



7th Nordic Battery Conference in Espoo, Finland
September 22nd – 24th, 2026

Scientific Programme

Updated 2.9.2026



Full Programme

	Monday	Tuesday	Wednesday	Thursday
	September 21st	September 22 nd	September 23rd	September 24th
9:00		Registration	Session 5	Session 9
9:20		Conference opening		
9:40		Session 1		
10:20		Coffee		
10:40		Session 2	Session 6	Session 10
12:00	Registration&lunch	Lunch		
13:00	Preconference	Session 3	Session 7	Session 11
14:00				Conference closing
14:40		Coffee		
15:10	Coffee	Session 4	Session 8	
15:30	Preconference			
17:00		Poster Session		
19:00			Conference Dinner	

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**VISIT
ESPOO**

**Student Pre-Conference: Monday September 21st**

Venue: Lumituuli Auditorium

Time	What	Presenter	Title
12:00	Registration & Lunch		
13:00	Meet & Greet	Talha Nafees	
	Session 1: Chair Alisa Bogdanova		
13:40	Invited	Kirsi Jalkanen, Sandvik	From PhD to Industry
14:00	Invited	David Fewer, Aalto University	Early Career Research Funding
14:20	Invited	Prof. Yaolin Xu, Aalto University	Increasing Preparedness for an Independent Research Career
14:40	Invited	Wouter Badenhorst, Halide Energy	From Papers to Products: Scaling Deep Tech Out of the Lab
15:00	Coffee Break		
	Session 2: Chair Doniyor Urishov		
15:30	Flash Presentation	Caroline Birksø Eriksen, Aarhus University and Dbi	Fire forensic analysis of lithium-ion batteries
15:35	Flash Presentation	Niks Smelters, University of Latvia	Synthesis of lithium-rich cobalt-free layered oxide cathode material $\text{Li}_{1.16}\text{Ni}_{0.19}\text{Fe}_{0.18}\text{Mn}_{0.46}\text{O}_2$ and its electrochemical properties
15:40	Flash Presentation		
15:45	Flash Presentation	Salma Belkhadim, Uppsala University	Operando Gas Analysis to Detect Lithium Plating in Li-ion Batteries during Fast Charging
15:50	Flash Presentation	Olli Juntunen, Oulu University	Sodium-ion battery Na-site doping: effects of metal ordering and defect engineering
15:55	Flash Presentation	Glen Pauls, VTT Technical Research Centre of Finland	Leveraging black liquor inorganics to catalytically crosslink kraft lignin and produce morphology defined hard carbons
16:00	Break		
16:05	Flash Presentation	Raphael Hauk, TU Wien	Oxygen-Ion Batteries: A next-generation solid-state energy storage solution
16:10	Flash Presentation	Chuyue Li, Aalto University	From Screening to Mechanism-Informed Analysis: A Standardized High-Throughput Electrochemistry Platform for Redox Species Discovery
16:15	Flash Presentation	Arpit Dutta, Luleå Tekniska Universitet	Fluorine-Free Sulfonate Ionic Liquids and Battery Electrolytes
16:20	Flash Presentation	Lotta Lassila, Politecnico di Torino and Aalto University	On-site direct recycling of LFP production scrap as local raw material source for European batteries
16:25	Flash Presentation	Shaik Thamjeed Chemnad Mahin, University of Agder	Toward Electrode-Resolved Parasitic Reaction Enthalpy Analysis for Early Detection of Aging in Lithium-Ion Batteries
16:30	Closing pre-conference		

