

DAY 1 - April 10, 2019

TOD	TUTORIAL 1: Lithium-Ion Battery Technology	TUTORIAL 2: Handling of HV-Batteries	TUTORIAL 3: The Rechargeable Battery Market	TUTORIAL 4: Advanced Cell Materials	TUTORIAL 5: Lithium Battery Transport by Air
8:30 AM	René Breitenbach, BMZ GmbH	Rüdiger Mann, Hochschule Aschaffenburg	Christophe Pillot, AVICENNE Développement	Dr. Kai-Christian Möller, Fraunhofer Battery Alliance	Eva Glimsche, Lithium-Batterie-Service GbR
10:30 AM	Coffee Break				
11:00 AM	TUTORIAL 6: Battery Management Systems	TUTORIAL 7: LIB and material market based on expanding xEV	TUTORIAL 8: Lithium-Ion Battery Raw Materials 101	TUTORIAL 9: All-Solid-State Technology	TUTORIAL 10: Worldwide Market Access for Lithium Batteries
	Kevin Den Toon, Texas Instruments, Inc.	Sachiya Inagaki, Yano Research Institute Ltd.	Simon Moores, Benchmark Mineral Intelligence	Dr. Martin Finsterbusch, Forschungszentrum Jülich	Beat Kreuter, DEKRA Certification B.V.
1:00 PM	Lunch Break				
3:00 PM	TUTORIAL 11: Battery Safety	TUTORIAL 12: Charging	TUTORIAL 13: Cell Design and Manufacturing	TUTORIAL 14: Lithium Sulfur Technology	Tutorial 15: Recycling
	Samuel De-Leon, Shmuel De-Leon Energy, Ltd.	Lucas Sturmfield, BMZ USA Inc.	Dr. Stefan Permien, Customcells Itzehoe GmbH	Dr. Holger Althues, Fraunhofer-Institut für Werkstoff- und Strahltechnik IWS	Klaus Sparr, Umicore AG & Co. KG
5:00 PM	GET-TOGETHER				



