

FINAL DAYS TO REGISTER
IN-PERSON OR ONLINE

Reducing Costs and Achieving Safe, High Energy
Density Batteries with Solid Electrolytes

6TH ANNUAL

SOLID-STATE BATTERY SUMMIT

AUGUST 11-12, 2026 | CHICAGO, IL

AUGUST 12-13, 2026

CO-LOCATED
WITH:

The 16th Annual

BATTERY SAFETY SUMMIT

Implementing Lithium-Ion Battery Safety to
Meet Increasing Energy Demands

2026 Featured Speakers:



Tobias Glossmann
Mercedes-Benz Research &
Development North America



Owen Lu
Ford Motor Company



Shirley Meng, PhD
Argonne National Laboratory
& University of Chicago



Rana Mohtadi, PhD
Toyota Research Institute of
North America



Kevin Fok
LG Energy Solution Vertech



James Salvador
General Motors



Loraine Torres-Castro
Sandia National Laboratories



John Zhang
Polypore International

CORPORATE SPONSORS



CambridgeEnerTech.com

AUGUST 11-12, 2026 | CHICAGO, IL

TUESDAY, AUGUST 11

7:30 am Registration Open and Morning Coffee

8:20 Organizer's Opening Remarks

OEM PERSPECTIVES ON SOLID STATE

8:25 Chairperson's Remarks

Adrian Tylim, Head Business Development, Natrium

8:30 Materials Informatics-Guided Design of Battery Materials

Manas Likhith Holekevi Chandrappa, PhD, Senior Researcher, Nissan Advanced Technology Center Silicon Valley

Halide solid electrolytes (SEs) have surged in popularity as they offer a good balance of high ionic conductivity (>1 mS/cm), high voltage stability (>4 V), and mechanical properties. More recently, amorphous halides (including oxyhalide) SEs have been reported with ultra-high ionic conductivity of >10 mS/cm. In this talk, we demonstrate how we leverage cutting-edge atomistic simulation tools to investigate and elucidate the conduction mechanisms in amorphous halide SEs.

8:50 Design Considerations for Robust and High-Performance Silicon Anodes in Solid-State Battery Applications

Owen Lu, PhD, Research Engineer, Ford Motor Company

This work presents a detailed review of advancements in Si-based anodes for solid-state batteries (SSBs) across material, electrode, and cell levels. From this analysis, a promising strategy for designing a robust, high-performing silicon anode for SSBs has been identified. A prototype cell was fabricated, its performance evaluated, and perspectives on further enhancing solid-state silicon anodes are discussed.

9:10 Solid-State Batteries: Progress in Solid Electrolytes and Needs

Rana Mohtadi, PhD, Senior Principal Scientist, Materials Research, Toyota Research Institute of North America

Advancements in solid-state battery technology on a material design level are needed to overcome existing challenges with known solid-electrolyte materials. In the presentation, we will outline the key research areas that deserve increased attention from the R&D community and share up-to-date progress from our laboratories.

R&D ADVANCEMENTS IN SOLID-STATE BATTERIES

9:30 Clearing the Path for Lithium-Metal Batteries

Tobias Glossmann, Chief Product Officer, Pure Lithium

Lithium-metal batteries have not yet reached mainstream use. Experts from industry and academia explored why, identifying open research questions and potential actions. This talk shares insights from those discussions at the last Lithium-Metal Battery Workshop and their outcomes.

10:00 Powering the Next Frontier of Mobility: Solid-State and Semi-Solid State Batteries with Intelligent BMS for Humanoid Robotics

Bartek Kras, PhD, Vice President, Impact Clean Power Technology SA

Humanoid robots push battery packs to their limits: constant motion, tight volume, demanding uptime. This talk presents a smart pack architecture concept for solid-state cells: continuous preload monitoring, electric actuators for real-time pressure adjustment, and BMS algorithms optimizing plate force depending on state of charge, protecting interfacial contact and cycle life. See why pressure-intelligent packs are key to powering the next frontier of mobility.

10:30 Welcome Coffee Break in the Exhibit Hall with Poster Viewing (Sponsorship Opportunity Available)



11:15 KEYNOTE PRESENTATION: All Solid-State Battery—A Reality Closer than You Think
Shirley Meng, PhD, The Liew Family Professor, Pritzker School of Molecular Engineering, The University of Chicago

A compelling next-generation solution for delivering high-energy and high-power density with improved safety is all solid-state battery (SSB). In this talk, we will discuss the major hurdles of these developments and how an open, innovative, and collaborative approach help to overcome the major hurdles. We will also draw the roadmap of all solid-state batteries with lessons learned from lithium-ion battery (LIB) in mind.

