

The USA's Most OEM-Concentrated
EV Battery Engineering Conference
70% Of Delegates Represent Leading Automotive OEMs

05.28.2026 | CONFERENCE & EXPO
CROWNE PLAZA, PALO ALTO

EV BATTERY SYSTEMS ENGINEERING & INTEGRATION

BATTECH

California

Engineering the Next-Gen EV Battery Platform

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Welcome to BATTECH California 2026 —
the evolution of Battery Thermal Management USA
BEVs are no longer constrained by chemistry alone



1DAY
TECHNICAL FOCUS



40+
SPEAKERS



60+
EXHIBITORS



500+
DELEGATES

ENGINEERING THE NEXT GENERATION OF EV BATTERY SYSTEMS

The West Coast's Leading Technical Conference & Exhibition for OEM Battery Integration & Industrialisation

Welcome to **BATTECH CALIFORNIA 2026** — the evolution of **Battery Thermal Management USA**

The USA's Most OEM-Concentrated EV Battery Engineering Conference
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For eight years, this event has advanced the discipline of battery thermal engineering. In 2026, the scope expands to reflect the new industry reality: **thermal management is no longer a standalone topic** — it is one element within a far more complex battery system architecture challenge.

As EV platforms push toward **structural packs, 800V–1000V systems, ultra-fast charging, silicon-rich chemistries, and domestic gigafactory scaling**, the real engineering question is no longer just “*how do we cool it?*” — but:

How do we design, integrate, validate, and industrialise complete battery systems that are safe, scalable, durable, and cost-effective?

BATTECH USA, California — brings together 500+ senior OEM battery engineers, pack architects, manufacturing leaders, and advanced materials specialists to address exactly that challenge.

The 2026 agenda has been developed in direct collaboration with automakers, cell manufacturers, and tier-one suppliers to reflect the most urgent technical priorities shaping next-generation vehicle platforms.

2026 CONFERENCE THEMES

Battery Architecture & Structural Integration

- Structural battery packs & cell-to-chassis platforms
- Crash load paths intersecting with thermal risk zones
- Adhesive vs mechanical joining strategies
- Propagation mitigation within high-density formats

Fast Charging & High-Voltage Evolution

- 6C+ and megawatt charging compatibility
- 800V to 1000V insulation and arc tracking challenges
- Managing heat flux under extreme power densities
- Charge-rate durability vs warranty exposure

Advanced Cooling & Thermal Control

- Immersion and two-phase cooling strategies
- Integrated coolant modules & modular pack cooling
- Thermal interface optimisation & PCM integration
- Power electronics and battery cooling convergence

AI, Digital Engineering & Simulation

- Digital twins for pack optimisation
- Multi-physics modelling for propagation prediction
- AI-driven degradation forecasting
- Bridging cell-level data with system-level insight

Manufacturing & Industrialisation

- Advanced battery assembly processes
- Automation, joining, and yield optimisation
- Dry electrode and scalable production strategies
- Cybersecurity in battery and manufacturing systems

Safety, Compliance & Lifecycle Strategy

- Pack-level propagation science
- Functional safety & BMS integration
- Evolving fire codes & regulatory alignment
- Sustainability, recyclability & circular economy design

Battery technology is no longer about pushing chemistry alone.

It is about integrating chemistry, structure, thermal control, safety, and manufacturing scale into a cohesive vehicle platform.

BATTECH USA, California — is where that integration is debated, engineered, and accelerated.

This is not a research symposium. This is not a generic battery expo.

BATTECH USA, California is a solutions-driven engineering summit designed to accelerate collaboration across OEMs, cell manufacturers, and system suppliers — focusing on the real-world trade-offs that define next-generation EV battery platforms.

On the exhibition floor, explore advanced materials, structural solutions, AI modelling platforms, high-voltage insulation systems, and manufacturing technologies that are actively shaping vehicle programs entering production.

As electrification accelerates, competitive advantage will belong to those who master battery system integration — not just cell chemistry. **BATTECH USA, California** is where that integration is engineered.



08:40 Registration

09:00 Chair's Opening Remarks

Battery System Design Under Constraint: Yield, Fast-Charge Limits & Reliability Trade-Offs at Scale

Bob Galyen, Former Chief Technology Officer, CATL | Chairman, NAATBatt International

Battery system performance is increasingly defined by constraint — not capability.

Manufacturing yield, process variability, and formation time are now directly influencing pack design, cost, and scalability, while fast-charging targets are pushing cells into regimes where degradation and thermal imbalance accelerate.

This session explores how these competing factors are shaping battery system design — and where current validation approaches are failing to capture real-world behaviour.

- Manufacturing Reality vs Design Intent
How yield loss, process variability, and formation time are directly shaping cost, throughput, and scalability at gigafactory level
- Fast Charging vs Degradation Limits
Where aggressive charging strategies are pushing cells into lithium plating, thermal imbalance, and accelerated ageing under real-world duty cycles
- Pack-Level Architecture Trade-offs
How structural integration, cooling strategies, and serviceability requirements are being balanced against performance and safety targets
- Validation vs Real-world Behaviour
Where testing frameworks and simulation are failing to capture field conditions — and how this is translating into risk, uncertainty, and warranty exposure

09:20



You Can't Optimise Everything: Engineering Battery Systems Under Yield, Fast-Charge & Warranty Constraints

Brian Engle, Chairman, NAATBatt International; SAE Fellow; Chair, SAE Battery Standards Steering Committee

Battery programmes are constrained by what can be built, validated, and warranted at scale.

At gigafactory level, yield loss, formation time, and process variability are now dictating \$/kWh, while fast-charge performance and energy density targets are pushing cells into regimes where degradation, lithium plating, and thermal risk accelerate rapidly.

The result is a growing disconnect between what is theoretically achievable and what is manufacturable, reliable, and insurable in the field.

We will examine:

- Where yield is actually being lost across electrode processing and assembly — and how this is reshaping pack design assumptions

- The real limits of fast charging in large-format cells, and how thermal gradients and duty cycles are driving degradation in the field
- How pack architecture decisions are balancing energy density, propagation resistance, cooling performance, and serviceability
- Which next-generation chemistries are genuinely scalable — and which remain constrained by process stability and supply chain reality
- Where validation frameworks are failing to capture real-world failure modes, and how this translates into warranty and recall exposure

The core question:

How do you engineer a battery system that can be built at yield, charged at speed, survive in the field, and still meet cost targets — without pushing failure risk downstream?

09:40



Constellium

Optimizing Thermal and Electrical Systems with Advanced Aluminum

Dr. Jack Franklin, Customer Application Engineer, Constellium

Lightweighting has been a key focus in the automotive industry for decades, yet many vehicle components remain largely unchanged in their material approach. As electrification accelerates and efficiency targets become more aggressive, OEMs are now challenging traditionally overlooked components — including brake discs, thermal systems, and structural elements — creating new opportunities for advanced aluminum solutions beyond conventional applications.

This presentation explores the key drivers behind the transition to lightweight materials, including vehicle range optimization, sustainability goals, cost pressures, and supply chain resilience. Attendees will gain insight into how next-generation aluminum solutions can enable meaningful weight reduction without compromising performance, durability, or safety.

The session will address the critical balance between material properties, manufacturability, and sourcing strategy, highlighting how innovative product development and collaborative engineering approaches are helping accelerate adoption across EV and HEV platforms.

Key Learning Objectives:

- Understanding conductivity-versus-strength trade-offs in EV busbars and HV architectures
- Exploring where aluminum can replace copper and steel without compromising performance
- Examining simulation-driven optimization for battery cooling and enclosure design
- Understanding how thermal gradients and material selection impact battery safety and durability
- Evaluating lightweighting, manufacturability, recyclability, and scalability advantages of aluminum
- Exploring material strategies for battery protection, intrusion resistance, and structural integration

- Understanding how OEMs and suppliers are accelerating validation through collaborative development

10:00



Design Fastening Strategies That Balance Structural, Thermal, Electrical, and Manufacturing Requirements — While Managing Trade-Offs Between Safety, Serviceability, and Scalability at Pack Level

Jackson Bowers, Application Engineer, Arnold Fastening Systems

Engineers are now dealing with conflicting requirements: Structural stiffness vs serviceability, sealing vs rework, thermal interface control vs assembly speed, and access vs automation.

In practice, fastening decisions are directly impacting: pack integrity under load, thermal contact performance, leak paths in coolant systems, and the ability to build and repair packs at scale.

- How are fastening strategies are being engineered under these real constraints — where small design decisions at joint level are driving system-level performance, manufacturability, and failure risk?
- Understand how joint design influences load paths, stiffness, and crash performance — and where fastening becomes a limiting factor in structural architectures
- Assess how fastening decisions impact coolant sealing, ingress protection, and gas management under normal operation and failure condition
- Compare permanent vs serviceable joining strategies, and understand their implications for repairability, durability, and lifecycle cost
- Recognise how access, cycle time, automation, and process variability affect fastening performance and scalability in production environments
- Understand grounding, conductivity, and high-voltage integration challenges — and how fastening choices influence electrical reliability and safety

10:20

VOLTAIQ

AI in Battery Development: Where It Actually Works. Moving Beyond the Hype to Deliver Real Engineering Value

Eli Leland, PhD, CTO & Co-Founder, VOLTAIQ

Artificial intelligence and machine learning have become some of the most talked-about technologies in battery R&D. AI is being positioned as a transformative tool capable of accelerating materials discovery, improving cell performance, and shortening development cycles. But where does AI actually deliver measurable value today? This session takes a pragmatic look at where AI is already working inside battery development programs — and where it still falls short. The discussion will examine how AI can augment traditional electrochemical modelling, accelerate materials evaluation, and improve predictive understanding of battery behaviour across the development lifecycle.