DAY 2 - April 11, 2019

Keynote Presentations															
TOD	Speaker	Title	Company	Company											
8:30 AM		Welcome		BatteryUniversity GmbH											
8:35 AM	Sven Bauer	The Future of Batteries. Trend, Price, Technology and Main Markets		BMZ Innovation Group											
10:15 AM	Coffee Break														
	World Market			Electric Mobility			Safety and Life-time			Functional Safety and Battery Management			Standards and Regulations		
Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	
11:00 AM	Dr. Tadashi Senoo	Murata's Portfolio of Power and Garden Tool Cells	Murata Elektronik GmbH	Theodore Zannakis	tbd	LOTUS CARS LIMITED	Prof. Dr. Egbert Figgemeier	Coupling of Electrochemical and Mechanical Effects in LIB and its impact on Lifetime	Forschungszentrum Jülich GmbH	Andreas Engelhardt	Functional Safety and Battery Management Solutions	Analog Devices, Inc.	Beat Kreuter	Global Certification & Testing for Batteries	DEKRA Certification B.V.
11:30 AM	Mike Sheppard	Global Cell Production Overview	Power Technology Research LLC	Dr. Kyriakos Georgiadis	Are eVTOLs viable with current-generation cells? - Design choices for the Volocopter battery system.	Volocopter GmbH	Dr. Andreas Pirang	Thermal runaway initiation and propagation in Li-Ion batteries	European Commission - DG Joint Research Centre	Andreas Wagner	tbd	dSPACE GmbH	Tobias Plettner	North American market access for OEMs and system integrators of medium and large battery formats in motive and stationary applications	UL International Germany GmbH
12:00 PM	Samuel de-Leon	Fast Charging Li-Ion Battery Market 2018	Shmuel De-Leon Energy, Ltd.	Dr. Stéphane Foulard	AI-driven electric vehicle design and failure prediction by real-time monitoring	COMPREDICT GmbH	Dr. Michael Abert	Safety Aspects of Lithium-Ion Batteries	Fraunhofer-Institut für Chemische Technologie ICT	Andreas Riedenaier	Designing Qi Standard Wireless Charging Devices with Microcontrollers	INELTEK Mitte GmbH	Rene Schroeder	Post European elections 2019 - what's next for automotive and industrial batteries	EUROBAT
12:30 PM	Lunch Break												## Presse Round Table		
2:00 PM	Christophe Pillot	The rechargeable Battery Market: c-value chain and main trends 2017-2025	Avicenne Energy	Markus Theine	Solutions for an electrified world	KREISEL Electric GmbH & Co. KG	Dr. Henning Lorrmann	Influence of mechanical pressure on lithium-ion cell safety behavior	Fraunhofer ISC	Jörg Weeger	Different Aspects of managing a BMS Pack and some tips to consider during the design and production	Renesas Electronics Europe GmbH	Wlfrid van Laarhoven	UNECE approval testing and certification of batteries for vehicles	DEKRA Certification B.V.
2:30 PM	Dong Wook Chun	Charging your future	LG Chem Europe GmbH	Michael Düde	Eurabus e-drive concept for busses & other commercial vehicles	Eurabus GmbH	Frank Richter	Life-time and internal temperature profile assessments of LIBs	Siemens AS	Jörg Wittmer	Smart Battery Management for complex Systems	FSM AG	Wenzel Prochazka	Battery Benchmark - A glimpse to battery knowhow	AVL Deutschland GmbH
3:00 PM	Dr. Stefan Permien	Relationship between Cost, Chemistry and Process - the enabler to interpenetrate the world market for automotive batteries	Customcells Itzehoe GmbH	Dr. Tim Hettelsheimer	Development prospects for cell formats of lithium-ion batteries in electromobility	Fraunhofer ISI	Dr. Michael Hess	Aging of NCA cathodes in Li-Ion batteries	Batronics AG	Kevin den Toon	Integrated solutions to manage, monitor, gauge and protect battery packs	Texas Instruments, Inc.	Dr. Axel Metz	Design and test requirements for lithium-battery-based energy storage systems	VDE Renewables GmbH
3:30 PM	Coffee Break														
4:00 PM	Sachiya Inagaki	LIB cell and material marketing strategy in xEV era	Yano Research Institute Ltd.	Norbert Riegel	Low voltage batteries for future emobility	LG Chem Europe GmbH	Kamal Shah	Battery Testing to Comprehend Support for Bursty Workloads for Mobile PCs	Intel Corp.	Alexis Adenot	BMS reliability of Integrated Circuit: hotplug, EMC and Safety	NXP Semiconductors	Dr. Andreas Piepenbrink	tbd	ES/DC GmbH
4:30 PM	Michael Schmidt	The Lithium Market into 2025 and future demand drivers	Bundesanstalt für Geowissenschaften und Rohstoffe	Stephan Runde	ISCAD - High power traction at low voltage	volabo GmbH	Manfred Przybilla	BattHEALTH - Battery Life Cycle Tracking	Ambibox GmbH	Tom Thomson	Battery protection in Power systems and high power equipment	Dexerials Corporation	Oliver Koch	Grid Services and Virtual Power Plants - Distributed Storage as the Centre Piece for the Renewable Energy Revolution	sonnen GmbH
5:00 PM	Anton Ekeström	The World's Greenest Battery	Northvolt AB	Peter Wambaganß	Inductive Charging for Electric Vehicles	WITricity Corporation	Dr. Peter Kail	Aging and Quality Analyses for Li-Ion Batteries based on High Precision Current Measurements	Battery Dynamics GmbH	Cédric Loubat	tbd	NEOGY	Sven Albersmeier-Braun	Residential energy self sufficiency - Peace of mind and innovative usage concepts	SENEC GmbH
5:30 PM	AFTER-SHOW-PARTY														

