Poster contributions

Poster number	Participant	University/affiliation	Title
Analytics and environment			
P1-01	Julius Buchmann	MEET Battery Research Center	SPE-GC-FID: Developing a Quantitative Method for Analysing LIB Electrolyte Residues in Industrial Wastewaters
P1-02	Julia Dressler	University of Muenster	NCM cathode materials and its Ni leaching and toxicity to the environment
P1-03	André Hemmelder	University of Münster	The Geostrategic Race for Leadership in Future Electric Vehicle Battery Technologies
P1-04	Jakob Michael Hesper	MEET	Detailed Study of Elecotrlyte Residues in Shredded Lithium Ion Battery Recyclate
P1-05	Elisabeth Muschiol	University of Münster, Institute of Food Chemistry	Studies on the toxicology of electrolyte additives – mechanisms and changes during cycling
P1-06	Luca Stegemann	IfbM Universität Münster	Environmental Impacts of Pyro- and Hydrometallurgical Recycling for Lithium-Ion Batteries - A Review
P1-07	Anjumole Thomas	MEET	application of green solvent in LIB recycling
Materials			
P2-01	Barış Cem Alpay	MEET	The Effect of Mn:Co ratio on High Nickel Layered Oxide Cathode Active Materials
P2-02	Linus Altemöller	University of Münster	Polymeric Solid-Booster Materials for Redox-Flow Batteries
P2-03	Tio Arifiadi	MEET Battery Research Center - University of Münster	Elimination of Dendritic Lithium Plating Enabled by LiBF4 or LiDFOB Prevents Rollover Failure in High-Voltage Li ion cells
P2-04	Sajal Arwish	University of Münster, Institute of physical chemistry	Diffusion study of zwitterionic homopolymer (pMPC) supported ionic liquid ionogel electrolytes
P2-05	Simon Buyting	Institute of Physical Chemistry, University of Münster	Investigating Battery Electrolytes with 4-Electrode Electrophoretic NMR
P2-06	Eliana Fuentes Mendoza	Karlsruhe institut fur technologie	Titanium Carbide (MXenes) as Passive components for Aluminum Batteries
P2-07	Maike Gnutzmann	BACCARA, MEET	Understanding Direct Cathode Recycling at the Material Level
P2-08	Seung Heon Han	University of Twente	Epitaxial control in thin film microbatteries
P2-09	Matthias Hartmann	University of Münster	Synthesis and analysis of sulfidic K+ conducting solid electrolytes
P2-10	Steffen Heuvel	University of Münster	Exploring a Novel Fluorine-Free Compound Outperforming FEC as an Electrolyte Additive in SiOx-Containing LIBs
P2-11	Lukas Ketter	University of Muenster	Using resistor network models to predict the transport properties of solid-state battery composites

P2-12	Ibrahim Lawan Abdullahi	BACCARA	A Perspective on a Pragmatic Method for Systematic Anode R&D via Simple Li Excess Cells: Advantages of Considering Active Li Losses and Mimicking Charge Capacities of Li Ion Batteries
P2-13	Marco Lüther	MEET Battery Research Center	Ideas about 'single-crystal' layered oxide cathode active materials – Known truths or common misconceptions?
P2-14	Oliver Maus	Baccara	Influence of post-synthesis processing on the structure, transport, and performance of the solid electrolyte Li5.5PS4.5Cl1.5 in all-solid-state batteries
P2-15	Bibek Samanta	Institut für Physikalische Chemie, Universität Münster	Investigating Structure and Ion Dynamics in Solid Electrolytes using Solid-State NMR
P2-16	Dana Schmidt	Forschungszentrum Jülich (Institut of Energy Technology, IET-1)	Impact of carbonization temperature on the structure and Li deposition behavior on 3D dual metal carbon fibers
P2-17	Karin Sowa	BACCARA	New Redox Active Material for Full Organic Redox Flow Batteries
P2-18	Ruochen Xu	KIT/IAM-ESS	Upscaling for hierarchically structured Co/Ni free Mn based layered oxide for SIB cathode

Modeling and simulations			
P3-01	Chinwendu Nancy Anabaraonye	University of Muenster	Powering the Future: Ionic Transport Race Between Lithium and Sodium in Non-Aqueous Electrolytes
P3-02	Tim Greitemeier	Institut für Wirtschaftschemie	Mapping intellectual property in battery cell production: An international perspective
P3-03	Jan Pleie	Helmholtz-Institut Münster	Novel cell design for conductivity measurements of polymer electrolytes
P3-04	Simon Schlehuber	Intitute of Business Administration at the Deparment of Chemistry and Pharmacy, University of Munster	Collaboration networks and key knowledge areas in lithium ion battery recycling: A patent analysis
P3-05	Lisa Schlott	University Muenster	Cost trends of LIB recycling - systematic literature review
P3-06	Philipp Voß	University of Münster	Benchmarking state-of the art sodium-ion batteries – Modelling energy density and carbon footprint on gigafactory scale
P3-07	Alexander Weiß, Moritz Pawlowsky	Centre for Materials Research, Justus Liebig University Giessen	Semantic Image Segmentation of Composite Cathodes Using Convolutional Neural Networks with Synthetic Training Data