Rather than presenting AI as a universal solution, we'll look at specific use cases where it provides genuine engineering advantages, and how organisations can integrate AI tools into existing R&D processes without disrupting proven methodologies.

Key discussion points include:

- Where AI is delivering real value in battery R&D today (materials discovery, degradation modelling, test data analysis)
- Combining physics-based models with machine learning approaches
- Using AI to accelerate experimental design and materials screening
- Data challenges: quality, availability, and standardisation in battery research
- Bridging the gap between academic AI models and industrial deployment
- Lessons learned from early AI adoption in battery development programs
- Future opportunities for AI-driven battery innovation

10:40

MORNING BREAK

11:20



CALIENTÉ

Cold Starts, Slow Charging & Range Loss: The Battery Heating Challenge OEMs Can No Longer Ignore

Mike Kelly, President, Caliente LLC

Low temperatures continue to restrict charge rates, reduce regenerative braking capability, accelerate lithium plating risk, and significantly impact range — particularly across commercial, fleet, and non-liquid cooled platforms.

We examine how modern battery heating architectures, including ultra-thin heater pads and self-regulating PTC technologies, are being deployed to improve cold-weather charging, thermal uniformity, and pack-level safety — without adding excessive weight, complexity, or energy consumption.

What is new— is the shift in architecture and cost pressure that is making battery heating a much bigger systems problem than it used to be.

- How do you maintain fast charging and battery performance in cold environments — without overcomplicating the thermal system?
- Why cold-weather charging is becoming a critical constraint on EV performance and customer acceptance
- The relationship between low-temperature charging, lithium plating, and long-term degradation
- Where battery heating systems are replacing or supplementing liquid thermal architectures
- Trade-offs between fixed wattage and self-regulating PTC heating strategies
- How OEMs are balancing heating performance, efficiency, safety, and system cost across next-generation EV platforms

11:40

Henkel

Why Thermal Models Fail at Pack Level: Assumptions, Interfaces & the Reality of EV Battery Performance

Kush Patel, Application Engineer, Henkel

Many programmes still encounter late-stage issues where simulated performance diverges from real-world behaviour, driven by gaps in material data, interface modelling, and process variability.

The core question: How do you build thermal models that are reliable enough to drive early design decisions — when real-world performance is dominated by interfaces, materials, and manufacturing variation?

- How modeling and simulation are being applied — and where they are still falling short in predicting thermal performance at pack level.
- Identify where thermal models break down at pack level and why correlation issues persist
- Understand how material behaviour influences simulation accuracy in real systems
- Evaluate design trade-offs using simulation without over-reliance on ideal assumptions
- Improve correlation between modeling and validation to reduce late-stage risk
- Apply simulation strategies that support scalable, manufacturable thermal designs

12:00

NEOGRAF SOLUTIONS

How Do You Design Battery Pack Architectures That Maintain Energy Density and Structural Efficiency — Without Increasing Propagation Risk?

Bret Trimmer, Applications Engineering Manager, NeoGraf Solutions

As battery packs move toward cell-to-pack and cell-to-chassis architectures, the conditions that once limited propagation are being engineered out. Cell spacing is reduced. Passive barriers are minimised. Structural elements sit directly adjacent to active materials. At the same time, energy density and fast-charge performance continue to increase.

The result is a growing disconnect between cell-level safety validation and pack-level failure behaviour. In this environment, thermal runaway propagation is no longer governed primarily by chemistry — it is driven by pack architecture, heat flow pathways, and system-level design decisions.

We examine how propagation risk is being redefined at pack level, and how passive thermal strategies can be engineered into the structure of the battery to manage and contain failure events.

- How CTP and cell-to-chassis architectures are changing propagation dynamics — including spacing reduction, structural coupling, and energy density vs safety trade-offs
- How heat flow directionality (in-plane vs through-plane) influences propagation behaviour across cells and structures
- The role of passive heat routing and venting in managing hot gas flow, pressure, and secondary ignition risk

- How graphite-based materials can be integrated into pack architecture to control heat flow and limit propagation
- Trade-offs between graphite, aerogels, and ceramic barriers — balancing performance, weight, manufacturability, and scalability

12:20

HUNTSMAN

Polyurethane is Being Asked to Replace Structure, Insulation, and Protection — Can It Actually Do All Three?

Michael Micakovic, Global Polyurethane Battery Application Engineer, Huntsman

Materials are being pushed to deliver mechanical support, thermal protection, and electrical isolation simultaneously — often within tightly constrained geometries.

Polyurethane systems are increasingly used across cell, module, and pack levels to meet these demands. But as integration increases, so do the trade-offs — particularly around load transfer, thermal behaviour, durability, and manufacturability at scale.

The core question: How do you deploy polyurethane as a multi-functional material in structural battery systems — without introducing new failure modes at scale?

We will examine:

- Where polyurethane is replacing structural or protective elements — and how this changes load paths, stiffness, and crash behaviour
- The limits of polyurethane in thermal protection and propagation resistance under real operating conditions
- How material selection is balancing mechanical performance, insulation, and weight within integrated pack architectures
- Where durability risks emerge under thermal cycling, vibration, and long-term ageing
- How processing constraints — including dispensing, curing, and scale-up — impact consistency and yield

12:40

DUPONT

From Mobility to Energy Storage: How Adhesive Technologies Bridge BEV and BESS Battery Design

Niranjan Malvadkar, Ph.D. Research Scientist, DuPont

Battery Electric Vehicle (BEV) battery packs and Battery Energy Storage System (BESS) battery modules share similar architectures, operating requirements, and performance constraints, driven by common underlying battery technologies. In both applications, system design is governed by the need for long battery cycle life, cost-efficient manufacturing and safety performance.

Adhesive technologies have become critical enablers in meeting these requirements and are now integral to modern BEV and BESS battery assembly strategies. DuPont's multifunctional materials provide structural bonding while simultaneously delivering electrical insulation and controlled thermal conductivity—functions that are essential to mechanical integrity, thermal management, and overall system safety.

This presentation will:

- Examine adhesive technologies used in both BEV battery packs and BESS battery modules
- Focus on the importance of adhesive technologies for the assembly, durability, safety, and cost-efficient production of both Battery Electric Vehicle (BEV) battery packs and Battery Energy Storage Systems (BESS) battery modules.

13:00

LUNCHEON

14:00

KINGFA

From Global Speed to North American Scale: North American Localized Polymer Solutions for Battery Thermal Safety and BDU Protection

Khaled Rashwan, Key Account Manager, **Kingfa Sci. & Tech. Co., Ltd.**

Battery thermal management is no longer only a cooling challenge. For OEMs and Tier 1 suppliers, it now directly impacts pack safety, high-voltage protection, BDU reliability, manufacturability, and total system cost.

As battery architectures become more compact and cost pressure increases, material selection and local supply capability are becoming critical levers for safer and more competitive battery systems. In this session, Kingfa will share how advanced polymer materials, global fast-moving battery ecosystem insight, and North American localization capability can support practical, production-ready solutions for OEMs and Tier 1 suppliers. The presentation will highlight flame-retardant, fire-resistant, ablation-resistant, electrically insulating, and lightweight material solutions for pack covers, insulation boards, copper bar protection, BDU-related components, and high-voltage electrical protection.

Attendees will see how Kingfa can support the full path from material selection and application development to localized production and supply in North America, helping customers improve battery safety, reduce weight, support metal replacement, reduce supply risk, and identify VAVE opportunities in next-generation battery programs.

14:20

WACKER

Adhesives in Cell-to-Pack Battery Packs: Cure Control, Bondline Performance & Manufacturing Constraints

Dr. Kevin Payne, R&D Manager, **Wacker Chemical Corporation**

As battery packs move toward cell-to-pack architectures, adhesives are no longer secondary materials — they are critical to structural integrity, thermal transfer, and manufacturing scalability.

However, integrating adhesives at pack level introduces competing constraints: cure time vs takt time, bondline thickness vs thermal performance, and permanent bonding vs rework and repairability. In practice, adhesive behaviour under real process conditions — including curing variability, thermal cycling, and interface stability — is increasingly defining both pack performance and production yield.

This session examines how next-generation hybrid adhesive systems are being engineered to address these constraints, with a focus on predictable curing, durable bonding, and process control in high-volume battery manufacturing.

We will explore:

- How curing kinetics influence assembly throughput, process control, and variability at scale
- The relationship between bondline design and thermal performance in direct cell-to-cooling integration
- Durability challenges — including thermal cycling, ageing, and long-term interface stability
- Trade-offs between adhesive systems (silicone, PU, epoxy, hybrid) in structural and thermal applications
- Strategies to improve consistency and predictability in adhesive-driven assembly processes

The core question:

How do you design adhesive systems that deliver structural and thermal performance — without introducing bottlenecks in manufacturing, variability in process, or long-term reliability risk?