11:35 Vertical Extrusion for Dry Battery Components: High Tech Low Cost

Victoire De Margerie, PhD, Executive Chairman, Rondol Industrie SAS

This presentation highlights the advantages of vertical extrusion for continuous manufacturing of dry components, including optimized material flow, precise temperature control, flexible multi-zone dosing, and enhanced mixing performance. It also demonstrates reductions in both capital and operating costs through a much smaller dry room footprint and reduced waste. It will also outline ongoing research for optimizing anode dry coating and separator production while advancing the understanding of polymer-active material interactions.

11:55 Use Organic Compounds to Enable Inorganic Solid State Batteries

Ping Liu, PhD, Professor and Director, Sustainable Power and Energy Center, University of California, San Diego

Solid-state batteries based on sulfide electrolytes promise higher energy densities and better safety. Managing the behavior of numerous solid-solid interfaces is crucial in realizing long cycle life, particularly under reduced stack pressure. We show that modifying the interfaces with small organic molecules can improve electrolyte stability under processing conditions and mitigate side reactions between electrolytes and the electrodes.

12:15 pm Warm Isostatic Pressing for Large-Scale All-Solid-State Battery Production

Pontus Nilsson, Director, Battery Processing Systems, AME, Quintus Technologies AB

Warm isostatic pressing is critical to the battery industry since it enables uniform densification across complex, multilayer battery components, directly improving performance and reliability. By applying pressure in combination with elevated temperatures evenly, it minimizes defects such as voids, delamination, and poor interfacial contact that limit battery lifetime. This process enhances ionic conductivity and mechanical integrity, which are essential for next-generation solid-state and high-energy batteries. Warm isostatic pressing also supports scalable, repeatable manufacturing, making it suitable for high-throughput industrial production. As battery manufacturers push toward higher energy density and longer cycle life, this technology becomes a key enabler for moving advanced battery designs from the lab to commercial reality.



12:30 Enjoy Lunch on Your Own

SOLID-STATE MARKET OPPORTUNITIES

1:55 Chairperson's Remarks

Tobias Glossmann, Chief Product Officer, Pure Lithium

2:00 Five Ingredients for Solid-State Battery Success

Halle Cheesman, PhD, Program Director, ARPA-E

From lead-acid to nickel-cadmium to lithium-ion, batteries have become foundational to modern life. The electrification of drones, eVTOLs, robotics, and data centers demands step-change improvements in energy storage. Where do solid-state batteries truly fit, and what will determine their success? In this talk, Dr. Cheesman examines five critical ingredients: product proposition, cost, performance, safety, and supply chain.

AUGUST 11-12, 2026 | CHICAGO, IL

R&D ADVANCEMENTS IN SOLID-STATE BATTERIES

2:20 Latest Technical Advancements and Applications in Polymer-Based Solid-State Batteries from Blue Solutions

Dominique Vinet, Project Manager, Battery Systems, Product Intelligence, Blue Solutions

As a pioneer in solid-state batteries, Blue Solutions continues to advance its solid-state chemistry in automotive and diverse applications. In addition to our OEM work, one example is a demonstrated 70% improvement in range for a two-wheeler. We'll present the latest results of our chemistry for automotive and other applications based on our polymer electrolyte and sustainable cell design.

2:40 Advances in Li-ion/Sulfur Batteries and Low-Cost Lithium Sulfide

Steven Visco, PhD, CEO & CTO, PolyPlus Battery

Lithium-sulfur batteries have been challenging to commercialize despite sulfur's high theoretical capacity, abundance, low cost, and environmental friendliness. Technical hurdles include the polysulfide shuttle and poor cycling of the lithium and sulfur electrode. PolyPlus eliminated the polysulfide shuttle with a ceramic solid electrolyte, replaced the lithium electrode with graphite, and introduced a high-capacity aqueous polysulfide electrode that cycles reversibly. PolyPlus will also discuss its low-cost synthesis for lithium sulfide.

3:00 Refreshment Break in the Exhibit Hall with Poster Viewing

(Sponsorship Opportunity Available)

3:30 From Validation to Scale: Factorial's Dual-Platform Approach to Solid-State Batteries

Raimund Koerver, PhD, Senior Vice President, Commercial, Factorial

Factorial is advancing two proprietary technology platforms: FEST®, a quasi-solid-state electrolyte system, and Solstice™, an all-solid-state sulfide-based system featuring a dry cathode architecture. Both platforms are developed in close collaboration with global automotive OEMs and engineered for scalable manufacturing. We will present the latest technical progress across both platforms, alongside learnings from real-world validation across automotive, drone, and defense applications and an outlook on emerging markets.

4:00 Building a Completely Dry Solid-State Battery with a Silicon Anode

Kevin Wujcik, PhD, CTO, R&D, Blue Current Inc.

Blue Current is developing fully dry solid-state batteries featuring silicon-active material anodes and flexible composite electrolytes. The company is now scaling production of 2 Ah solid-state pouch cells at its pilot facility in Hayward, CA. In this presentation, Blue Current will provide a detailed exploration of its cell performance capabilities and an update regarding the company's pouch-cell commercialization roadmap.