**Teacher Pre-Conference: Monday September 21st**

Venue: Palaver meeting room

Time	What	Presenter	Title
12:00	Registration & Lunch		
13:00	Introductions		
	Session 1: Chair		
13:20	Invited	Prof. Arghya Bhowmik, Technical University of Denmark	Learning, Living and Linking Disciplines: Lessons from the Joint European Summer School on Battery and Electrochemical Energy Technologies
13:40	Invited	Prof. A. M. Kannan, Arizona State University	
14:00	Invited	Prof. Jonas Mindemark, Uppsala University	Cross-university educational efforts in Sweden within the Compel initiative
14:20	Invited	Kirsi Kokkonen, LUT University	Beyond Technical Skills: Teaching Ethics in Engineering
14:40	Invited	Sami Tuomi, Skeleton Technologies	Entrepreneurial mindset in battery education
15:00	Coffee Break		
	Session 2: Chair		
15:30	Invited	Prof. Rafal Sliz, Oulu University	A Browser-Based Virtual Battery Laboratory for Interactive Physics-Based Learning
15:50	Panel Discussion	Panel host: Juho Heiska, Seinäjoki University of Applied Sciences	Panel: Prof. Jonas Mindemark, Uppsala University Prof. Ann Mari Svensson, NTNU Prof. Rafal Sliz, Oulu University Prof. Arghya Bhowmik, DTU Sami Tuomi, Skeleton Technologies
16:30	Closing pre-conference		

**Day 1: Tuesday September 22nd**

Venue: Kaleva Hall

Time	What	Presenter	Title
9:00	Registration		
9:20	Conference opening	Olli Sorsa, VTT, Finland	Welcome to NordBatt 2026
	Session 1 Chair Olli Sorsa		
9:40	Invited	Samson Yuxiu Lai, IFE Institute for Energy Technology, Norway	Smart Batteries: Sensing and Self-Healing Progress and Challenges from the SALAMANDER Project
10:10	Industry	Lotta Gustavsson, Skeleton Technologies, Finland	Making high-power batteries through aqueous electrode production
10:20	Coffee Break		
	Session 2: Chair		
10:40	Industry	Ziyi Shi, Nordic Biographite	
10:50	Oral	Yury Ivanov, LUT University, Finland	Machine learning-based State-of-Health estimation of Lithium-Ion batteries from narrow voltage intervals
11:10	Oral	Ekta Singh Shrinet, University of Agder, Norway	A Multi-Scale Framework for Holistic Prismatic Battery Thermal Management: Coupling Internal Dynamics with External Regulation
11:30	Oral	Georg Roeder, Fraunhofer IISB, Germany	A dual-head temporal convolutional network approach for cloud-based battery state-of-health prognostics in a digital twin
11:50	Industry	, Ioncor, Finland	
12:00	Lunch		
	Session 3 Chair Wessel van Ekeren		
13:00	Invited	Prof. Arghya Bhowmik, Technical University of Denmark, Denmark	Towards Differentiable, Machine-Learning-Accelerated Battery Simulations Across Scales
13:30	Oral	Johannes Bakkelund, University of Agder, Norway	Electrolyte motion induced solid-phase lithium inhomogeneity in lithium-ion batteries
13:50	Oral	Amber Mace, Uppsala University, Sweden	Modeling Ion Transport in Solid-State Electrolytes: From the Perspective of Potential Energy Surfaces
14:10	Oral	Doniyor Urishov, VTT, Finland	Multi-scale degradation modelling of lithium-ion batteries
14:30	Industry	Simon Steensen, PhaseTree A/S, Denmark	Accelerating Battery Innovation through Multiscale Modeling: PhaseTree's Integrated Approach
14:40	Coffee Break		
	Session 4 Chair Prof. Johannes Landesfeind		
15:10	Invited	Prof. David Hall, University of Stavanger, Norway	Entropy Sinks the Convex Hull in Sodiated Black Phosphorus
15:40	Oral	Yaqi Li, Aalborg University, Denmark	In situ monitoring of Lithium-ion Battery Health Using Acoustic Emissions
16:00	Oral	Mahla Bakhshi, University of Agder, Norway	Novel quantification techniques for electrolyte motion induced salt inhomogeneity in aged battery electrodes
16:20	Oral	Ulriika Mattinen, University of Turku, Finland	Harvesting chemical aging data from batteries with gas sensors
16:40	Industry	Prof. Eric Logan, TA Instruments, Sweden	Isothermal microcalorimetry techniques for assessing battery degradation: Theory and application
16:50			Greetings from City of Espoo
17:00	Poster Session		