14:40

EVONIK
Leading Beyond Chemistry

Thermal vs Electrical Constraints in 800–1000V Systems: Material Trade-Offs in Cooling & Power Distribution

David Schmitz, Segment Manager **Automotive & Mobility High Performance Polymers – LCPA, EVONIK Industries**

Material selection for cooling lines, busbars, and insulation is no longer independent — it directly affects dielectric performance, thermal efficiency, and long-term durability under combined electrical and thermal loading.

In practice, engineers are balancing competing requirements: thermal conductivity vs electrical insulation, lightweighting vs robustness, and compact packaging vs reliability under ageing, vibration, and environmental stress.

We examine how advanced polymer systems — including long-chain polyamides, are being deployed across thermal management and high-voltage applications, and where they introduce new engineering trade-offs that must be managed at system level.

We will explore:

- Material requirements in 800–1000V systems: Dielectric strength, arc tracking resistance (CTI), and thermal stability under sustained electrical and thermal load
- Thermal vs electrical performance trade-offs: How material choices in cooling lines, connectors, and busbar insulation impact both heat transfer and electrical safety
- Durability under real operating conditions: Ageing, thermal cycling, moisture exposure, and their effects on long-term insulation and mechanical performance
- Packaging and integration constraints: Material selection in increasingly compact architectures, where routing, spacing, and system proximity drive risk
- Manufacturing and scalability considerations: Processability, cost, and consistency of polymer-based solutions in high-volume EV production

The core question:

How do you select materials that meet both thermal management and high-voltage electrical requirements — without introducing new failure modes or integration constraints at pack and system level?

15:00

intertek

How Testing Itself is Evolving in Response to Next-Generation Battery Architectures

The Industry is shifting from “Does it pass the standard?” to “Do we truly understand how it fails at scale?”

Rich Byczek, Global Chief Engineer, Batteries, **INTERTEK**

Battery packs are now structural members of the vehicle, energy density is rising, and fast-charging loads are intensifying — yet validation methodologies have historically remained compliance-driven rather than engineering-led.

This session explores how advanced pack-level abuse testing, controlled thermal runaway characterisation, high C-rate durability validation, and enhanced instrumentation are shifting the industry from simple pass/fail certification to data-rich failure analysis.

By combining propagation studies, real-world duty cycle simulation, and evolving regulatory alignment, the discussion addresses how OEMs can better quantify risk, design mitigation strategies, and reduce warranty exposure in next-generation EV platforms.

- Evaluate whether traditional standards (e.g., UN 38.3, IEC 62660, UL, SAE) adequately reflect failure risks in large-format, CTP, and structural battery packs.
- Quantify thermal runaway and propagation risk using controlled initiation testing, gas and pressure analysis, and multi-cell propagation studies to inform pack architecture decisions.
- Assess abuse testing methodologies (nail penetration, crush, overcharge, thermal shock) for next-generation high-energy cells and structural pack designs.
- Interpret engineering-grade failure data to improve barrier validation, fire mitigation strategy development, and compliance with evolving US fire and transport regulations.
- Model real-world durability and fast-charge degradation through high C-rate cycling, environmental chamber integration, and accelerated lifetime testing to reduce long-term warranty exposure.

15:20

one

Domestic LFP Cell Production: What Actually Qualifies?

Nathan Saliga, VP Engineering, **Our Next Energy (ONE)**

The answer to whether a domestic LFP cell line actually delivers a working cell is technical, not commercial.

This session delivers an engineering-led perspective from inside a U.S. LFP cell program that has already moved from specification to production qualification. It examines the realities of qualifying domestic materials across the full bill of materials, the failure modes that emerge as supply chains scale, and the cell-design decisions that determine whether LFP cells can reliably

operate across demanding defense, rail, and grid-storage temperature envelopes.

The session also explores how silicon-anode chemistry fits into future qualification strategies, what structurally changes as graphite transitions toward silicon composites, and what the next phase of domestic LFP development must deliver beyond factory announcements and political headlines.

- Evaluate the technical qualification cycle for domestic suppliers across every bill-of-materials line — cathode active material, anode graphite, electrolyte, separator, foils, and binders.
- Assess the failure modes that emerge when scaling new domestic materials from pilot to production, including particle morphology, slurry rheology, formation efficiency, and calendar life.
- Understand how cell-level design choices — electrolyte chemistry, separator selection, anode surface engineering, and thermal architecture — determine wide-temperature performance for defense, rail, and grid applications.
- Develop a working framework for distinguishing the technical challenges that actually gate next-generation domestic cells from solved problems wearing strategic costumes.

15:40

PANEL

Where Promising Battery Architectures Break Down Between Prototype, Production & Real-World Operation

What actually determines whether a battery system can move successfully from prototype to high-volume, real-world deployment — without creating unmanageable manufacturing, durability, safety, or warranty risk downstream?

Sama Aghniaey, Technical Specialist, Li-Ion Battery Cell Safety, **Ion Gates Consulting**

Clint O'Conner, Co-founder, **True Balancing LLC**.

Michael Plews, CEO & Co-Founder, **Ohmic Labs**

Key Discussion Points

- Why many battery architectures succeed technically — but struggle operationally at scale
- The growing disconnect between laboratory performance, simulation, and real-world field behaviour
- How manufacturing yield, process variation, and formation constraints are reshaping battery design assumptions
- Whether fast-charging targets are pushing current architectures beyond stable thermal and degradation limits
- How CTP/CTC integration is changing validation complexity, serviceability, and fault containment strategies
- Why interface stability, material aging, and tolerance accumulation are becoming increasingly critical in highly integrated packs
- Where OEMs are struggling most with balancing cost, manufacturability, performance, safety, and warranty risk simultaneously
- Which battery technologies and architectures appear genuinely scalable — and which may remain fundamentally difficult to industrialise

16:00

colare

AI-Powered Engineering Workforce Simulation & Technical Talent Evaluation

Esther Thomas, Co-Founder, **Colare**

16:10

AFTERNOON BREAK

Sponsored by colare

16:40



You're Optimising the Wrong Thing: AI, Trade-Off Blindness & Thermal Design Decisions in EV Battery Systems

Chase Allen, Machine Learning Application Engineer, **Neural Concept**

Thermal engineers are still being asked to "optimise" battery cooling systems. But in reality, there is no optimal solution.

Every improvement in cooling performance increases pressure drop. Every reduction in mass impacts thermal uniformity. Every packaging constraint removes design freedom.

And most critically: Engineers are being forced to commit to designs before the full trade space is understood — and before real-world behaviour is validated.

This is where most thermal design risk is now created.

This session examines how leading teams are using AI not to optimise designs — but to expose the compromises they are making, earlier and more explicitly.

The focus is on decision-making under constraint — not simulation speed.

We will examine:

- Where traditional workflows create false confidence in "optimised" thermal designs
- How limited design exploration leads to hidden trade-offs and late-stage failures
- Why engineers are often selecting solutions without visibility of the full design space
- How AI-driven approaches can map millions of design permutations to reveal non-obvious compromises
- What this means for cold plate design, thermal packaging, and system-level integration under constraint
- Where AI still falls short — particularly in capturing real-world behaviour and validation gaps

The core question:

How do you make the right thermal design decision — when every solution is a compromise, and you can't afford to discover it too late?

17:00



Solid-State Batteries at Scale: Can High-Pressure Processing Deliver Yield, Density & Throughput?

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

Solid-state batteries promise step-changes in energy density and safety — but their commercial viability is constrained by manufacturing complexity, defect control, and scalability.

Achieving consistent contact between solid interfaces, eliminating voids, and maintaining structural integrity at scale remain critical challenges — particularly as production moves from lab-scale to gigafactory environments.

This session examines the role of Warm Isostatic Pressing (WIP) in addressing these challenges — not as a standalone process, but as part of a broader effort to enable high-density, defect-controlled solid-state battery production at industrial scale.

The focus is on how pressure, temperature, and cycle time interact to influence yield, performance, and throughput — and whether these approaches can realistically support gigawatt-hour manufacturing.

We will examine:

- Where solid-state manufacturing is currently constrained by voids, poor interfacial contact, and defect formation
- How high-pressure processing influences density, ionic conductivity, and cycling stability
- Trade-offs between pressure, temperature, cycle time, and throughput in production environments
- The challenge of scaling from lab processes to repeatable, high-volume manufacturing
- What this means for cost, yield, and commercial viability of solid-state battery systems

The core question:

Can solid-state battery architectures be manufactured at scale — without introducing yield, cost, and throughput constraints that undermine their advantage?

17:20



Cell-to-Pack Evolution: Reducing Complexity Without Creating New Failure Modes

Sitanshu Pandya, Leader in Battery Reliability & Quality, Ex-Tesla, **CellLink Corporation**

Functions once distributed across modules must now be managed directly at pack level under tighter packaging constraints and with far less tolerance for error.

How do you reduce battery pack complexity and mass through Cell-to-Pack integration — without introducing new thermal, structural, and validation risks downstream?