4:30 Is All Li Metal Created Equal? How Li-Metal Microstructure and Purity Affect SSB Performance

Andrew Westover, PhD, Staff Research Scientist, Energy Storage, Oak Ridge National Lab

Li metal is critical for reaching batteries with specific energies greater than 500 Wh/kg and energy densities greater than 1000 Wh/L. While significant research has been placed on electrolytes including solid-state electrolytes and on cathode design, the impact of the Li metal properties on performance is often overlooked. This presentation will explore the impact of Li purity, Li microstructure, and Li alloying on solid-state battery performance.

5:00 Welcome Reception in the Exhibit Hall with Poster Viewing

(Sponsorship Opportunity Available)

6:00 Evening Tutorial*

The Rechargeable Battery Market Value Chain & Main Trends: 2026–2036
*Separate registration required; [CLICK HERE](#) for the tutorial registration page

7:30 Close of Day

WEDNESDAY, AUGUST 12

7:30 am Registration Open and Morning Coffee

SOLID-STATE MARKET OPPORTUNITIES

7:55 Chairperson's Remarks

Steven Visco, PhD, CEO & CTO, PolyPlus Battery

8:00 The Rechargeable Battery Market 2026-2036 – Significant Changes in North America in Applications and Emerging Technology

Michael Sanders, Senior Advisor, Energy, Avicenne Energy

Avicenne Energy will be presenting the major changes in electrification in ever-expanding applications that will drive broader demand than just EV and emerging technologies that are becoming more available. Presentation will be focused on North America, but also highlight how the region's value chain is structured vs. other regions. Forecasts will cover both global and North America perspectives.

R&D ADVANCEMENTS IN SOLID-STATE BATTERIES

8:30 Lithium-Free Anode Solid-State Batteries, 500 Wh/kg and Beyond

Eric Wachsman, PhD, Professor & Director, Materials Science & Engineering, University of Maryland College Park

We will present 100 mA/cm² current densities and 99.995% Li-cycling Coulombic efficiency using our novel 3D anode architecture and recently developed mixed ionic and electronic conducting garnet. By reducing dense layer thickness and incorporating higher energy density cathodes we will further show =500 Wh/kg full cell performance. All at room temperature with zero applied pressure.

SCALING SOLID-STATE BATTERIES



8:50 FEATURED PRESENTATION: From Lab to Market: Commercializing Solid-State Batteries at Global Scale

Danielle Gendron, PhD, Director, QuantumScape

Solid-state battery technology can overcome the limitations of conventional lithium-ion batteries, enabling longer range, faster charging, and enhanced safety. Applications span automotive, AI data centers, defense, robotics, and aerospace. QuantumScape is now scaling production through an automated pilot line to bring this technology to market. Danielle will discuss commercialization strategies—including licensing models with global partners—to make this transformative technology accessible at scale.

9:10 Challenges and Opportunities in Solid-State Electrolyte Manufacturing for Lithium Batteries

Mohammad Asadi, PhD, Associate Professor, Illinois Institute of Technology

We recently developed a solid-state composite polymer electrolyte capable of operating efficiently with lithium metal, opening new pathways for high-energy-density batteries. Since its initial development, our efforts have focused on optimizing the electrolyte properties to enable scalable manufacturing. In this presentation, I will highlight our latest findings and discuss the opportunities and challenges of implementing this electrolyte in advanced lithium-metal battery technologies, with a primary focus on lithium–air systems.

AUGUST 11-12, 2026 | CHICAGO, IL**9:30 Equipment Solutions for Continuous Manufacturing of Next-Generation Batteries***Philip Koppenhofer, GMS Energy Storage Solutions, IPCO**Petrik Ziebell, CTO, IPCO*

Scaling battery production for dry electrode and solid-state applications requires processes that ensure consistent quality at high throughput. This session explores how roll-to-roll processing and double-belt pressing can be integrated into a continuous workflow, improving electrode quality, efficiency, and scalability. It highlights precise web handling, calendaring, and controlled pressure and temperature to enable effective layer consolidation and densification in advanced battery concepts.

10:00 Coffee Break in the Exhibit Hall with Poster Viewing*(Sponsorship Opportunity Available)***10:30 Scalable Sulfide-Solid Electrolyte Powder Coatings for Enhanced Performance and Manufacturability***Justin Connell, PhD, Materials Scientist, Materials Science, Argonne National Lab*

We have developed a powder coating approach to address limitations to the manufacturability and performance of sulfide solid-state electrolytes (SSEs). Ultrathin (= 1 nm) coatings on SSE powders stabilize them to aggressively oxidizing atmospheres while significantly improving electrochemical performance. The scalability of this approach is demonstrated with up to 100 g/batch processing achieved. This strategy enables a new framework for accelerating the integration of sulfide SSEs into next-generation solid-state batteries.