DAY 3 - April 12, 2019

Keynote Presentations																		
TOD	Speaker	Title	Company	Company														
8:30 AM		Welcome		BatteryUniversity GmbH														
8:35 AM	Prof. Dr. Dirk Uwe Sauer	Challenges for battery system and battery management designs for highly reliable and ultra-fast charging applications		RWTH Aachen - ISEA														
9:25 AM	Dr. Joachim Döhner	Automation in Battery Production - Why, Where, How and How Much?		KUKA Germany GmbH														
10:15 AM	Coffee Break																	
	World Market			Battery Architecture and Production			Next Gen Materials			Charging			Transport			Cell and Battery Components		
Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	Speaker	Title	Company	
11:00 AM	Joe Fisher	Lithium Werks - the new fast growing "Power House"	Lithium Werks	Prof. Dr. Kai Peter Birke	Artificial Intelligence as a future part of battery design and production	University Stuttgart	Dr. Sumin Zhu	Solid Electrolyte Materials	Ampera Inc.	Lucas Sturmfield	Beyond CC/CV: Evolutions in Charging Technology and the Impacts on BMS Principles	BMZ USA Inc.	Prof. Dr. Norbert Müller	Amendments 2019/2020/2021 focus lithium batteries: learning from burning	Schenker AG	Dr. Jobst Kerspe	Multifunctional Battery Housing in GVI Technology	KÖNIG METALL GmbH & Co. KG
11:30 AM	Simon Moores	The Lithium Ion Battery Megafactories are here	Benchmark Mineral Intelligence	Dr. Marcel Wilka	From Single Cell to High Performance Battery Pack	ANDREAS STIHL AG & Co. KG	Dr. Peter Althues	Impact of new electrolytes on performance of Lithium-Sulfur-Battery cells	Fraunhofer-Institut für Werkstoff- und Strahltechnik IWS	Patrick Goyer	tbd	Fronius Deutschland GmbH	Eva Glimsche	New and changed transport regulations for lithium batteries on all transport modes	Lithium-Batterie-Service GbR	Dr. Peter Kritzer	How Sealing Components can Improve Battery Safety and Reliability	Freudenberg Sealing Technologies GmbH & Co. KG
12:00 PM	Kjungjoon Park	Cells from Samsung for the future	Samsung	Andreas Mück	From cradle to cradle - Efficient automation planning for the battery production	Manz AG	Ionel Stefan	Silicon Nanowire anode for High Energy Density batteries	Amprion Technologies Inc.	Christian Wern	Wireless Power - Cost Reduction through Application-specific Optimizations	etatronix GmbH	Christian Breuer	Transport packaging for damaged and defective lithium batteries	Alex Breuer GmbH Industrieverpackungen	Dr. Stefan Trube	Ultrasonic metal welding - a key process for e-mobility	Schunk Sonosystems GmbH
12:30 PM	Lunch Break																	
2:00 PM	Hao Yang	BYD capabilities	BYD Germany GmbH	Dr. Kai-Christian Möller	The Fraunhofer-Study on the Influence of Cell Formats	Fraunhofer Battery Alliance	Dr. Jean-Francois Drillet	Potentials and limitations of metal/air and multivalent metal-ions batteries	DECHEMA-Forschungsinstitut	Dr. Michael Buser	Lithium Batteries - Fire Hazards and Safety Rules	HDI Risk Consulting GmbH	Klaus Sparr	The importance of Recycling for the electrification of vehicles	Umicore AG & Co. KG	Dr. Ralph Schäfer	Application of the Electromagnetic Pulse technology (EMPT) in manufacturing of electromobility products	PST products GmbH
2:30 PM	Richard Hsieh	Business Opportunities Regarding China's xEV Sales Leading OEMs	ITRI	Dr. Sarah Michaelis	Technology and market perspective from the point of view of battery mechanical	VDMA	Dr. Yuto Izuka	Super high ionic conductivity electrolyte for lithium ion battery	Ashei Kasei Europe GmbH	Olegs Murashkins	Microcapsules - new approach to passive fire extinguishing	New Innovation Technologies Company	Dr. Jens Peters	Recycling of secondary batteries - Challenges and potentials for a circular economy	Helmholtz Institut für Elektrochemische Energiespeicher HIJ	Volker Buchmann	Design of rupture discs based on automotive standards	Hugo Benzling GmbH & Co. KG
3:00 PM	Kevin Wang	World Lithium-Ion Battery Market - China Market Analysis	Tianjin Lishen Battery Joint Stock Co., Ltd.	Robert Stanek	Next Generation Cell and Battery Systems for 2025 - Potentials of a Raw Material and Cost Perspective	P3 group	Dr. Martin Finsterbusch	Optimization potential and design guidelines for ceramic all-solid-state Li-Batteries (Li-ASBs)	Forschungszentrum Jülich	Michael Knobloch	An economical and ingenious solution for test bench and quarantine containers for HV lithium-ion batteries	GENIUS Technologie GmbH	Prof. Dr. Vera Rotter	Recyclability of LIBs	Technische Universität Berlin	Jonas Claus	Powerful valve technology for the production of lithium-ion cells	GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
3:30 PM	Panel Discussion: What will be the world market in 2025? (Avicenne, Simon Moores (Benchmark Mineral Intelligence), Lithium Werks, Sven Bauer (BMZ), Dong Wook Chun (LG))																	
4:15 PM	AFTER-SHOW-SNACK																	