This session examines how Cell-to-Pack architectures are evolving beyond simple packaging optimisation into highly integrated structural and thermal systems — and where new risks are emerging around thermal propagation, serviceability, manufacturability, validation, and long-term durability.

The focus is not on CTP as a concept, but on how OEMs are managing the system-level consequences of removing layers, interfaces, and redundancy from battery pack design.

- How Cell-to-Pack architectures are changing thermal management, structural load paths, and electrical isolation strategies
- The trade-offs between energy density, manufacturability, serviceability, and propagation resistance in highly integrated packs
- Where the removal of module-level separation introduces new thermal and mechanical integration risks

- Challenges in coolant distribution, thermal uniformity, and pack-level fault containment under constrained geometries
- The growing role of adhesives, potting systems, interface materials, and structural bonding within CTP architectures
- How OEMs are validating durability, crash performance, and reparability in increasingly integrated battery systems

17:40

Fire Side Chat

How Do You Engineer Battery Packs That Meet Thermal, Structural & Safety Targets — Without Creating Unmanageable Manufacturing & Validation Complexity Downstream?

Yuhang Chen, *Advanced EV development, Battery Pack Engineering, Ford*

The traditional separation between thermal management, crash protection, electrical isolation, and manufacturability is rapidly disappearing.

Functions that were once handled independently are now being forced into the same materials, interfaces, and packaging volumes — creating growing tension between performance, safety, assembly complexity, and validation confidence.

The result is that many pack architectures now reach DV/PV and SOP phases with integration risks that were not fully visible during concept development or simulation.

This session examines where battery pack integration is becoming operationally fragile — and how OEM engineering teams are balancing thermal, structural, and safety requirements without introducing unmanageable manufacturing complexity or downstream validation risk.

- Trade-offs between thermal performance, structural integration, packaging efficiency, and manufacturability
- The growing role of thermal adhesives, potting systems, insulation materials, and structural components in integrated pack architectures
- Challenges in coolant distribution, cold plate integration, and thermal uniformity under constrained geometries
- Where pack-level integration begins to create validation, assembly, and serviceability challenges
- The disconnect between concept optimisation, DV/PV testing, and SOP production reality
- How OEM teams are balancing safety, performance, cost, and production readiness simultaneously

18:00



Solid-State Batteries Without Semiconductor Economics: Can They Actually Be Manufactured at Automotive Scale?

Hui Du, PhD, *Co-Founder & CTO, Ampcera*

Eongyu Yi, PhD, *Director of Battery Technology, Ampcera*

We examine whether current solid-state development strategies are optimising for laboratory performance at the expense of manufacturability and yield; exploring the production constraints created by pressure

requirements, interface sensitivity, and material purity demands — and where process complexity begins to undermine throughput, scalability, and gigafactory cost targets.

The discussion will focus on the trade-offs between energy density, fast charging capability, defect tolerance, and production stability, as well as which solid-state approaches are most compatible with existing lithium-ion manufacturing infrastructure.

- Understand the key manufacturing constraints limiting automotive-scale solid-state battery production
- Evaluate the relationship between process complexity, yield stability, and commercial viability
- Assess the trade-offs between performance optimisation and manufacturability in solid-state architectures
- Identify the integration challenges associated with scaling solid-state production within existing gigafactory environments
- Explore which solid-state development pathways appear most realistic for high-volume automotive deployment

18:20



Thermal Management Under Constraint: How Operational Context Reshapes Battery Architecture Decisions

Alen Antony, *Mechanical Engineer, Wing Aerospace*

This session explores how battery thermal management strategies fundamentally change when operational context, infrastructure assumptions, packaging constraints, and vehicle architecture differ across industries.

Drawing from experience across automotive, agricultural electrification, and aerospace-related systems, the discussion examines how thermal management becomes a broader systems engineering problem involving packaging, manufacturability, infrastructure, serviceability, weight sensitivity, and operational behavior, rather than treating thermal management as an isolated subsystem optimization problem.

Using real-world examples from agricultural battery systems, the session will explore how environmental conditions, long-duration parking behavior, swappable battery architectures, thermal mass, and infrastructure assumptions can reshape thermal design decisions and lead to solutions that may differ significantly from traditional automotive approaches.

The presentation will focus on the engineering trade-offs behind these decisions and how first-principles thinking can help engineers navigate increasingly complex battery system integration challenges across next-generation electrified platforms.

18:40

Chair's Closing remarks

19:00

Drinks Party

The USA's Most OEM-Concentrated
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05.28.2026

CONFERENCE&EXPO
CROWNE PLAZA, PALO ALTO

EV BATTERY SYSTEMS ENGINEERING & INTEGRATION

BATTECH

California

SUMMIT Rate

\$899

OEM / Manufacturer

- Prices include food & beverages, morning breakfast & coffee
- Networking breaks, coffee and snacks. Hot buffet luncheon
- Afternoon coffee break including soft drinks & snacks
- All attendee evening drinks reception – open bar

SUMMIT Rate

\$1,300

Supplier / Vendor

- Prices include food & beverages, morning breakfast & coffee
- Networking breaks, coffee and snacks. Hot buffet luncheon
- Afternoon coffee break including soft drinks & snacks
- All attendee evening drinks reception – open bar

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BATTECH USA LAST YEAR'S ATTENDEE'S

24M Technologies	Senior Manager, Battery Pack System Development	BASF	Market Segment Manager, eMobility
24M Technologies	Vice President of Business Development	BASF	General Manager
3M Inc	Sr. Account Executive	Battery Metals Inc.	CFO
Adhesive Applications	Technical Representative	Battery Metals, Inc.	Founder & CEO
Advantech International	Senior Manager, Sales & Marketing	bdtronic	President
Advantech International	Sales Engineer/R&D	bdtronic	Engineering Director
Advantech International	Engineer	bdtronic	Sales Engineering Director
Advantech International	Business Development Specialist	bdtronic	Sales Engineer
Advantech International	Sales Engineer/Business Development	bdtronic	Senior Advisor
AISIN TECHNICAL	Materials Engineer	Birla Carbon	Techno Commercial Manager
AkzoNobel	Regional Marketing Specialist – NA, Powder Coatings	Blue Current Inc.	Chief Technology Officer
AkzoNobel	Business Development Manager	Blue Current, Inc.	Marketing Communications
AkzoNobel	Regional Segment Manager – Functional & EV, Powder Coatings, North America	Blue Current, Inc.	Sr. Manager, Battery R&D
AkzoNobel	Automotive Innovation Manager, Powder Coatings	Blue Current, Inc.	Marketing Communications Associate
AkzoNobel	Functional Product Manager, Powder Coatings	BMW	Sr. Battery Pack Engineer
AkzoNobel	Regional Segment Manager – Functional&EV, NA	BMW of North America, LLC	Senior Battery Technology Engineer & Technology Scout
AkzoNobel	Regional Marketing Specialist	bostik	Business Development Manager
AkzoNobel	eMobility Specification Sales Manager	Boyd	Director of Product Management – Engineered Materials
Alpha Engineered Composites	Director, Technology Development and Innovation	Boyd	Technical Lead, New Product Development
American Fairfield Inc.	Assistant of Sales Manager	Boyd	Field Application Engineer
American Fairfield Inc.	General Manager	BP CASTROL	eMobility OEM Liaison
Ampcera Inc.	Chief Technology Officer, Co-Founder	C-Therm Technologies	CEO
Ampcera Inc.	Co-founder and CEO	Cabot	Senior Global Marketing Communications Manager
Amphenol	Director Business Development	Cabot	Global Segment Manager
AMPHENOL	Account Manager	Cabot	R&D Manager
AMPHENOL	Business Development Manager	CALOGY SOLUTIONS	Business Development Strategist
Amphenol Advanced Sensors	Technical Account Manager	CALOGY SOLUTIONS	Innovation Manager
Ample	Sr. Battery Algorithms Engineer	CALOGY SOLUTIONS	Product Validation Engineer
Ample inc	Principal Engineer, CAE	Cambium Biomaterials	HV Battery Design Release Engineer
Ample inc	Simulation Engineer	Canoo	Director of Industrial Power & Data
Ample, inc.	Director, CAE	Carbice Corporation	Business Development Manager
And Aero	Co-Founder	Cargill Bioindustrial	CEO
And Aero	Founding Design Engineer	CARRAR	Marketing
Apple	Battery algorithm specialist	CARRAR	Vice President of R&D
Apple	Manufacturing Design Manager	CARRAR	Control Systems Engineering Specialist
Apple Inc	Hardware Engineer, SPG	Caterpillar Inc.	Engineer
Apple Inc	Materials PD	Caterpillar Inc.	Conference Chair
Apple Inc	Apple Product Design	CATL	Lead Systems Engineer
Apple Inc	Battery Production Design and Process	CATL	Engineering Manager
APPLIED GRAPHENE MATERIALS	Chief Executive Officer	CC Polymers LLC	President
Arbin Instrument	Sales Engineer	Cernitin Solutions	Sales Manager
Archer Aviation	Battery Engineer, Thermal CFD	Chase HumiSeal	Global Sales & Technical Services Director
Archer Aviation	Cell Engineer	Chasecorp	Strategy & Business Performance
Archer Aviation	Technical Specialist, Battery Module	Chevron	Manager – Emerging Products
Archer Aviation	Staff Manufacturing Engineer	Chevron Inc.	Regional Sales ManagerV
Archer Aviation	Technical Specialist, Battery Module	CHT	Sales Engineer
Archer Aviation	Battery Thermal Analyst	Cincinnati Test Systems	Business Development Manager
Archer Aviation	Senior Mechanical Engineer at Archer – Battery	COHERENT	CEO
ARGOMM SPA	Sales Engineer	Complabs	CTO
ARGOMM SPA	Sales Engineer	Complabs	VP of Sales – NW USA
ARKEMA	Lead Technical Service Engineer	COMSOL, inc	Senior Applications Manager
Arnold Fastening Systems	Application Sales Engineer Flowform	COMSOL, inc	Executive Sales Manager, Licensing & Legal
Arnold Fastening Systems	Director Functional Parts Pre-Series Production	COMSOL, Inc	Global Leader Customer Application Engineering
Arrowhead	Regional Independent Sales Representative	Constellium	Transportation, Industry and Defense
Arteco	OEM Technical Support Manager	Constellium	Key account manager Packaging and Automotive Rolled Products
Asahi Kasei Plastics NA	OEM Manager	Constellium	Product Development Manager
Ascend Elements	New Business Development Manager	Constellium	Senior Principal Account Manager
Asheville Mica Company	Senior Sales Engineer	Convergent Science Inc.	Senior Research Engineer
Aspen Aerogels	Engineer	Convergent Science Inc.	Office Assistant
ASPEN AEROGELS INC	Head of Sales & Business Dev – NA EV's	COVESTRO	Global Technical Lead-Batteries
ASYST Technologies, L.P.	Senior R&D Engineer	COVESTRO	Market and New Business Development
ATF	General Manager – Threadforming Segment	COVESTRO	Market Development Manager-Americas Battery Packaging and E-Powertrain
ATF	EV Sales Engineer	COVESTRO	Marketing Manager at Covestro- Automotive Adhesives and Sealants
Avery Dennison	Business Development Manager	COVESTRO	Senior Technical Sales Specialist
AVL	Account Manager	CSZ PRODUCTS	Western Regional Sales Manager
AVL	Manager – Advanced Simulation Technologies	Cuberg Inc	Staff Battery Systems Engineer
AVL	Inside Sales Specialist	Cuberg Inc	Staff Thermal Engineer
AVL	Senior Account Manager	Cuberg Inc.	Manager – CAE
Avnet	Sales Director, Lightspeed and Transportation	Cuberg Inc.	Staff Mechanical Engineer
Bamboo Charge	Manager	CUMMINS	Systems Test Engineer
BASF	Head of Polyurethane system and Polyol R&D		
BASF	Technical Manager		