**Day 2: Wednesday September 23rd**

Venue: Kaleva Hall

Time	What	Presenter	Title
	Session 5 Chair Amber Mace		
9:00	Plenary	Prof. Corsin Battaglia, Empa, ETH, EPFL, Switzerland	Understanding and Controlling Solid Electrolyte Interphase Formation in Lithium-Ion Batteries
9:40	Oral	Deobrat Singh, KTH Royal Institute of Technology, Sweden	Li ₃ OCl Li Interfaces for Solid-State Batteries: A Defect-Engineering Study
10:00	Oral	Jiaqi Huang, Luleå University of Technology, Sweden	Nano-confinement engineered glassy MOF electrolytes for high-performance lithium metal batteries
10:20	Coffee Break		
	Session 6 Chair Amalie Skurtveit		
10:40	Invited	Prof. Claudio Gerbaldi, Politecnico Torino, Italy	Polymer-based electrolytes for solid-state batteries, addressing energy density, safety and sustainability
11:10	Oral	Isabelle Abbas, NTNU, Norway	Synthesis of asymmetric sodium spiroborate monomers for single-ion sodium conducting polymer electrolytes
11:30	Oral	Hazzalea Elyse Reyes, Åbo Akademi, Finland	Nanocellulose Fibril-Templated Preparation of Na _{1+x} Zr ₂ Si ₆ P ₃ -xO ₁₂ (NZSP) NASICON Electrolytes
11:50	Industry	William Brant, Altris Ab, Sweden	Sodium-ion batteries designed for energy resilience
12:00	Lunch		
	Session 7 Chair Prof. Ulla Lassi		
13:00	Plenary	Prof. Magda Titirici, Imperial College London, United Kingdom	Beyond Li: Na, K and Al based batteries-progress, challenges and prospects
13:40	Oral	Anders Gaarud, KTH Royal Institute of Technology, Sweden	Insights into the electrochemical performance of hard carbon from wood in Na-ion battery negative electrodes
14:00	Oral	Alireza Rahmani, University of Eastern Finland, Finland	ALD Al ₂ O ₃ artificial SEI for improved stability of porous silicon anodes
14:20	Oral	Prof. Patrik Johansson, Uppsala University, Sweden	Entropy, Electrolytes and Electrodes
14:40	Coffee Break		
	Session 8 Chair		
15:10	Invited	Prof. Kerstin Forsberg, KTH Royal Institute of Technology, Sweden	Understanding the impact of solid impurities in battery recycling
15:40	Oral	Jere Leinonen, Oulu University, Finland	Effect of Calcination on Full-Cell Performance of P2-Na _x Fe _{1/2} Mn _{1/2} O ₂ Cathode
16:00	Oral	Mohamad Khoshkalam, Technical University of Denmark, Denmark	Layered Oxide Cathodes with Ambient Processing for Potassium-Ion Batteries
16:20	Oral	Marie Uth, Aarhus University, Denmark	Developing zwitterionic binder systems for water-processable lithium-ion battery cathodes with high voltage stability
16:40	Oral	Prof. Pekka Peljo, Aalto University, Finland	Improving the performance of solid boosters in flow batteries
17:00			
19:00	Conference Dinner at Dipoli		