11:00 Pathways to Commercialize Solid-State Battery Technology through Collaborations across the Value Chain*Eongyu Yi, PhD, Director of Battery Technology, Ampcera*

The commercialization of SSB technology presents both significant opportunities and challenges. This presentation explores the critical pathways for bringing SSBs from the R&D phase to commercial launch. Focusing on the importance of strategic collaborations across the value chain, we discuss how partnerships between material and equipment suppliers, battery manufacturers, OEMs, and research institutions can accelerate technological advancements, reduce costs and time-to-market, and enhance scalability.

11:20 Launching Solid-State Batteries—Capable Batteries for Better Devices*Gregory Hitz, PhD, Founder & CTO, Ion Storage Systems*

ION's customer engagement has moved conversations out of the lab and into the field. Real-world considerations—voltage profile, operating temperature window, failure modes, cleanliness, and swell—now overtake academic metrics like theoretical energy density and cycle life. Rather than “What can the battery do?”, customers focus on “What device designs are now possible with ION's battery in it?”

SOLID-STATE BATTERY SAFETY**11:40 Building Practical Safety Requirements for Solid-State Batteries: Insights from UL 2285 Testing***Alvin Wu, Research Manager, Research and Development, UL Solutions*

This presentation introduces the development of UL's new draft safety standard for solid-state batteries, UL 2285, and illustrates how collaborative research with academic and industrial partners can support evidence-based standard development. Representative solid-state battery samples are evaluated using key safety test methods defined in the draft standard to investigate failure behaviors under thermal, electrical, and mechanical abuse conditions.

12:00 pm Enjoy Lunch on Your Own**12:50 Close of Solid-State Battery Summit**

AUGUST 12-13, 2026 | CHICAGO, IL

WEDNESDAY, AUGUST 12

12:00 pm Registration Open

12:50 Organizer's Opening Remarks

SOLID-STATE BATTERY DESIGN AND SAFETY

12:55 Chairperson's Remarks

Eric Darcy, PhD, former Battery Technical Discipline Lead, NASA-JSC; Private Consultant, Darcy Batt Consulting, LLC



1:00 FEATURED PRESENTATION: Liquid, Solid, and Semi-Solid Batteries with Focus on Battery Safety

John Zhang, PhD, CTO/CSO, Polypore International

This presentation will address the safety behavior and underlying mechanisms of SSBs, with direct comparison to liquid-state batteries (LSBs). Testing results show that, during internal shorts in high-energy systems, the severity of fire and explosion follows the order: SSB > LSB. The data indicate a counterintuitive trend—the greater the liquid content in the battery, the safer its behavior under abuse conditions.

1:30 Engineered Cathode Chemomechanics Enables Ultra-Low Stack Pressure Solid-State Batteries

Paul V. Braun, PhD, Professor & Grainger Distinguished Chair, Engineering, University of Illinois Urbana Champaign

Stresses resulting from electrode material chemomechanics are strongly coupled to solid electrolyte-electrode interface failures. Such failures are significant barriers to realization of practical Li-metal solid-state batteries (SSBs). We show the importance of cathode chemomechanics at commercially relevant low stack pressures (e.g., <1 MPa). Utilizing these learnings, we build long cycle-life SSBs with practical areal capacity (5 mAh/cm²) operating at less than 1 MPa stack pressure at room temperature.

2:00 Safety and Manufacturability of Semi-Solid-State Li-Metal Batteries with Ultra-Thin Anode

Alex Kosyakov, Co-Founder & CEO, Natrium Inc.

Natrium is the manufacturer of Active Separator, a thin, flexible solid-state electrolyte separator for lithium secondary batteries. Natrium will present its latest validation of the performance and safety of semi-solid lithium-metal batteries pairing Active Separator with 5-20 micrometer-thick lithium-metal anodes. This will include cyclability of high-capacity pouch cells at ambient temperatures and pressures (zero clamping) demonstrating 1000+ Wh/L, 400+ Wh/kg energy densities, as well as independent abuse testing results.

Cell Failure Detection & Performance Evaluation

2:30 Identification of Early Signs of Failures in Lithium-Ion Batteries

Puritut Nakhanivej, PhD, Research Fellow, University of Warwick

A comprehensive understanding of the mechanisms that lead to cell failure in lithium-ion batteries is essential for the advancement of global battery sector. The results establish a systematic methodology for identifying critical markers indicative of cell safety risks, offering potential for adaptation and implementation across a range of commercially relevant cell formats.