OEM/Battery Mnf. **\$899** Vendor/Supplier **\$1,300**

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CUMMINS	Engineer	Evonik	Business Development Manager
CUMMINS	Electrochemistry Manager	Evonik	Segment Manager, Automotive emobility
CUMMINS	Mechanical Engineer	Evonik	Ph.D.Manager Application Technology & Product
Dana	Lead Systems Engineer	Evonik	Automotive OEM Business Development Manager
DavidLai	Engineer	Evonik	Segment Manager Automotive & Mobility
DEWESOFT	District Sales Manager for Michigan & Central Canada	Evonik	Automotive OEM Business Development Manager
DEWESOFT	Regional Sales Manager	Evonik	Technical BD Manager
Direct Electrical	Electrician	ex-Nikola Corporation	Sr Director, Battery Systems Engineering & Vehicle Level
DOBER	Sr Director, R&D, Cooling Systems &. Lubricants	Exponent	Senior Scientist
Doosan	Engineer	Exponent	Senior Managing Engineer
Dow	Engineered Materials	Exponent, Inc.	Senior Managing Engineer
Dow	Key Account Manager	Exponent, Inc.	Battery Consultant
Dow	Research Scientist	FARADAY FUTURE	Sr. Thermal Control Engineer
Dow	TS&D Director	FARADAY FUTURE	Thermal Control Engineer
Dow	Business Development Leader	Figure AI	Technical Specialist
Dow Chemical	Commerical Director	Figure AI	Staff Mechanical Engineer
DTP Thermoelectrics	CTO	Figure AI	Mechanical Engineer
DuPont	Global Integrated Marketing Communications Leader	Fisker Inc	Thermal Engineer
DuPont	Principal Investigator	Ford Motor Company	Battery Design Engineer
DuPont	Marketing & Business Development Manager- EV, AMS	Ford Motor Company	HV Battery ESE BEC Engineer
DuPont	Research Investigator	Ford Motor Company	Battery Module and Pack Development
DuPont	Commercial Manager	Ford Motor Company	Sr. Battery Pack Manager
DuPont	R&D Technical Leader	Ford Motor Company	Sr. Battery Pack Engineer
DuPont	NA Battery Technology Leader, Transportation Technologies	Ford Motor Company	EPE Thermal Systems Engineer
DuPont	R&D Technical Manager	Ford Motor Company	Systems Engineer, EPE Thermal Controls
DuPont	Business Development Leader – EV, AMS	Ford Motor Company	Technical Expert, Electrified Powertrain Thermo-Fluid Research
DuPont	Global Business Development Leader	Ford Motor Company	Research Engineer
EJOT	Senior Business Development Manager	Ford Motor Company	Structural System – Product Development
EJOT ATF	Director of Sales	Ford Motor Company	Joining Engineer
EJOT ATF	Director of Product Management	Ford Motor Company	Joining Engineer
EJOT ATF	Executive Vice President – Sales and Engineering	Ford Motor Company	Fastener Engineer Electrified Systems
EJOT ATF	Global Key Account Manager	Ford Motor Company	Electrified Systems Engineering
Elantas	EV Sales – Engineer	Ford Motor Company	R&D Fastening Solutions
Elantas	Senior Marketing Specialist	FORVIA	Innovation Project Manager
ELANTAS PDG	VP & Business Line Director	Forward Engineering	Managing Director
ELANTAS PDG	Director, Electrical Business Line	FreeWire Technologies	Sr. Battery Pack/Module Design Engineer
ELANTAS PDG	Strategic Account Manager	Fujipoly America	Applications Engineering Manager
ELANTAS PDG	Head of Basic Research	GALYEN ENERGY	Company Owner
ELANTAS PDG	Vice President and EL & WE Business Line Manager	Gamma Technologies	Head of Marketing
ELANTAS PDG	EL Business Line Manager	Gamma Technologies	Solutions Consultant
Electric Power Systems	Mechanical Engineer	Gamma Technologies	Strategic Account Manager
Electric Power Systems	Mechanical Engineer	Gamma Technologies	Strategic Account Manager
Electric Power Systems	Associate Fellow Engineer, Mechanical Systems	GARRETT ADVANCING MOTION	General Manager, Connected Vehicles
Electronic Cooling Solutions	President	Gasmet	Senior Product Engineer
Electronic Cooling Solutions	Director, Thermal Mechanical Systems	Gasmet Technologies Inc.	Product Engineer
ELEMENT	Business Development Manager – Fluids	Gasmet Technologies Inc.	Primary Product Engineer
Element Energy	Sr. Manager, Mechanical Engineering	Gasmet Technologies	Field Product Manager
Element Materials Technology	Business Development Manager	Generac	Thermal engineer
Elkem	Market Development Manager, EV	Generac Power Systems	Engineer
Elkem	Staff Scientist	General Atomics	Engineering Manager
Elkem ASA	Scientist	GENERAL ATOMICS	Mechatronics Engineer
Ellsworth	Ricardo Sanchez Supervisor – Key Accounts	General Motors	Advanced Propulsion Thermal Engineer
ElringKlinger	Regional Head of Product Lines	GENERAL MOTORS	Advanced Battery Engineer – Technology Development Work
ElringKlinger	Vice President Sales, Americas	GENERAL MOTORS	Technical Specialist – Battery Adhesives, TIM, Potting, Sealing
Elroy Air	High Voltage – Battery Design	GENERAL MOTORS	Electrification Thermal Management Materials Engineer
Elroy Air	Test Engineer	GENERAL MOTORS	DRE – Battery Module
Elroy Air	Director of Powertrain	GENERAL MOTORS	Materials Engineering – Adhesives Lead
EMP	Development Engineer	GENERAL MOTORS	Lead enclosure DRE
ENEOS USA INC	General Manager	GENERAL MOTORS	Sr Researcher
ENEOS USA Inc.	Sr. Vice President, Business Planning & Project	GENERAL MOTORS	Director of Advanced Thermal Systems and Technology
EnerVenue, Inc.	Sr. Mechanical Engineer	GENTHERM	Global Vice President, Market Development
Engineered Fluids	President & CEO	Graco Inc.	North American Representative
Engineered Fluids	Chief Scientist	Graphene Manufacturing Group	CEO
Engineered Fluids	Sales Engineer	Graphene Manufacturing Group	Business Development
Erwin Quarder	Sales Manager	GRUPO PREMO	Global Technical Manager ePower and Energy Storage
Erwin Quarder	Product Development Manager	H.B. Fuller	EV/Battery Adhesive Expert
Erwin Quarder	Sales Manager	H.B. Fuller	BDM-Battery
Erwin Quarder	Key-Account-Manager	H.B.Fuller	Business Development Manager – OEM/EV
Erwin Quarder Systemtechnik	R&D Director	Hanyang University	Master Student
Erwin Quarder Systemtechnik	Sales Engineer	Hanyang University ERICA	Staff Battery Design Engineer
Erwin Quarder Systemtechnik	Technology Manager	Harley Davidson	Senior Design Engineer – EV Powertrain
EV THERMAL FLOW SOLUTIONS	Chief Executive Officer		
Evolectric	Senior Mechanical Engineer		
Evonik	Segment Manager, Automotive emobility		