**Day 3: Thursday September 24th**

Venue: Kaleva Hall

Time	What	Presenter	Title
	Session 9 Chair		
9:00	Invited	Prof. Linas Vilčiauskas, FTMC, Lithuania	Design and Advanced Characterization of Aqueous Na- and Zn-Ion Battery Materials
9:30	Oral	Wessel van Ekeren, Technical University of Denmark, Denmark	Automated development of PFAS-free aqueous electrolytes for Na-ion batteries
9:50	Oral	Nils Peter Wagner, Sintef, Norway	Revisiting spiroborate salts beyond bis(oxalate) borate as fluorine free electrolytes for sodium ion batteries
10:10	Industry	Samuli Räsänen, Hycamite, Finland	From methane to battery-grade graphite: production, properties and electrochemical performance
10:20	Coffee Break		
	Session 10 Chair Tuomas van der Meer		
10:40	Invited	Prof. Mari Lundström, Aalto University, Finland	The role of electrified hydrometallurgical unit processes in Li-battery recycling
11:10	Oral	Gulsah Tas, Aalto University, Finland	An investigation on the pyrolysis, flotation and leaching for the recycling of spent lithium-ion batteries
11:30	Oral	Simon Duda, Chalmers University of Technology, Sweden	Insights into the pre-treatment of spent LFP (LiFePO4) EV batteries for direct recycling purposes
11:50	Industry	Martta Ääri, Fortum, Finland	Enabling Industrial-Scale Battery Recycling: Insights from an Innovation Fund Project
12:00	Lunch Break		
	Session 11 Chair		
13:00	Oral	Zelalem Bitew Deress, NTNU, Norway	Transport Numbers of Ion-Exchange Membranes in Divalent Sulfate Electrolytes for Lithium- Ion Battery Recycling Applications
13:20	Oral	Kasper Westman, Chalmers University of Technology, Sweden	The secret life of e-scooter batteries
13:40	Oral	Fride Vullum-Bruer, Sintef Energi, Norway	Analysis of optimization strategies for utilization of second life BESS to achieve maximum savings
14:00	Conference closing	Olli Sorsa, VTT, Finland	Closure + NordBatt 2028

**List of Posters**

Venue: Capitolum

Poster ID	Presenter	Title
1	Marita Afiandika, Chalmers University of Technology, Sweden	Electrolyte-dependent behaviour of cellulose nanofibril separators in zinc metal batteries
2	Belfun Arslan, NTNU, Norway	Comparative Degradation Analysis of Lithium-Ion and Sodium-Ion Batteries with Graphite, Silicon-Graphite, and Hard Carbon Anodes
3	Rijul Bajaj, Politecnico di Torino, Italy	UV-Crosslinked PEO-PEC polymer electrolytes with cyclic carbonate additives for room-temperature alkali metal batteries
4	Jonathan Berg, VTT Technical Research Centre of Finland Ltd, Finland	Kraft Lignin Fractionation Enables Structure-Property Control in Hard Carbon Anodes for Sodium-Ion Batteries
5	Hoa Bui, University of Eastern Finland, Finland	High-Voltage Stability of Single-Crystal NCM811 Cathodes Enabled by Aqueous Binder
6	Behnam Chameh, University of Eastern Finland, Finland	Unraveling morphological and phase evolution in barley husk-derived silica during magnesiothermic reduction
7	Mousumi Dey, Aalto University, Finland	Automated Screening of Redox-Active Metal Complexes for Flow Batteries Using Pipetting Robot and battery testing
8	Dmytro Donskyi, University of Eastern Finland, Finland	ZnO coating nano-hematite surfaces effect on kraft lignin-derived graphite structure for LIB's
9	Ronan Njøs Dunne, NTNU, Norway	Battery drying conditions and rate capacity retention
10	Arpit Dutta, Luleå Tekniska Universitet, Sweden	Fluorine-Free Sulfonate Ionic Liquids and Battery Electrolytes
11	Tuva Essvik, Uppsala University, Sweden	Fluorine-free binders for NMC811 cathodes: isolating intrinsic stability from aqueous processing effects
12	Sherif Hegazy, University of Oulu, Finland	Improving initial coulombic efficiency of biomass-derived hard carbon via structure and electrolyte engineering
13	Hasan Jamal, University of Oslo, Norway	In situ ethanol-mediated growth of lithium indium chloride on lithium cobalt oxide cathodes
14	Juhana Jämsén, University of Eastern Finland, Finland	Doped TiO ₂ flame spray produced nanoparticles for enhancing porous carbon cathode of lithium-sulfur battery
15	Carlos Juarez-Yescas, Uppsala University, Sweden	Prelithiation as a strategy to stabilize high entropy alloy anodes
16	Olli Juntunen, University of Oulu, Finland	Sodium-ion battery Na-site doping: effects of metal ordering and defect engineering
17	Zhaohan Liu, Uppsala University, Sweden	Zwitterionic Monomer as Sacrificial additive for Constructing In-Situ Polymerized Interphases in 4.8V High-Voltage LNMO Batteries
18	Nicole Llewellyn, Uppsala University, Sweden	Structure-function relationships of mixed Li/K highly concentrated electrolytes
19	Parisa Mehdipour, University of Oulu, University of Jyväskylä, Finland	Effect of fluoride doping on electrochemical performance of regenerated Ni-Rich Li[Ni _{0.88} Co _{0.09} Mn _{0.03}]O ₂ cathodes in lithium-ion batteries
20	Adil Mehmood, Åbo Akademi University, Finland	Composites of lignin-containing cellulose nanofibrils and poly (3,4-ethylenedioxythiophene) (PEDOT) for sustainable conductive material applications

