commission Joint Research Centre - Directorate C -...</p>	<p>Getting the software around batteries right – and how data-driven analytics can help</p> <p><b>Henning Bruestle</b> TWWCE Technologies GmbH</p>	<p>Fast-charging in practice – a way to get it done!</p> <p><b>Jan Richter</b> Batamo GmbH</p>	<p>Future-proof investment: lithium-ion batteries for automotive applications</p> <p><b>Stefan Bergold</b> Farasis Energy Europe GmbH</p>
12:00 PM	<p>Design Considerations to select a gauging algorithm</p> <p><b>Philipp Stookmar</b> Texas Instruments, Inc.</p>	<p>Review, augmentation and harmonisation of current Lithium-ion battery testing standards</p> <p><b>Bhavya Kotak</b> Technische Hochschule Ingolstadt</p>	<p>Challenges for ReX: Aging, automation and battery design</p> <p><b>Heiner Hans Helmes</b> Lehrstuhl PEM der RWTH Aachen</p>	<p>Current aspects of the safety of lithium ion batteries</p> <p><b>Michael Abert</b> Fraunhofer-Institut für Chemische Technologie ICT</p>	<p>Improved prediction of aging in Li-ion batteries for accelerated development</p> <p><b>Matthias Puchta</b> Fraunhofer IEE</p>		<p>Introduction of Frey's business strategy</p> <p><b>Soohiya Inagaki</b> FREYR</p>
	<p>Battery development, a case study</p> <p><b>Nicholas Savenild</b> Atlas Copco Industrial Technique AB</p>	<p>Trends in Battery Standardization</p> <p><b>Kerstin Sann-Ferro</b> DKE / VDE</p>	<p>Bankability of ESS</p> <p><b>Burkhard Holder</b> VDE RE / VDE RE ASIA</p>	<p>Improving the Safety of Batteries</p> <p><b>Peter Kritzer</b> Freudenberg Sealing Technologies GmbH &amp; Co.KG</p>	<p>Enabling active and passive battery safety through virtual development</p> <p><b>Jürgen Bohnelder</b> AVL List GmbH</p>	<p>Implementation of ESS and charging technologies</p> <p><b>Andreas Paul</b> Inventus Power</p>	<p>Li-Ion Battery Cell Packaging Components Formats, Manufacturing, Challenges</p> <p><b>Volker Seefeldt</b> SFT Consulting</p>
1:00 PM	LUNCH BREAK						
2:00 PM	LUNCH BREAK						
	<p>Critical design factors for high-side NFET power control in 48V LEV BMS</p> <p><b>Luca Sturmfeld</b> BMZ USA Inc.</p>	<p>Safety and performance of batteries – technical aspects in a policy context</p> <p><b>Andreas Pfrang</b> European Commission - DG Joint..</p>	<p>Large scale, low-cost electricity storage</p> <p><b>Guido Delecci</b> Elrad International</p>	<p>Kreisell – Pioneer of immersion cooling technology</p> <p><b>Markus Kreisell</b> KREISEL Electric GmbH &amp; Co. KG</p>	<p>Prediction of Battery Degradation for Evs</p> <p><b>Christoph Kroener</b> Robert Bosch GmbH</p>		<p>In-line Monitoring of Battery Electrode Production</p> <p><b>Henning Heuer</b> Fraunhofer IKTS</p>
3:00 PM	<p>BMS – efficient and demand-oriented</p> <p><b>Stefan Betzold</b> Systemtechnik LEBER GmbH &amp; Co. KG</p>	<p>Battery homologation according to ECE R100 – content, recent developments and planned changes</p> <p><b>Matthias Hertle</b> TÜV SÜD Battery Testing GmbH</p>	<p>Machine Learning to determine aging of Li-ion batteries</p> <p><b>Michael Hess</b> Batronics AG</p>	<p>Qualitätstest von Batterien in der Umweltsimulation mit besonderer Berücksichtigung der Sicherheitsaspekte</p> <p><b>N. N</b> ---</p>	<p>EIS-based aging assessment of Li-ion cells</p> <p><b>Pietro Iurilli</b> CSEM SA</p>	<p>Novel Autonomous Charging Stations for Light Electric Vehicles</p> <p><b>Oliver Lang</b> Sonnenrepublik GmbH</p>	<p>Future Smart Battery Factories</p> <p><b>Klaus Eberhardt</b> Exyte Management GmbH</p>
	<p>The Emergency Stop for Batteries – A smart way to a Functional Safe BMS</p> <p><b>Maro Bringeland</b> FSM AG</p>	<p>Safety certifications for secondary lithium batteries</p> <p><b>Bernhard Krämer</b> RRC power solutions GmbH</p>	<p>Global Battery Market Outlook and Key Issues</p> <p><b>Vincent Kim</b> SNE Research</p>	<p>How battery calorimeters can help in advancing thermal management and safety of cells and packs</p> <p><b>Carole Ziebert</b> Karlsruher Institut für Technologie...</p>	<p>Parameterization of Battery Aging Models based on High Precision Coulometry</p> <p><b>Peter Kell</b> Battery Dynamics GmbH</p>	<p>Electrified aviation on extreme Fast Charging LIB</p> <p><b>BJ Ferng</b> NiveauUP Inc.</p>	<p>Improve yield with Industry 4.0 Cell Mfg Software</p> <p><b>Bob Zollo</b> Keysight Technologies, Inc.</p>

4:00 PM

COFFEE BREAK

The end of range anxiety thanks to fast charging and immersion cooling in BEVs

**Antoine Dubreuil**  
EXDES

AI-aided Welding Systems for Electrification

**Giovanni Di Stefano**  
Comau SpA

Data-Driven Li-Ion Battery Aging Models: A Machine Learning Approach To Learn From Operation Data

**Egoltz Martinez-Lacerna**  
...

Possibilities to suppress the thermal propagation in lithium-ion cell modules

**Olef Böse**  
Zentrum für Sonnenenergie- und...

Fully continuous mixing technology for both conventional electrode slurry and solvent-reduced electrode masses

**Philipp Stöckel**  
...

Continuous Extrusion of electrode materials

**Markus Fiedler**  
Coperion GmbH

5:00 PM