Heart Aerospace	Lead Battery Engineer	Lucid Motors	Manager - Battery Cell Engineering
Heart Aerospace	CTO	Lucid Motors	Manager, HV Mechanical Charging
HeatSync	Executive Sale Manager	Lucid Motors	Manager, Stationary Energy Storage
HeatSync	CTO	Lucid Motors	Mechanical Design Engineer
Henkel	Business Development Manager	Lucid Motors	Mechanical Engineer
Henkel	Business Development	Lucid Motors	Mechanical Engineer - High Voltage Battery Pack
Henkel	Business Development Manager eMobility	Lucid Motors	Mechanical Engineer - HV Battery
Henkel	Sr. Account Manager/EV Powertrain	Lucid Motors	Mechanical Engineer, Battery Enclosures
Henkel Corporation	E-Mobility Sales Engineer	Lucid Motors	Mechanical Engineer, Fasteners
Henkel Corporation	Sales Director E-Mobility & Automotive Electronics	Lucid Motors	Mechanical Engineer, Power Electronics
Huber Engineered Materials	Regional Sales Manager	Lucid Motors	Powertrain Project Management
HUBER USA	Sales Manager	Lucid Motors	Senior Battery Control Algorithm Engineer
Huntsman Advanced Materials	Scientist Technologist	Lucid Motors	Senior Battery Systems Engineer
Huntsman Advanced Materials	Director - Technical Service	Lucid Motors	Senior Engineer
HYLIION	Mechanical Design Engineer	Lucid Motors	Senior Thermal Engineer
Ingun	Director Operations / COO / Vice President	Lucid Motors	Senior Thermal Multi-Physics Engineer
Intertek	Sr Global Marketing Manager	Lucid Motors	Sr. Battery Safety Engineer
Intertek	Global Technical Director Transportation Technologies	Lucid Motors	Sr. Engineer, Battery Safety
Intertek	Renewable Energy Sales Executive	Lucid Motors	Sr. Engineer, HV Battery Systems
Intertek	Account Manager Energy/Battery/EV	Lucid Motors	Supplier Industrialization Engineering
Intertek	Global Technical Director, Transportation Technologies	Lucid Motors	Technical Specailist - Battery Safety
Intertek	Sales Executive & Key Account Specialist	Lucid Motors	Technical Specialist
ITW	Product Engineering Manager	Lucid Motors	Technical Specialist - HV Battery Mechanical
ITW	Director - EV Systems Engineering	Lucid Motors	Technical Specialist, Battery Module
ITW Drawform	Business Development	Lucid Motors	Technical Specialist, Hardware Engineering
ITW Drawform	Senior Sales Engineer	Lucid Motors	Technical Specialist, Thermo-Fluids
ITW Drawform	Business Development Engineer	Lucid Motors	Test Engineer, Battery Safety/Abuse
JBC TECHNOLOGIES	VP, Business Development	Lucid Motors	Thermal Multiphysics Engineer II
JBC TECHNOLOGIES	CEO	Lunar Energy	Senior Manager, Thermal Design
JM Huber	Senior Polymer Scientist	Lunar Energy	Staff Mechanical Engineer
JM Huber	Sales Manager Thermal Management	Lunar Energy	Senior Mechanical Engineer
Joby Aviation	Battery Thermal Engineer	Lunar Energy	Principal System Engineer
Joby Aviation	Materials & Process Lead, Electric Propulsion Unit	M4 Engineering	Sales &MKT Director
Joby Aviation	Battery Mechanical Engineering Lead	MacDermidAlpha	Client Executive
Joby Aviation	Mechanical Engineer	magniX	Sr. Strategic Account Manager
Joyson Safety Systems	Global Product Line Director	magniX aero	Business Development & Sales
Joyson Safety Systems	Vice President - Integrated Safety Solutions	MARELLI	Materials and Process Engineer
Joyson Safety Systems	Senior Product Manager	Martinrea International	Sr. Project Engineer
Joyson Safety Systems	Application Manager	Meixin Technology	Sr. Technical Specialist
Joyson Safety Systems	VP - Global Product Line Lead	MIBA Battery Systems	Application Development Engineer
Joyson Safety Systems LLC	Sr. Manager, Sales	MIBA Battery Systems	Head of Business Development
KARMA AUTOMOTIVE	Director, Thermal System	MIBA Battery Systems	Head of Business Development NA
Kassem Alhussein LLC	Engineer	Michigan State University	Managing Director
Kindred Motorworks	Director of EV Development	MICROSOFT	Director of Engineering Batteries & Electric Vehicle Powertrain
King Industries Inc.	Technical Marketing Manager, SMG	MICROSOFT	Software/Firmware Engineer
Kulicke and Soffa	Sr. Manager Development Engineering	MICROSOFT	Principal Thermal & Power Management
KULR TECHNOLOGY	CEO	MILWAUKEE TOOL	System Architect
KULR TECHNOLOGY	Director of Engineering	MILWAUKEE TOOL	Director of Engineering
Kyber Tech Co.	Vice President	MILWAUKEE TOOL	Senior Thermal Engineer - Batteries & Chargers
LG Chem.	Technical Support Engineer	Moleaer Inc.	Design Engineer
LION ELECTRIC CO	HVAC Engineer	Momentive	Principal Engineer Portable Power Systems
Lithos Energy	Senior Mechanical Engineer	Momentive	Senior Research Scientist
Lithos Energy	VP Battery Engineering	Momentive	KAM
Lohmann	Sr. Technical Sales Engineer	Momentive	Americas Marketing Manager
Lohmann Corporation	Technical Marketing Manager	Momentive	Account Manager
Lohmann Corporation	President	MOMENTIVE	Applications Development Engineer
LUBRIZOL	Senior Research Engineer	MOMENTIVE	Technical Sales Engineer
LUBRIZOL	Marketing Manager	Monarch Tractor	Inside Marketing Manager (Electronics)
LUBRIZOL	Director - Electric Vehicles	Monarch Tractor	Battery Mechanical Engineer
LUBRIZOL	Manager EV Thermal Fluid	Monarch Tractor	Battery Mechanical Engineer
Lubrizol Corporation	Director, e-Mobility	MOVING MAGNET TECH	Battery Tech Lead
Lubrizol Corporation	Technology Development Manager	Moxion Power	Technical Specialist - Business Development
Lucid Motors	Associate Battery Cell Saftey Testing Engineer	Moxion Power	Manager North America
Lucid Motors	Battery Algorithms Engineer	Mubea	Senior Thermal Engineer - Battery Pack
Lucid Motors	Battery Cell Safety Engineer	Mubea	Senior Mechanical Engineer - Battery Pack
Lucid Motors	Battery Cell Safety Testing Engineer	Mubea	Business Development Manager
Lucid Motors	Battery Mechanical Design	Mubea	Sales Coordinator
Lucid Motors	Battery Safety Test Engineer	Muir Tapes	Head of Rollbonding Products, Director, General Manager, NA
Lucid Motors	Director of Advanced Engineering Systems	Natron Energy	Engineering Manager
Lucid Motors	Energy Storage Systems (ESS) Safety Engineer	Natron Energy, Inc	Strategic Partner
Lucid Motors	Engineer, HV Battery Systems	NeoGraf Solutions	Founder & CEO
Lucid Motors	FE Manager	NeoGraf Solutions	Thermal/ Mechanical Design & Development
Lucid Motors	FE Sr. Engineer		Lead for Next-Gen Packs
Lucid Motors	FE Tech Specialist		VP, Product Engineering
Lucid Motors	Group Manager - Battery Raw Materials		Mechanical Engineer - II
Lucid Motors	HV Mech. Engineer		Applications Engineering Manager
Lucid Motors			New Business Development Manager