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21	Joaquim Manuel Igreja Mendes, KTH Royal Institute of Technology, Sweden	Membranes containing cyclic ammoniums as ion exchange groups for all-vanadium flow batteries: A comparative study
22	Inara Nesterova, Issp UI, Latvia	Synthesis and electrochemical properties of LiMn _{1-x} Fe _x PO ₄ for lithium-ion batteries
23	Piyatep Ngernklay, Chalmers University of Technology, Sweden	Interfacial Engineering for Enhanced Performance of Aqueous Zinc-Ion Battery
24	Glen Pauls, VTT Technical Research Center of Finland, Finland	Leveraging black liquor inorganics to catalytically crosslink kraft lignin and produce morphology defined hard carbons
25	Gayathri Peta, University of Oulu, Finland	Crucial impact of salt and additives in polymer electrolytes for low-temperature operation solid-state Na batteries
26	Shreeram R. Pillai, Aalto University, Finland	Facet-controlled synthesis of spinel LiMn ₂ O ₄ as cathode material for Li-ion batteries
27	Faiz Ullah Shah, Luleå University of Technology, Sweden	Fluorine-Free Sweet Ionic Liquids and Electrolytes
28	Niks Smelters, Institute of Solid State Physics, University of Latvia, Latvia	Synthesis of lithium-rich cobalt-free layered oxide cathode material Li _{1.16} Ni _{0.19} Fe _{0.18} Mn _{0.46} O ₂ and its electrochemical properties
29	Mojgan Taheri, University of Eastern Finland, Finland	Conversion of kraft-lignin into battery grade graphite using spray-pyrolysis-derived catalysts with tuned properties
30	Alina Toktamyssova, University of Oslo, Norway	Battery-Grade Hard Carbon for Na-ion Batteries
31	Sowjanya Vallem, Aalborg University, Denmark	Synthesis of Catalyst-driven Sustainable Hard Carbon via Defect Engineering for Sodium-Ion Batteries
32	Mewin Vincent, Aarhus University, Denmark	Off-stoichiometry in Na _{2.43} Fe _{1.24} (SO ₄) ₃ cathode and Insights into phase evolution and high-voltage stability for sodium-ion batteries
33	Nienke Visser, IFE Institute for Energy Technology, Norway	From polymer films to functional electrodes - smart functionalities in silicon anodes
34	Nico Philipp Weiss, Aalto University, Finland	Effects of chemical prelithiation of Silicon nanopowder for Lithium-Ion Battery Anodes
35	Tianyang Wen, Aalto University, Finland	Zn based MOF-Celgard composite membranes for enhanced selectivity in nonaqueous redox flow batteries
36	Buddika Wettewa, University of Oulu, Finland	Synthesis of LiFePO ₄ Cathode Materials via Recovery of Iron and Phosphorus containing Industry Waste
37	Yerkezhan Yerkinbekova, LUT University, Finland	Enhancing structural and electrochemical stability of NMC955 cathodes by W/B core-shell co-doping via microwave-assisted synthesis
38	Isak Bengtsson, Chalmers University of Technology, Sweden	Modelling ionic liquid (electrolyte) conductivity using symbolic regression
39	Ivan Fernandez, NTNU, Norway	Reproducible benchmarking of battery equivalent circuit model parameter estimation
40	Farzin Golzar, KTH Royal Institute of Technology, Sweden	Development of AI-Based Data-Driven Aging Model for Li-Ion Batteries