3:00 Refreshment Break in the Exhibit Hall with Poster Viewing
(Sponsorship Opportunity Available)

3:30 Forensic & Performance Evaluation of High-Capacity Prismatic Cells

Tanveer Pathan, PhD, Principal Engineer, University of Warwick

In parallel with cylindrical cells, prismatic cells are currently the format of choice for lithium-ion battery (LIB) electric vehicles (EVs). Here we present a safe methodology for the forensic analysis of commercial prismatic cells, not only in terms of evaluating cell component design and assembly, but also the electrode chemistry considerations.

OEM & MANUFACTURING PERSPECTIVES ON BATTERY SAFETY



4:00 FEATURED PRESENTATION: An Ounce of Prevention: Formation Data Analysis for Defect Detection at Production Scale

James Salvador, Staff Researcher, Chemical Sciences & Materials Systems Laboratory, General Motors

In gigawatt Li-ion battery plants, cell defects with vanishingly low probability can occur daily. In this talk, we will show automated gas harvesting and analysis hardware solutions for quantification of formation gas—and software solutions for time series formation charge analysis that can enable *in situ* determination of cell-quality anomalies that could potentially lead to premature failure. These methods leverage existing data streams to improve safety through prevention.

4:30 Battery Thermal Propagation Mitigation Strategies across Cell Chemistries & Cell Form Factors

Bhaskara Boddakayala, Global Technical Expert, Battery Safety & Materials, Cell Vent Management, Ford Motor Company

Sahil Nagpal, HV Battery CVM Systems Engineer, Ford Motor Company

Battery thermal propagation represents one of the most critical safety challenges in modern energy-storage systems, particularly as battery-pack energy densities continue to increase across automotive, stationary storage, and consumer applications. This presentation focuses on analysis and examines current solution trends; compares protection strategies at cell, module, and pack levels; and evaluates chemistry-specific approaches to mitigating thermal-runaway propagation.

5:00 Welcome Reception in the Exhibit Hall with Poster Viewing
(Sponsorship Opportunity Available)

6:00 Evening Tutorial*

Battery Safety and Abuse Tolerance Validation

*separate registration required, [CLICK HERE](#) to see the tutorial registration page.

7:30 Close of Day

THURSDAY, AUGUST 13

8:15 am Registration Open and Morning Coffee

8:35 Organizer's Welcome Remarks

THERMAL-RUNAWAY MITIGATION

8:40 Chairperson's Remarks

Adam Cohn, PhD, Principal Scientist, Materials Science and Electrochemistry, Exponent, Inc.

8:45 Late Breaking Presentation Safety Within ZNL-NPx



Jan Sagmo, Chief Strategy & Marketing Officer, Sales & Management, ZNL Energy AS

ZNL-NPx is a non-porous multilayer battery separator developed to improve cell safety and reduce the risk of thermal runaway. Its thermally stable, non-flammable functional layer transports ions through controlled diffusion rather than open pores. The presentation will explain the technology, its safety mechanisms and validation results across lithium-ion, lithium-metal, solid-state and sodium-ion batteries.

AUGUST 12-13, 2026 | CHICAGO, IL

9:00 Isolating Internal Shorts with Metallized Polymer Current Collectors

Eric Darcy, PhD, former Battery Technical Discipline Lead, NASA-JSC; Private Consultant, Darcy Batt Consulting, LLC

Metallized polymer current collectors for the cathode have been demonstrated to consistently (27 out of 27 tries) tolerate nail penetration without thermal runaway in 21700 cell designs achieving > 250 Wh/kg when coupled with isotropic strength polymer separators and applying a thermally stable ceramic coating to the anode active material. High-speed radiography along with post-test computed tomography provides unique insights into the isolation mechanism.

9:30 Lithium-ion Battery Fire Suppression for Aircraft Cargo-Compartment Fires

Judy Jeevarajan, PhD, Vice President and Executive Director, Electrochemical Safety Research Institute, UL Research Institutes

Lithium-ion batteries used for portable applications are getting significantly large in terms of energy, and pose fire hazards of concern in the cargo compartments of aircraft. Studies have been carried out that include thermal runaway tests on these batteries ranging from a few tens of Wh to about 350 Wh. Suppressants that include Halon 1301, water, and water additives have been tested to characterize the efficacy of suppression.

10:00 Thermal Runaway Risks in Flooded Electric Vehicles: Insights from Submersion Testing and Diagnostics

Tanvir Tanim, Battery R&D Engineer and Group Lead, Energy Storage Technology Group, Idaho National Laboratory

Electric-vehicle (EV) battery packs pose safety risks during saltwater submersion, as seen in recent hurricane-related incidents leading to thermal runaway. This study examines pack vulnerabilities through teardowns and full-scale immersion tests, identifying failure modes such as seal weaknesses, component degradation, and pathways to thermal runaway. These findings support improved pack design, early-warning systems, updated standards, and emergency-response strategies for saltwater-flooded EVs.