NeoGraf Solutions	Product Manager	QuantumScape	Principal Product Manager
NeoGraf Solutions	Applications Engineering Manager	QuantumScape	Mechanical Engineer
NeoGraf Solutions	New Business Development Manager	QuantumScape	Thermal Engineer
NeoGraf Solutions, LLC.	New Business Development Manager – E-Mobility	QuantumScape	Chief Marketing Officer
NexTech Batteries	Chairman & CEO	Quantumscape	Senior Process Engineer
NIPPON KAYAKU	Business Development Manager	QuantumScape	MTS Mechanical Engineer
Nissan Chemical America Corp	Senior Market Researcher	QuantumScape	Battery Safety & Mechanical Reliability Test Manager
Nissan Motor Corporation	Battery Researcher	QuantumScape	Member of Technical Staff
Nissan North America, Inc.	Senior Manager	Rivian	Senior Battery Cell Engineer, Modeling
Nitto Denko Technical Corp	Innovation Analyst	Rivian	Sr. Staff Cell Mechanical Engineer
NOBLE.AI	Strategic Account Director	Rivian	Sr. Staff Mechanical Design Engineer, Thermal
NOBLE.AI	Director	Rivian	Lead Mechanical Design Engineer
NOBLE.AI	Sr. Solutions Engineer	Rivian	Manager, Prototype and Validation
Norma Group	Sr. R&D Engineer	Rivian	Staff Cell Mechanical Engineer
Norma Group	Director Sales OE Americas	Rivian	Senior Battery Design Engineer
Norma Group	Key Account Manager	Rivian	Staff Mechanical Design Engineer – Battery
Norma Group	Director Sales OE Americas	Rivian	Lead Global Supply Chain Manager
NOVAGARD	Chief Engineer and R&D Counsel, Thermal Product Platform Development	Rivian	Sr. Staff Mechanical Engineer
Novelis	Principal Engineer	Rivian	Staff Mechanical Design Engineer – Battery
National Renewable Energy Laboratory	Chief Energy Storage Engineer	Rivian	Senior Manager, Mechanical Engineering
Octillion Power Systems	President Greentech Leader	Rivian	Sr. Electronic Design Manager
Octillion Power Systems	Director of Engineering	Rivian	Senior Mechanical Engineer
Oetiker	Head KAM Oil & HVAC	Rivian	Battery Safety Engineer
OETIKER GROUP	Application Manager – eMobility & Thermal Management	Rivian	Sr Manager, Battery Modeling and Integration
OETIKER GROUP	Senior Design Release Engineer	Rivian Volkswagen Group Technologies	Hardware Functional Safety – Electrical Architecture, Product Development
One Our Next Energy	VP Engineering	Saint-Gobain Performance Plastics	Tech BIZ DEV MGR
One Our Next Energy	Senior Mechanical Engineer	Saint-Gobain Research North	Senior Research Engineer
One Our Next Energy	Mechanical Engineer	Scharf Energy Consulting LLC	Founder and CEO
One Our Next Energy	Chief Engineer	Sekisui Products, LLC	Business Development Manager
PACCAR	Powertrain Test & Development Engineer	Sekisui Products, LLC	Global Marketing Manager, New Fluids
Parker Lord	Marketing Specialist	SGR – North America	R&D Manager
Parker Lord	Field Application Engineer II	Shell	Technology Manager Thermal & Dielectric Fluids
Parker Lord	Engineering Specialist I	Shell	Global Marketing Manager, New Fluids
Parker Lord	Global Engineering Manager	Shell	Associate Technology Manager, Coolants
Parker Lord	Key Account Manager	Shell	Strategic Alliance Business Development Manager, Americas
Parker Lord	Chemical Technology Fellow	Shell	E-Fluids Business Development Manager, NA
PARKER LORD	Application Engineer	Shell	Global Marketing Manager, New Fluids
PARKER LORD	Business Development Manager	Shibaaura Electronics of America	Director of Sales
PARKER LORD	Market Development Manager	Shin Etsu Silicones	North America Marketing Manager
Perstorp Group	Business Development Director, Engineered Fluids, Americas	Shin Etsu Silicones	Business Development Manager
Phillips 66	Scientist	Shin Etsu Silicones	Regional Manager
Phononic	Director Product Management	Shin-Etsu Silicones	National Business Manager-RTV/TIM
Plasmatreat	Key Account Technologist and Business Development Manager	Shin-Etsu Silicones	Market Development Engineer
Plasmatreat	Technologist/Business Development	SIEMENS	Portfolio Development Executive – Simcenter
Plasmatreat	Technologist	Sika	Vice President -Head Global Automotive Marketing
Plasmatreat USA, Inc	VP Strategic Market Development	Sika	Technical Sales Manager – E-Mobility
Polaris	Field Performance Manager – Electrical Systems	Sika	Market Field Manager – Global Automotive
Poly-nova	Vice President, Marketing & Sales	Sika	Key Account Manager
POLYMER SCIENCE	Account Manager	Sika	Director of Sales – Auto
Porex, Filtration Group	Sales Engineer	Sika	R&D Project Leader
Posifa Technologies	Sales Director	Sika	Project leader
Posifa Technologies	CEO & Co Founder	Sila Nanotechnologies	Staff Battery Engineer
Posifa Technologies	Technical director	Simlionics	Sr Manager, Battery Modeling and Integration
PowerCO US	Chief Executive Officer	SOGEFI GROUP	Director of Engineering
Proterra	Sr. Staff Engineering Program Manager – Battery Technology	Sogefi Group	Director Innovation/Electrification
Proterra	Project HV/LV Mechanical Design Engineer	Sogefi Group	Product Engineer
Proterra	Battery Engineer	Sogefi Group	Director – Manufacturing Engineering
Proterra	Structural Analysis Engineer	Sogefi Group	Director of R&D North America
Proterra	Director, Mechanical Design	Solvay	Global Product Stewardship Manager
Proterra	Mechanical Engineer	Southwest Research Institute	Research Engineer – Battery Systems Research & Innovation
Proterra	Staff Systems Engineer	Southwest Research Institute	Research Engineer
Proterra	Cell Engineering Manager	SPAL USA	Automotive Applications Engineer
Proterra	Design Engineer	SPAL USA.	Sales and Market Manager
Proterra	Mechanical Design Engineer	SSI Technologies, LLC	Business Development Manager
Proterra	Program Management	SSI Technologies, LLC	Business Development Leader
Proterra	Sr. Mechanical Design Engineer	Staff Systems	Mechanical Engineer
Proterra	Project engineer battery	Staff Systems	Mechanical Design Engineer
Proterra	Senior Mechanical Engineer Battery Module	Staff Systems	Staff Mechanical Engineer
Proterra	Director Product Manager	Staff Systems	Sr. Mechanical Engineer
Pyromeral Technology	VP Business Development	Staff Systems	Solution Driven Engineer
Quantum Copper Inc	Co-Founder	Stanford University	Postdoctoral researcher, Mechanical Engineering
Quantum Copper Inc	Director, Co-Founder	Stanley Engineered Fastening	Vice President of Marketing Joining Systems & Solutions

