PROGRAM: DAY 1

11/03/2025

8:30 AM - 8:50 AM **OPENING REMARKS**

VITO DI NOTO
University of Padova , Italy

SESSION CHAIR: TBD

8:50AM - 9:15AM

MICHAEL BERUBE
DOE, USA
US Battery Critical Minerals - R&D Strategy

9:15AM - 9:40AM

KOHEI UOSAKI
Japan Science and Technology Agency, Japan
Recent Activities in Research and Development on Next Generation Batteries in Japan

9:40AM -10:05AM

FABRICE STASSIN
Batteries European Partnership Association (BEPA), Belgium
Battery research, innovation and industrialization in Europe – State of play and future ambitions

10:05AM - 10:30AM

HONG LI
Chinese Academy of Sciences, China
Developing solid batteries for EV and ESS in China.

10:30AM - 11:00AM **COFFEE BREAK (EXHIBIT & POSTERS)**

SESSION CHAIRS: TBD

11:00AM - 11:30AM

PETER BRUCE
University of Oxford, UK
The lithium anode solid state battery - mitigating dendrites and voiding

11:30AM - 11:55AM

KARIM ZAGHIB
Concordia University, Canada
Canada and Quebec Ecosystem for Manufacturing Lithium-Ion Batteries: From mines to cells to recycling

11:55AM - 12:20PM

KOICHIRO AOTANI
Nissan Motor, Japan
Challenges of Next Generation Battery for EV Application

12:20PM - 12:45PM

JULIANE KLUGE
BMW, Germany
Exploring the Future of Battery Technology: Insights and Innovations for Automotive Applications.

12:45PM - 1:10PM

YOSHIYUKI MORITA
Honda, Japan
Honda's sustainable Li-based cathode materials for batteries

1:10PM - 2:40PM **LUNCH**

SESSION CHAIRS : TBD

2:40PM - 3:05PM

CHANGHO JUNG
Hyundai, South Korea
BMS technology development direction to enhance EV safety and convenience

3:05PM - 3:30PM

TBD
Stellantis, Italy
TBD

3:30 PM - 3:55 PM

ELENA LIGABUE
Ferrari, Italy
The Future Challenges of Sports Vehicle Batteries.

3:55PM - 4:20PM

WENJUAN MATTIS
Microvast, USA
Driving Battery Innovation Through Simulation, AI, Big Data Analysis and System Integration

4:20PM - 4:45PM

NAOKI OTA
24M Technologies, USA
Leapfrog the Competition Through Radical Battery Innovation

4:45PM - 5:15PM **COFFEE BREAK (EXHIBIT & POSTERS)**

SESSION CHAIRS: TBD

5:15PM - 5:40PM

ALEX YU
Factorial Energy, USA
Solid-State Revolution: From Prototype to Pavement

5:40PM - 6:05PM

CHIRRANJEEVI GOPAL
Mitra Chem, USA
Mitra Chem: Technological innovations with LFP/LMFP chemistry from lab to scale

6:05PM - 6:30PM

CHAO YAN
Princeton NuEnergy, USA
Scaling Sustainability: Commercial Pathways for Direct Recycling and Production of Battery Cathodes

6:30PM - 6:55PM

XIAOBO JI
Central South University, China
Sodium Cathodic Materials: From Basic Research to Industrialization

6:55PM - 7:20PM

ROBERT KOSTECKI
Lawrence Berkeley National Laboratory, USA
The passivity of negative electrodes in secondary batteries

The 16th edition of the International Conference on Advanced Lithium Batteries for Automotive Application

Nov 3 - Nov 5, 2025

PROGRAM: DAY 2

11/04/2025

SESSION CHAIRS: TBD

8:30AM - 9:00AM

XUELIANG (ANDY) SUN
Eastern Institute of Technology, China
Halide-based Solid State Electrolytes for All Solid State Batteries: Past, Current, and Future

9:00AM - 9:25AM

CLARE GREY
University of Cambridge, UK
New insight from NMR, XRD and optical studies of lithium-ion and lithium metal batteries

9:25AM - 9:50AM

JENNIFER RUPP
Technical University of Munich, Germany
From Cheap Manufactured Solid Elekctrolytes to Designing Interfaces for Next Generation Batteries

9:50AM - 10:15AM

JEFF SAKAMOTO
University of California, Santa Barbara, USA
Mechano-electrochemical Phenomena in Ceramic Electrolytes

10:15M - 10:40AM

ZONGWEI CHEN
Dalian Institute of Chemical Physics, China
Solid-state Battery via Dry Electrode technology and Composite Electrolyte

10:40AM - 11:10AM **COFFEE BREAK (EXHIBIT & POSTERS)**

SESSION CHAIRS: TBD

11:10AM - 11:40AM

SHIRLEY MENG
University of Chicago, USA
A Reality Check on All Solid State Battery Technologies

1:40AM - 12:05PM

CLAIRE VILLEVIEILLE
University Grenoble-Alpes, France
Is the microstructure controlling the electrochemical performance of solid state batteries?