10:30 Coffee Break in the Exhibit Hall with Poster Viewing (Sponsorship Opportunity Available)

11:00 Can Sparse Temperature Sensing Reliably Detect Thermal Runaway? Bridging the Gap Between Theory and Commercial Battery Packs

Yatish Patel, PhD, Fellow, Mechanical Engineering, Imperial College London

This talk evaluates how effective these low-cost temperature measurements are for early fault detection, using a combined modelling and experimental approach. It critically compares temperature-based diagnostics with alternative sensing methods, demonstrating that despite limitations, temperature sensing remains the most viable solution for scalable, cost-constrained battery management systems.

11:30 Scaling Early Thermal-Runaway Detection from Cell to EV Module

Loraine Torres-Castro, PhD, Battery Safety Lead, Sandia National Laboratories

Early thermal-runaway detection in scaled electric-vehicle battery systems remains challenging due to sparse sensing and signal averaging across parallel-connected cells. This study experimentally evaluates advanced gas sensors and high-voltage electrochemical impedance spectroscopy in commercial Tesla modules housed in a pack-representative enclosure. Controlled single-cell overheating was used to assess diagnostic response at module scale, addressing the gap between cell-level validation and full-pack implementation.

KEY STANDARDS FOR ENERGY STORAGE

12:00 pm Battery Energy Storage Systems: Safety Approaches and Best Practices

Kevin Fok, Director of Compliance, LG Energy Solution Vertech, Inc.

This presentation discusses recent battery energy storage system codes and standards updates, and some corresponding safety approaches and best practices.

12:30 How Requirement & Regulations for EV's and BESS are Converging

Benjamin Christian, New Product Development Engineer, Freudenberg-NOK Sealing Technologies

A summary of current and future EV and BESS requirements & regulations, comparing similarities and differences across both industries and why they exist.

1:00 Enjoy Lunch on Your Own

ABUSE TOLERANCE, ADVANCED TESTING, AND SIMULATION

1:55 Chairperson's Remarks

Judy Jeevarajan, PhD, Vice President and Executive Director, Electrochemical Safety Research Institute, UL Research Institutes

2:00 Cycling-Induced Electrode Deformation and the Potential Safety Implications

Adam Cohn, PhD, Principal Scientist, Materials Science and Electrochemistry, Exponent, Inc.

This presentation will examine cycling-induced electrode deformation and the associated potential safety implications.

2:30 Flammability and Safety of Next-Generation Battery Electrolytes: From Liquids to Gels

Mickael Dollé, PhD, Professor, Department of Chemistry, Université de Montréal

Electrolyte flammability remains a key safety challenge for advanced batteries. We present standardized flash-point measurements applied to both aqueous-organic and gel-polymer electrolytes, revealing how solvent composition, molecular interactions, and polymer matrices influence ignition risk. These results provide practical insights for designing safer liquid and quasi-solid electrolytes for industrial battery applications.

3:00 Performance of Highly Durable Zinc Secondary Batteries Using SOE Technology

Masatsugu Morimitsu, Dr.Eng., Professor, Department of Science of Environment and Mathematical Modeling, Doshisha University; CTO, HEW NEXUS Co., Ltd.

This talk presents the charge-discharge cycling performance of laminated zinc rechargeable batteries using SoE (segmentation of electrolyte) technology for electric vehicles (EVs) and stationary energy-storage applications. This technology suppresses zinc dendrite formation during charging, enabling high durability with stable voltages and high voltage efficiency.

3:30 How Safe Are Solid-State Batteries? Identifying Hazards with a Bottom-up Approach

Nathan Johnson, PhD, Senior Member of Technical Staff, Sandia National Laboratories

This talk examines safety considerations in solid-state batteries using a bottom-up approach. By analyzing material behavior and interface interactions, we identify potential failure mechanisms and highlight emerging insights that challenge assumptions about the inherent safety of solid-state systems.

4:00 Close of Summit

Tutorials

TUESDAY, AUGUST 11 6:00-7:30 PM

TUT1: The Rechargeable Battery Market Value Chain & Main Trends: 2026-2036

Instructor:

Michael Sanders, Senior Advisor, Energy, Avicenne Energy

This tutorial will present the 10-year automotive market forecasts from Avicenne and other analysts (micro/Hybrid/P-HEV/EV). Other coverage will include car makers' strategies and advanced energy storage (advanced lead acid/supercap/NiMH/LIB). Additionally, LIB design for P-HEV & EV markets (cylindrical, prismatic, pouch/wounded, stacked, Z fold cells) and LIB cell, module, and pack cost structure will be discussed.

WEDNESDAY, AUGUST 12 6:00-7:30 PM

TUT2: Technology Innovation in the Chinese Battery Industry

Instructor:

Shmuel De-Leon, CEO, Shmuel De-Leon Energy Ltd.