Stanley Engineered Fastening	Global Business Development Engineer	Total Energies	Product Engineer – Li-ions Battery specialist
Stanley Engineered Fastening	VP, NA Electrification & Mobility	Total Energies	Global Key Account Manager
Stanley Engineered Fastening	Account Manager		Product Engineer Battery Fluids Battery Specialist
Stanley Engineered Fastening	EV Battery Innovation Lead	Total Energies	Director of Sales NA
Stellantis	Battery Thermal Performance Lead	TRB Lightweight Structures	Senior NPD Manager
Stellantis	Materials Supervisor	TWS TECHNOLOGY	Sales Manager – New Energy Vehicles NA
Stellantis	Design Release Engineer	UFI Filters USA	Human Resource and Compliance Manager
Stellantis	Product Validation, Durability, & Materials	UFI Filters USA	Automotive Senior Product Specialist
Stirweld	IWE Welding Engineer	UL Solutions	Physical Scientist
Stirweld	Business Developer	US Department of Transportation	Innovation & Business Development Manager
TDK	Director of Marketing	VALEO	CTO
TDK	Product Marketing Manager	Ventiva	Automotive Principal Field Applications Engineer
TDK	Sr. Account Executive		Applications Engineer
TDK	Account Executive	Viscotec	Area Sales Manager
TDK	Director Region Pacific Sales	Viscotec	Senior Staff Systems Engineer
TDK	Marketing Communications Manager	Viscotec	EV & Battery Business Development Manager
tenneco	Global Key Account Manager at Tenneco	ViscoTec America	Senior Cell Engineer
tenneco	Product Development Engineer	Volvo Cars	Head of Battery R&D Tech Center
	Senior Business Development Manager – Systems Protection Division	Volvo Cars	Sales Manager
tenneco	Business Development / Systems Engineer	Von Roll	Sales Manager
tesa	Digital Marcom Specialist	VONROLL	Global Technical Expert Resins
tesa	Applications Solutions Engineer	VONROLL	Vice President and CFO North America
tesa	Market Segment Manager	VONROLL	Head of Business Development
tesa	Business Development Manager	VONROLL	Regional Sales Manager
tesa	Regional Key Account Manager	VONROLL	Project Manager
tesa	Sales Manager	W.L. Gore and Associates	MARCOMM Manager
tesa	Lab Manager	WACKER	Technical Laboratory Chemist, BS Chemistry
tesa	Regional Corporate Communications Manager	Wacker	Business Development Manager
tesa	Account Manager	Wacker	Marketing Manager
tesa	Business Development Engineer – EV Battery	Wacker	Technical Laboratory Chemist, BS Chemistry
Tesla	Battery Safety	Wacker	Development Manager
Tesla	Controls Engineer	WACKER CHEMICALS	Technical Marketing Manager
Tesla	Data Analyst	WACKER CHEMICALS	Marketing Manager, Automotive
Tesla	Engineer	WACKER CHEMICALS	Sales Manager Western Territories
Tesla	EV Thermal Engineer	Washington Mills	Director of Technical Sales
Tesla	Global Supplier Industrialization Engineer	Weldtone Technology Co.	CTO & Founder
Tesla	Global Supply Manager	Weldtone USA	Global Technical Director, Automotive EV Buisness
Tesla	Group Manager, Global Supply Management		Director Market Development & Sales
Tesla	GSM Group Manager Chemicals & Coatings	Wevo Chemical Corporation	R&D Manager
Tesla	Industrialization Engineer (Cell Manufacturing)	Wilden s.r.l.	ESPS IPT Lead
Tesla	Lead Research Engineer – Battery Design	Wisk Aero	Powertrain SME
Tesla	Manager – Battery Structures	Wisk Aero	ESPS Test Supervisor
Tesla	Manager GSM Materials	Wisk Aero	Cell Team Manager
Tesla	Manager, Sourcing / Procurement Engineering	Wisk Aero	Manager, Power Management Distribution & Charging
Tesla	Materials Engineer	Wisk Aero	Manager, ESPS Thermal and Venting
Tesla	Mechanical Design Drive Systems	Wisk Aero	Staff Battery Cell Engineer
Tesla	Mechanical Design Engineer, Battery Structures	Wisk Aero	Senior Thermal Analyst
Tesla	Principal Materials Engineer	Wisk Aero	Staff Battery Mechanical Engineer
Tesla	Senior Battery Analysis Engineer	Wisk Aero	Sr Thermal Analyst
Tesla	Senior Mechanical Design Engineer	Wisk Aero	Manufacturing Engineer
Tesla	Senior Mechanical Design Engineer, Battery Structures	Wisk Aero	Sr Mechanical Engineer
Tesla	Senior Mechanical Engineer	Wisk Aero	Mechanical Engineer
Tesla	Senior Staff CAE Engineer	Wisk Aero	Global Business Development
Tesla	Senior Staff Mechanical Design Engineer	Woco Group	VP – Thermal management
Tesla	Sr Materials Engineer, Adhesives	Woco Group	Founder
Tesla	Sr Supplier Industrialization Engineer	Xera Energy	President
Tesla	Sr Systems Design Engineer	ZELTWANGER	Sales Manager Automotive & eMobility
Tesla	Sr. Engineer, Tribology	ZELTWANGER	CFD Engineer
Tesla	Sr. CAE Engineer	Zoox	Energy Simulation Engineer
Tesla	Sr. CAE Engineer, Battery Engineering	Zoox	HV-Battery Mechanical Engineer
Tesla	Sr. Staff Engineer	Zoox	Manager, Vehicle HW Validation & Test – Mechanical
Tesla	Sr. Staff Materials Engineer		Manager, Vehicle Powertrain Engineering, Powertrain Systems
Tesla	Sr. Staff Polymer Materials Engineer	Zoox	Mechanical Engineer
Tesla	Staff CAE Engineer	Zoox	Mechanical Engineer Charging
Tesla	Staff Cell Modeling Engineer	Zoox	Mechanical Engineer for HV Battery Systems
Tesla	Staff Engineer	Zoox	Powertrain Engineer, HV Battery
Tesla	Staff Materials Engineer	Zoox	Senior Cell Technology Engineer
Tesla	Staff Materials Engineer, Adhesives	Zoox	Sr Mechanical Design Engineer
Tesla	Staff Mechanical Design Engineer	Zoox	Sr Validation Engineer, Powertrain
Tesla	Staff Mechanical Design Engineer – Fasteners	Zoox	Staff Mechanical Engineer
Tesla	Staff Mechanical Engineer	Zoox	Staff Thermal Integration Engineer
Tesla	Staff Supplier Industrialization Engineer	Zoox	Thermal Controls Engineer
Tesla	Supply Chain Manager	Zoox	ME Engineer
Tesla	Supply Chain Program Manager	Zoox	Mechanical Design Engineer
The Battery Saloon	Founder & Managing Director		
TI Fluid Systems	Adv. Tech Manager New Energy Storage		
TI Fluid Systems	Technical Specialist Battery Systems		

LEADING OEM'S & BATTERY DEVELOPERS PRESENT IN 2026

Battery Technologists, Leading & Emerging OEMs, Cell manufacturers, Pack Integrators:

Lucid Motors, Rivian, ONE | Our Next Energy, Tesla, Ford, GM, Stellantis, Amazon, BDTRONIC, Apple, Lyft, AVL, BMW, Google, BrightVolt, JLR, BYD, CATL, Clarios, Cummins, NIO, SERES, MAHINDRA AUTOMOTIVE NORTH AMERICA, Custom Cells, Daimler, EaglePicher, Samsung, EnerSys, BYTON, ENOVIX, Uber, EnPower, EoCell, Polestar, Canoo, Factorial, FISKER, First National Battery, Fluence, Gogoro, Gotion, CARESOFT, Group14, GS Yuasa, Harley Davidson, Honda, Hyundai, John Deere, LG, MATHWORKS, Lion Electric, Mercedes Benz, Milwaukee Tool, Mitsubishi, Natron Energy, Nissan, Panasonic, Polaris, PolyPlus, Porsche America, QuantumScape, Robert Bosch, Rolls Royce, SAFT, Sion Power, SIONIC Energy, DUPONT, Solid Power, Solid State Battery, TRUMPF, South 8 Technologies, Lamborghini, StoreDot, DASSAULT SYSTEMES, Teledyne, Texas Instruments, Toshiba, Toyota, Triathlon Batterien, Volkswagen, Volvo, Yokohama, AMPCERA, ASPEN AEROGELS, Ferrarri, AVERY DENNISON, BASF, A123 Systems, ABB, Daimler Truck North America, Morgan Advanced Materials, SCANIA, Total Energies, Wevo

THOUGHT LEADERSHIP

Position your company as a thought leader by sharing your latest innovations, insights and best practices on the electric vehicle battery recycling stage. Demonstrate your expertise through presentations, panel discussions and technical workshops to establish your company as an innovative industry leader.

MAXIMUM VISIBILITY

Showcase your brand to a highly targeted audience of battery manufacturers, OEMs, Tier 1 suppliers and recycling professionals from across the e-mobility sector. Enhance your visibility with prominent logo placement, booth displays, and speaking opportunities within the electric vehicle battery recycling community.

NETWORKING OPPORTUNITIES

Build meaningful connections and collaborations with leading experts, decision-makers and potential customers invested in e-mobility, sustainability and circular economy. The conference provides ample networking opportunities, including dedicated networking breaks, receptions and meeting with key stakeholders.

#SHOWCASE YOUR TECHNOLOGIES AND SOLUTIONS AT BATTECH CALIFORNIA 2026

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ATTENDEE JOB TITLE CROSS SECTION 2026

Chief Engineer, Chief Scientists, Head of Research, Thermal Management – Battery Systems, Vice President Battery Cell Process & Manufacturing Engineering, Electrochemist, Advanced Battery Cell Engineering, Materials and Manufacturing, Battery Module Thermal Management, Simulation engineer/ HV Battery thermal management, Director High Voltage Battery Systems, Battery Management Systems Engineer, Director Battery Pack Design and Thermal Management, Chief Engineer, Battery Systems Management Engineer, Sr. Adv. Battery Modeling Engineer, Sr. Staff Battery Cell Engineer, Senior Project Manager, Battery Cell Manufacturing Fluids and Thermal Management, R&D Engineers, Thermal Management Lead Engineers, Electrified Powertrains, Battery Research and Systems Engineers, HV Battery Design and Testing, Chief Engineer, Thermal Management HV Components, Thermal Management Modules Battery Electrical Vehicles, Battery Management Systems (BMS) Designer, Battery Management Systems (BMS) Engineer, Chief Technology Officer, Senior Mechanical Engineer, Materials Engineer, Powertrain Project Management, Senior Thermal Multi-Physics Engineer, Energy Storage Systems (ESS) Safety Engineer, Technical Specialist, Hardware Engineering, Director Product Manager, Director of Advanced Thermal Systems and Technology, Battery Safety Engineer, Senior Battery Technology Engineer, Director – Manufacturing Engineering, Senior Cell Engineer, Lead Engineer Thermal Management System, Thermal Management Research Engineer, Projecthouse Thermal Management Modules, Head of EV Battery Systems, Thermal CFD Engineer, Predictive Thermal Management High-Voltage Battery, Senior Engineer – Virtual Design Development and Verification, Electrification Battery Thermal, Technical Lead – Thermal Management, Analyst – Battery Thermal Management, Team Leader – Battery Modeling and Diagnostic, R&D (Battery Thermal System), Thermal Management CAE Engineer, Senior Manager- Battery Thermal Simulations, Battery Packs – Electrical, Mechanical Thermal components Team Leader, HV Battery Cell Vent Management Supervisor, Senior Director, Battery Storage, Platform Battery Thermal Management Process engineering, Director Thermal Management HV-Battery, Director Battery System Product & Platform Management, EV-Battery Production and Production Planning, Thermal Systems Architecture Engineering, Thermal Simulation Lead, Director of Battery Cell and Module Technology