12:05PM - 12:30PM

WILLIAM CHUEH
Stanford University, USA
Accelerating Battery Development through Artificial Intelligence

12:30PM - 12:55PM

ERIC WACHSMAN
University of Maryland, USA
Towards High Current Density Solid-State Li and Na Batteries

12:55PM - 1:20PM

CHISU KIM
Hydro-Québec, Canada
Lattice oxygen redox chemistry in layered oxides

1:20PM -2:50PM **LUNCH**

SESSION CHAIRS: TBD

2:50PM - 3:20PM

KRISTINE PERSSON
University of California, Berkeley, USA
Charting Li-ion Battery Solvent-Salt Decomposition Products in the SEI

3:20PM - 3:45PM

MASAYOSHI WATANABE
Yokohama University, Japan
Soft Matter Electrolytes for Next-Generation Batteries

3:45PM - 4:10PM

MINHUA SHAO
UST, Hong Kong
Gel polymer electrolytes for pressure-free silicon-based lithium-ion pouch cells

4:10PM - 4:35PM

NORIYOSHI MATSUMI
Japan Advanced Institute of Science and Technology, Japan
Specific polymer binder design for high rate performance of metal-ion secondary batteries

4:35PM - 5:05PM **COFFEE BREAK (EXHIBIT & POSTERS)**

SESSION CHAIRS: TBD

5:05PM -5:30PM

GIOELE PAGOT
University of Padova, Italy
From Polymer to Ionic Liquid Electrolytes: Paving the Way Beyond Li-ion Batteries

5:30PM - 5:55PM

YONG YANG
Xiamen University, China
The ageing of Li-ion Batteries: Degradation Mecanism, Accelerating Tests and Lifetime Prediction

5:55PM - 6:20PM

MARIA HAHLIN
Uppsala University, Sweden
TBD

8:00 PM - 11:00 PM

BANQUET (TICKETED EVENT)

PROGRAM: DAY 3

10/30/2024

SESSION CHAIRS: TBD

8:30AM - 9:00AM

YI CUI
Stanford University, USA
Lithium Metal Battery Anodes and Electrolytes

9:00AM - 9:25AM

JUN LIU
University of Washington, USA
Progresses and Challenges for Next Generation High Energy Lithium Batteries

9:25AM - 9:50AM

NAE-LIH WU
National Taiwan University, Taiwan
Surface Modifications of Graphite-Based Anodes to Enable Fast-Charging and High Safety of Li-Ion Batteries

9:50M - 10:15AM

BYOUNGWOO KANG
Postech, South Korea
Controlling short-range ordering simultaneously enables high capacity and long cycle stability in SiO

10:15AM - 10:40AM

RICCARDO RUFFO
University of Milan Bicocca, Italy
Engineering Oxide Nanocomposites via MAX Phase Oxidationfor for Advanced Negative Electrodes: Uncovering New Opportunities in Li-Ion Battery Materials Research

10:40AM - 11:10AM **COFFEE BREAK AND EXHIBIT**

SESSION CHAIR: TBD

11:10AM - 11:40M

GERBRAND CEDER
University of California, Berkeley, USA
An update on Mn-rich d-DRX cathode materials

10:40AM - 12:05PM

KISUK KANG
Seoul National University, South Korea
Lattice oxygen redox chemistry in layered oxides

12:00 PM -12:25 PM

WON-SUB YOON
Sungkyunkwan University, South Korea
Over- & hyper-lithiated materials for optimized performance of next-generation Li batteries

12:30PM - 12:55PM

SERGIO BRUTTI
La Sapienza University of Rome, Italy
Unlocking the Potential of Lithium-Rich Layered Oxides: Innovations from Design to Demonstration in Lithium Batteries

12:55PM - 1:20PM

MARGARET WOHLFAHRT-MEHRENS
Ulm University, Germany
Strategies to improve lifetime of positive electrodes with water based binders

1:20PM - 2:50PM **LUNCH**

SESSION CHAIR: TBD

2:50PM - 3:15PM

MAXIMILIAN FICHTNER
Karlsruhe Institute of Technology, Germany
New Materials for Na Ion Batteries

3:15PM - 3:40PM

QIAN ZHANG
Tsinghua University, China
High-Energy-Density Lithium–Sulfur Batteries with Weakly Solvating Electrolyte

3:40 PM - 4:05 PM

LORENZO STIEVANO
Université de Montpellier, France
Towards Potassium Batteries: Electrochemical Insights and Practical Challenges.

4:05 PM -4:30 PM

CORSIN BATTAGLIA
EMPA, Switzerland
Towards an autonomous robotic battery materials research platform powered by automated workflow and ontologized FAIR data management

4:30PM - 4:55PM

YONG MIN LEE
Yonsei University, South Korea
Digital Twin Battery Modeling and Simulations for Virtual Electrode Calendering and Structural Deformation of Separators in Metal Anode LIBs

4:55PM - 5:20PM

GIFFIN GUINEVERE
Fraunhofer-Institut für Silicatforschung ISC, Germany
Direct Recycling supported by Design for Circularity for a Sustainable Battery Value Chain

5:20 PM - 5:30 PM

VITO DI NOTO
CLOSING REMARKS