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41	Øystein Gullbrekken, NTNU, Norway	Electrode-electrolyte interfaces of chloroaluminate ionic liquids with and without solvents by constant potential molecular simulations
42	Jacob Hadler-Jacobsen, SINTEF Energy Research, Norway	A flow battery model for overpotential distribution and optimal cell design
43	Viktoria Jansson, KTH Royal Institute of Technology, Sweden	Multiscale modeling of aging mechanisms in lithium-ion batteries
44	Sandeep Machani, NTNU, Norway	Enhancing lithium-ion battery state of health estimation through strain signal integration and machine learning
45	Sadegh Mehranfar, University of Oulu, Finland	Parameter sensitivity and parameter identification of Electrochemical-Thermal models under different operating conditions
46	Eirik Odinsen, NTNU, Norway	Analytical pulsing protocol to parametrise physics-based battery models
47	Fabian Schwarz, Uppsala University, Sweden	Investigating diffusion mechanisms in superionic ceramic electrolytes
48	Rafal Sliz, University of Oulu, Finland	A Browser-Based Virtual Battery Laboratory for Interactive Physics-Based Learning
49	Matevž Turk, Uppsala University, Sweden	EnGOAT – A Tool For Studying Mass Transport in Crystalline Materials
50	Akhtar Zeb, VTT Technical Research Centre of Finland, Finland	State-of-Charge Estimation Under SoC-Window Distribution Shift: An Empirical Evaluation of LSTM-Based Models
51	Salma Belkhadim, Uppsala University, Sweden	Operando Gas Analysis to Detect Lithium Plating in Li-ion Batteries during Fast Charging
52	Shansong Bi, Aalto University, Finland	Correlating Electrochemical Responses and Structural Characteristics of Pulse-Induced SEI Evolution on Graphite Anodes
53	Alisa Bogdanova, Aalto University, Finland	Influence of initial ALD pulse sequence on surface reactions and electrochemical performance of NMC811
54	Giulia Dalmonte, Technical University of Denmark, Denmark	Operando synchrotron X-ray diffraction and imaging of solid-state lithium batteries
55	Isak Drevander, Chalmers University of Technology, Sweden	Probing electrolyte-dependent sodium storage in hard carbon electrodes
56	Jan Inge Dyrhaug, Sintef Energy, Norway	Methods for investigating state of health of used EV battery modules
57	Anna Kobets, Aalto University, Finland	Correlation between electrode's structural and mechanical behaviour using operando XRD and dilatometry
58	Miriam Koppel, Technical University of Denmark, Denmark	Sodiation mechanism in biomass-derived hard carbons studied by operando Raman spectroscopy
59	Chuyue Li, Aalto University, Finland	From Screening to Mechanism-Informed Analysis: A Standardized High-Throughput Electrochemistry Platform for Redox Species Discovery
60	Mochan Mishra, University of Oslo, Norway	Revealing electrolyte-dependent behaviour of Sn-based conversion-alloying anodes for Na-ion batteries