This training incorporates Shmuel De-Leon's review of new Chinese innovative technologies presented during 2024-2025. The motivation behind the training is to provide attendees with the knowledge of China's new technology market trends as China is the larger player on battery materials, cells, and battery-pack manufacturing.



PRESENT A POSTER & SAVE \$50

Cambridge EnerTech encourages attendees to gain further exposure by presenting their work in the poster sessions. To secure an onsite poster board and/or ensure your poster is included in conference materials, your submission must be received, and your registration paid in full, by **July 17, 2026**.

Register and indicate that you would like to present a poster. Once your registration has been fully processed, we will send an email with a unique link and instructions for submitting your materials. Please see website for more information.

Reasons you should present your R&D findings at this conference:

- Your research will be seen by leaders from top commercial, academic, and government institutes
- Discuss your research and collaborate with interested attendees and speakers
- Your poster will be published in our conference materials
- Receive a \$50 discount off your Commercial or Academic/Government registration

CORPORATE SPONSORS



PREMIER SPONSOR

Exhibition/Meeting Space & Delegate Passes

- 8'X10' exhibit space
- Three (3) Main conference registrations in addition to the speaker (excludes tutorials)
- Two (2) booth staff registrations
- Additional full conference registrations available at a discount for your staff (Limited to 5)
- 30-minute presentation to all session attendees as part of the main conference program
- Pre-conference attendee lists for one-time usage through a third-party mail house
- Your choice of one of the following:
 - » Tuesday or Thursday Lunch
 - » Private Invitation-Only Dinner for 10-12 invited delegates plus 3 staff members
 - » 6-8 One-on-one meetings with selected prospects (20 minutes)
 - » Battery Innovator Award
 - » Keynote panel co-presenter (7-8 minutes)
 - » Keynote intro (10 minutes) (Exclusive)
 - » Hotel key cards (Exclusive)
 - » Badge lanyards (Exclusive)
 - » Tote bags (Exclusive)
 - » Wi-Fi Co-Sponsor
 - » Welcome Reception (Tuesday – Exclusive)
 - » Foot trails carpet advertising
- Opportunity to host a breakout discussion table on the main conference program
- Banner ad in conference app
- Talk promoted in the final conference brochure, event website, conference proceedings, program and exhibits guide, and on-site signage highlighting your organization as a "Premier Sponsor"



CORPORATE SPONSOR Agenda Presentation

Exhibition/Meeting Space & Delegate Passes

- 8'x10' exhibit space
- Two (2) Main conference registrations (excludes tutorials)
- Complimentary registration for the speaker
- Two (2) booth staff registrations

Thought Leadership & Branding

- 15- or 30-minute presentation to all session attendees (live and virtual) as part of the main conference program
- Talk promoted in the final conference brochure, event website, conference proceedings, conference materials, and onsite signage

CORPORATE SPONSOR One-to-One Meetings

Exhibition/Meeting Space & Delegate Passes

- One 8'x10' exhibit space

Thought Leadership & Branding

- Small room for one-to-one meetings—Day and time to be determined
- CET will set up 6-8 one-to-one meetings and confirm attendance
- Sponsor (your company) will select invitees from the conference preregistration list
- CET will extend invitations, conduct follow-up, and monitor responses
- CET will place reminder cards in the badges of attendees onsite

**CONTINUED ON
NEXT PAGE**

CORPORATE SUPPORT

Exhibition/Meeting Space & Delegate Passes

- One 8'x10' exhibit space
- Two (2) main conference registrations

Thought Leadership & Branding

The Corporate Support Sponsor will have the option to choose one of the following options:

- Coffee/Refreshment Break Sponsorship
- Floor-Standing Meter Board
- Literature Distribution – “Chair Drop”

CORPORATE SPONSOR – VIP DINNER

Exhibition/Meeting Space & Delegate Passes

- One 8'x10' exhibit space
- Two (2) Main conference registrations

Thought Leadership & Branding

- Sponsor will host an Invitation-Only VIP Dinner (restaurant and exact date/time to be determined). To ensure optimum face-to-face networking, CET suggests dinner be limited to 12 guests, plus up to three representatives from Sponsoring company and two representatives from Cambridge EnerTech.
- CET will work closely with Sponsor to develop an invitation format and invitees list. CET will extend invitations.
- CET will forward the pre-registration list 3-4 weeks out from the event date (post advanced registration deadline) to ensure largest prospect list.
- CET will send Sponsor the full-contact info attendee list from dinner post-conference.