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61	Subhajit Mojumder, Uppsala University, Sweden	Probing Multi-Electron Redox in Organic Cathodes via X-ray Absorption Spectroscopy and Resonant Inelastic X-ray Scattering
62	Aswin Praveen, University of Agder, Norway	Linking Material Properties to Fast-Charge Performance in Battery Anodes
63	Amritha P. Sandra, KTH Royal Institute of Technology, Sweden	Operando Gas Evolution Dynamics in High-Temperature Aged Commercial Tesla 21700 Lithium-ion Cells
64	Philipp Schweigart, Uppsala University, Sweden	The role of lattice and surface oxygen in charge compensation of a P2 sodium-ion cathode
65	Antoine de Padoue Shyikira, University of Agder, Norway	Novel In-Plane Permeability Measurement Rig for Commercial Battery Electrodes
66	Per Erik Vullum, Sintef, Norway	Transmission electron microscopy of beam sensitive battery electrodes
67	David S. Wragg, IFE Institute for Energy Technology, Norway	Understanding hard carbon anodes with in situ and operando studies
68	Zhaokun Wu, Uppsala University, Sweden	Lithium-Ion Chemical Potential as a Thermodynamic Descriptor for Solid Polymer Electrolytes
69	Valeria Armendariz Cabral, University of Oslo, Norway	Looking at Graphite from a Different Angle: Insights into the Mechanism of Co-intercalation Processes
70	Jef Canals, DTU Energy, Denmark	Highly reliable and highly processable hybrid solid electrolyte for K-ion Batterie
71	Elin Dufvenius Esping, Chalmers University of Technology, Sweden	Interphase Formation and Degradation Pathways in Lithium-metal Solid-State Batteries
72	Nastaran Farrahi, Aalto University, Finland	Emergent Transition-Metal Ordering in Mn-Rich P2 Sodium-Ion Cathodes: Pathway to Reversible Oxygen Redox
73	Raphael Hauk, TU Wien, Austria	Oxygen-Ion Batteries: A next-generation solid-state energy storage solution
74	Katja Lahtinen, Uppsala University, Sweden	A new borate-based fluorine-free electrolyte for Na-ion batteries
75	Ulla Lassi, University of Oulu, Finland, Finland	P2-type Na _{0.67} (Ni _{0.33} Mn _{0.67})O ₂ Na-ion cathode: Effect of low and high temperature synthesis on the electrochemical performance
76	Xabier Martinez De Irujo Labalde, Uppsala University, Sweden	Factors influencing ion transport in sodium halide solid ionic conductors
77	Amrutha Melepurakkal, University of Oulu, Finland	Exploring novel halide and oxyhalide solid electrolytes: from doping strategies to amorphous systems
78	Matteo Milanese, Politecnico di Torino, Italy	Agarose gel electrolyte stabilizes zinc anodes suppressing hydrogen evolution monitored by operando electrochemical mass spectrometry
79	Pratiksha Pawar, University of Iceland, Iceland	Transport properties of amorphous Li ₇ La ₃ Zr ₂ O ₁₂ thin-films as solid-state electrolytes
80	Clément Pechberty, Uppsala University, Sweden	Safer sodium-ion batteries by non-flammable, PFAS-free sulfone-based electrolytes

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82	Amalie Skurtveit, Univeristy of Oslo, Norway	Inorganic Coatings of Sulfide-based Solid-State Electrolytes through Atomic Layer Deposition (ALD)
83	Irina Terekhina, Uppsala University, Sweden	From spent lithium iron phosphate to aqueous zinc-ion battery cathodes
84	Linus Voigt, Meet Battery Reserach Center, Germany	Influence of Zn-C-based nucleation layer on the Na metal deposition
85	Zane Abelniece, Aalto University, Finland	Impact of treatment method on delamination process for the maximal recovery rate of cathode powder
86	John Bachér, VTT Technical Research Centre of Finland, Finland	High intensity magnetic separation for high grade cathode active material separation from black mass
87	Muhammad Wildanil Fathoni, Aalto University, Finland	Flotation-based direct-recycling of black mass using sustainable frother reagents
88	Neha Garg, Aalto University, Finland	Impact of the discharge method on preserving the battery electrode integrity
89	Luis Gomez, Aalto University, Finland	A Novel direct recycling of LIBs via sequential magnetic separation and froth flotation
90	Toni Kauppinen, University of Oulu, Finland	A novel approach for Li recovery from black mass and lithium slag of spent LIBs
91	Anna Klemettinen, Aalto University, Finland	Valorisation of battery scrap leach residue as a reductant in nickel slag cleaning
92	Lassi Klemettinen, Aalto University, Finland	Effect of pyrolysis pre-treatment on leaching of industrial lithium iron phosphate-based black mass
93	Alisher Kumarov, LUT University, Finland	Direct Regeneration of NMC811 Cathodes with Different State of Health Using a Dual-Function Lithium-Replenishing Coating
94	Lotta Lassila, Politecnico di Torino, Italy, Aalto University, Finland	On-site direct recycling of LFP production scrap as local raw material source for European batteries
95	Elsayed Mousa, Swerim AB, Sweden	Thermal Processing of LFP Black Mass for Sustainable Recovery of Lithium and Phosphorus
96	Arjun Muralidharan, Aalto University, Finland	Non-Corrosive Electrochemical Discharge of Lithium-ion Batteries for Safe Recycling Preprocessing
97	Yarivith Carolina Gonzalez Pena, Chalmers University of Technology, Sweden	More sustainable recycling of Li-ion batteries via novel technologies and use of biodegradable reagents
98	Léa Rouquette, Chalmers University of Technology, Sweden	Towards the recycling of Prussian Blue-based Sodium-ion battery via Hydrometallurgy
99	Mohazzam Saeed, Aalto University, Finland	Limiting metal losses during froth flotation following thermochemical optimization for direct recycling of lithium-ion Batteries
100	Yutong Song, Aalto University, Finland	Social materiality analysis of lithium-ion batteries and process simulation-based life cycle sustainability assessment framework

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102	Johanna Hiitola-Keinänen, VTT Technical Research Centre of Finland, Finland	Scalable processing of LFP cathodes: from lab-scale to roll-to-roll using aqueous slurries
103	Sara Pakseresht, Aalto University, Finland	Hybrid Thin-Film Deposition for Stabilizing Lithium-Metal Interfaces in Solid-State Batteries
104	Mari Ylikunnari, VTT Technical Research Centre of Finland, Finland	Roll-to-Roll Manufacturing and Inline Quality Control of Solid-State Battery Components on Pilot-Scale Production Lines
105	Svenas Burba, University of Agder, Norway	From full-cell voltage to open circuit potential: A non-invasive automated parametrization workflow
106	Shaik Thamjeed Chemnad Mahin, University of Agder, Norway	Toward Electrode-Resolved Parasitic Reaction Enthalpy Analysis for Early Detection of Aging in Lithium-Ion Batteries
107	Jalal Fida, UiA Grimstad, Norway	Understanding Cathode- driven Degradation in LFP/Graphite Battery Cells
108	Malin Sannerhaugen, SINTEF Energy Research, Norway	Remaining useful life estimation with electrochemical physics-informed neural networks
109	Jalal Jahanpna, University of Oulu, Finland	Dynamic internal resistance of lithium-ion batteries during real fast charging at different temperatures
110	Pasi Junell, Seinäjoki University of Applied Sciences, Finland	Battery module condition assessment using constant-current cycling and electrochemical simulation
111	Nienke Visser, IFE Institute for Energy Technology, Norway	End-of-life gassing and electrochemical degassing in aged Li-ion cells
112	Sven Posner, Fraunhofer IISB, Germany	Streaming battery management data via ethernet with foxBMS for model validation while preserving safety-critical functions
113	Assa Aravindh Sasikala Devi, University Of Oulu, Finland	Battery Core Temperature Monitoring Using Impedance-Based Data-Driven Models
114	Meghana Sudarshan, IFE Institute for Energy Technology, Norway	A data-centric framework for probabilistic state of health assessment using large scale battery cycling data
115	Jinghua Sun, Aalto University, Finland	SOC-resolved short current interruption fingerprints for aging-history-aware lithium-ion battery diagnostics
116	Tosin Adewumi, Luleå University of Technology, Sweden	Technical language processing (TLP) framework for digital battery passport (DBP) and battery predictions
117	Carlos Antonio Rupisan, Aalto University, Finland	Degradation and modeling of large-format NMC batteries in maritime application
118	Pankaj Saha, Vtt Technical Research Centre of Finland, Finland	A Modular Framework for Battery Energy Storage in All-Electric Ships
119	Prashant Singh, VTT Technical Research Centre of Finland, Finland	Techno-Economic Analysis and Hybridization Impact of a Battery–Supercapacitor HESS for Grid Stabilization Applications
120	Caroline Birksø Eriksen, Aarhus University and Dbi, Denmark	Fire forensic analysis of lithium-ion batteries