ALL PROGRAMS MENTIONED ALSO INCLUDE:

- Corporate logo on the cover of the final conference brochure
- Corporate logo in the conference proceedings
- Corporate logo with link on the homepage of the event website
- 50-word company description in the Conference Materials
- Pre- & post-conference attendee lists for one-time usage through a third-party mail house
- On-site signage designating your company as a sponsor
- Conference discount email for your clients & prospects: Provide us your list and we can send an email on your behalf OR we will provide you with a discount code to send out on your own—a savings of up to \$200 will be offered

ADDITIONAL OPPORTUNITIES INCLUDE:

- Exhibit Booth Space [View Exhibit Contract](#)
- Conference Tote Bags (Exclusive—includes tote bag insert)
- Registration Area Sponsor (Exclusive)
- Double-sided Meter Board

For more information,
please contact:

Companies A-K

Sherry Johnson

Senior Business Development Manager
781-972-1359
sjohnson@cambridgeinnovationinstitute.com

Companies L-Z

Rod Eymael

Mgr., Business Development
781-247-6286
reymael@cambridgeenertech.com

Join Us in Chicago!



Conference Venue and Hotel:

InterContinental Chicago Magnificent Mile
505 N Michigan Ave
Chicago, IL 60611

Discounted Room Rate: \$219 s/d

Discounted Room Rate Cut-off Date: July 13, 2026

Top Reasons to Stay at the InterContinental Chicago Magnificent Mile

- Classic luxury hotel in the heart of downtown Chicago on the famed Magnificent Mile, lined with luxury boutiques and flagship stores.
- Complimentary Wireless Internet in your guest room
- Direct access to premier dining, world-class shopping, museums, tours, nightlife, and lakefront attractions

Exceptional Onsite Experiences:

- Michael Jordan's Steakhouse — acclaimed for prime dry-aged beef and seasonal menus.
- Casa Chi — chic lounge with Japanese-inspired flavors & sake offerings.
- Wellness & Spa services
- Fitness Center and Business Center

For hotel reservations, please go to the Travel page of
CambridgeEnerTech.com/solid-state-batteries



Can't Join Us In-Person?

Connect from anywhere. Join via our robust virtual platform and access these dynamic features.

INTUITIVE
INTERFACE



COMPANY
BRANDING



DOWNLOADS



LIVE CHAT



LIVE
SESSIONS



RECORDED
SESSIONS



POSTER
SESSIONS



CambridgeEnerTech.com

REGISTER NOW!

Reducing Costs and Achieving Safe, High Energy
Density Batteries with Solid Electrolytes

SOLID-STATE BATTERY SUMMIT

AUGUST 11-12, 2026 | CHICAGO, IL

Implementing Lithium-ion Battery Safety to
Meet Increasing Energy Demands

BATTERY SAFETY SUMMIT

AUGUST 12-13, 2026

PREMIUM PRICING

INCLUDES ACCESS TO BOTH CONFERENCES PLUS VIRTUAL AND ON-DEMAND ACCESS
FOR ONE YEAR. DOES NOT INCLUDE TUTORIALS.

ADVANCE REGISTRATION RATE UNTIL JULY 24, 2026

LATE REGISTRATION RATE AFTER JULY 24, 2026

COMMERCIAL

\$1,699

\$1,799

ACADEMIC & GOVERNMENT

\$1,099

\$1,199

BASIC PRICING

INCLUDES ACCESS TO BOTH CONFERENCES PLUS VIRTUAL AND ON-DEMAND ACCESS
FOR ONE YEAR. DOES NOT INCLUDE TUTORIALS.

ADVANCE REGISTRATION RATE UNTIL JULY 24, 2026

LATE REGISTRATION RATE AFTER JULY 24, 2026

COMMERCIAL

\$1,299

\$1,399

ACADEMIC & GOVERNMENT

\$899

\$999

TUTORIAL ONLY

Includes tutorial access only plus On-Demand access for one year.

1 TUTORIAL

2 TUTORIALS

COMMERCIAL

\$379

\$579

ACADEMIC & GOVERNMENT

\$279

\$429

Want to Register by Phone?

Contact our Registration
department at 781-972-5400 or
Toll-free in the US
888-999-6288.

Group Pricing

Have your colleagues or entire team attend the
event. Purchase one registration at full price,
and participants from the same organization will
receive a 20% discount. For more information
on group discounts, contact Jeff Knight,
jknight@cambridgeenergetech.com,
781-247-6264.

Poster Discount: \$50

Poster materials are due by July 17, 2026. Once your
registration has been fully processed, we will send
an email containing a unique link and instructions for
submitting your poster materials. If you do not receive
your link within 5 business days, please contact
jring@cambridgeenergetech.com.

HOW TO REGISTER: CambridgeEnerTech.com

reg@cambridgeenergetech.com | P: 781.972.5400 or Toll-free in the U.S. 888.999.6288

Please use keycode
BMSS-F
when registering!

Please refer to the Registration Code below:

 Cambridge
EnerTech
A Division of Cambridge Innovation Institute

250 First Avenue, Suite 300
Needham, MA 02494
CambridgeEnerTech.com
Fax: 781-972-5425