## 2025 Vehicle Technologies Office Annual Merit Review Batteries R&D (BAT) Oral Presentation Detailed Schedule

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	Tuesday, June 3, 2025		Wednesday, June 4, 2025		Thursday, June 5, 2025
9:00 AM 9:15 AM	BAT054: Modeling of Amorphous Solid-State Conductors, Gerd Ceder, LBNL		BAT470: Process R&D Using Supercritical Fluid Reactors, Youngho Shin, ANL	9:00 AM 9:15 AM	<b>BAT576:</b> Solid State Batteries with Long Cycle Life and High Energy Density, Haegyum Lawrence Berkeley National Laboratory
9:30 AM 9:45 AM	BAT091: Characterization and Modeling of Li-Metal Batteries, First Principles Modeling and Machine Learning, Kristin Ceder-	9:30 AM	<b>BAT607:</b> Processing and scale-up of high energy density cobalt-free cathodes, Ilias Belharouak, Oak Ridge National	9:25 AM 9:40 AM	BAT577: Low-Pressure All-Solid State Cells, Tony Burrell, National Renewable Energy Laboratory
10:00 AM	Persson, LBNL Bat309: Mathematical Modeling of Beyond Lithium-ion	9:45 AM	Laboratory	9:50 AM 10:05 AM	BAT578: Stable Solid-State Electrolyte and Interface for High-Energy Density Lithium-Sulfur Battery, Dongping Lu, Pacific Northwest National Laboratory
10:15 AM	Batteries, Venkat Srinivasan, ANL		BAT315: Process R&D for Droplet-Produced Powdered Materials, Joe Libera, ANL	10:15 AM 10:30 AM	BAT579: Multifunctional Gradient Coatings for Scalable High-Energy Density Sulfide-Based Solid-State Batteries, Justin Connell, Argonne National Laboratory
10:30 AM	and Modeling of Lithium-Metal Batteries, Robert Kostecki, LBNL		D:30 AM <b>BAT168</b> : Process Development and Scale-Up of Critical Battery Materials - Continuous Flow-Produced Materials, Trevor Dzwiniel, ANL		BAT580: Thick Selenium-Sulfur Cathode Supported Ultra-thin Sulfide Electrolytes for High- Energy All-Solid-State Batteries, Guillang Xu, Argonne National Laboratory
10:45 AM					BAT581: Precision Control of the Lithium Surface for Solid-State Batteries, Andrew Westover, Oak Ridge National Laboratory
11:00 AM	Coulombic Efficiency of Lithium Metal Batteries with FEC and DME-based Electrolytes, Yang Shaohorn, MIT	11:00 AM <b>BAT028:</b> Materials Benchmarking Activities for Cell Analysis, Modeling, and Prototyping (CAMP) Facility		11:20 AM 11:30 AM 11:40 AM	Time Buffer
		11:15 AM	11:15 AM Wenquan Lu, ANL		Lunch Break
11:15 AM		11:30 AM		1:10 PM 1:25 PM	BAT582: Inorganic-Polymer Composite Electrolytes with Architecture Design for Lithium Metal Solid-State Batteries, Enyuan Hu, Brookhaven National Laboratory
11:30 AM				1:40 PM	
11:40 AM	Lunch Break	11:40 AM 1:10 PM	Lunch Break BAT631: Overview of VTO Battery Recycling Activities,	1:55 PM	BAT583: Development of All-Solid-State Battery Using Anti-Perovskite Electrolyte, Zonghai Chen, Argonne National Laboratory
1:10 PM	BAT620: Lithium Metal Anode Stability Against Soft and Hard	1:25 PM	Tina Chen and Jake Herb, VTO	2:10 PM	BAT622: Thin Composite Solid Electrolyte for Li Metal Batteries, Chunsheng Wang, University of Maryland
1:25 PM 1:40 PM	Solid Electrolytes, Nitash Balsara, LBNL BAT285: Investigation of Sulfur Reaction Mechanisms, Enyuan	1:40 PM	BAT377: ReCell–Overview and Update, Jeffrey Spangenberger, Argonne National Laboratory	2:25 PM	BAT623: Optimizing Cathode Architecture for Solid-State Li metal-Sulfur Batteries, Eric Wachsman, University of Maryland
1:55 PM	Hu, BNL		BAT573: ReCell Center-Design for Sustainability, Kandler	2:40 PM	BAT624: Scalable Noble-metal-free Interlayer Design for Sheet-type Dendrite-free Solid- state Lithium Metal Batteries, Yan Yao, University of Houston
-	BAT280: Novel Chemistry Lithium -Selenium and Selenium- Sulfur Couple, Khalil Amine, ANL	2:25 PM	Smith, National Renewable Energy Laboratory	2:55 PM	BAT625: Development of High Energy Density All Solid-State Li Batteries Enabled through Optimized Electrochemical Interface and Enginee
2:40 PM 2:55 PM	<b>BAT555:</b> Advanced Polymer Materials for Batteries, Zhenan Bao, Stanford University		BAT572: ReCell Center-Advanced Resource Recovery, Yaocai Bai, Oak Ridge National Laboratory	3:10 PM	Wisconsin Milwaukee Break
3:10 PM	Time Buffer	3:10 PM	Time Buffer		BAT626: Development of Thin, Robust, Lithium-Impenetrable, High-Conductivity,
3:15 PM	Break	3:10 PM	Break	3:45 PM	Electrochemically Stable, Scalable, and Low-Cost Glassy Solid Electrolytes, Steve W. Martin, Iowa State
3:45 PM	<b>BAT621:</b> overview of cathode portfolio, Carine Steinway, U.S. Department of Energy	3:45 PM	BAT571: ReCell Center-Direct Recycling of Materials,	4:00 PM	BAT627: Developing Materials to Enable High-Energy- for Solid-State Li-S Batteries, Donghai Wang, SMU
3:50 PM	BAT569: Earth-abundant Cathode Active Materials for Li-Ion Batteries: Program Overview, Jason Croy, ANL		Albert Lipson , Argonne National Laboratory	4:15 PM	BAT628: Molecular Ionic Composite Solid Electrolytes for Long-Cycling and High Voltage Li-Metal Batteries, Louis Madsen, Virginia Polytechnic Institute
4:10 PM	BAT570: Cation-disordered Cathode Materials (DRX+) - Overview and Progress Update, Gerd Ceder, LBNL	4:30 PM	<b>BAT574:</b> ReCell Center-Modeling and Analysis, Sabine Gallger and Fulya Dogan Key, Argonne National Laboratory	4:30 PM	BAT629: Stable Sulfide-based Anode-Free and Anode-Limited All-Solid-State Lithium
4:30 PM	Q & A for BAT569 & BAT570	4:45 PM			Battery, Puru Jena, Virginia Commonwealth University
4:45 PM		5:00 PM		4:45 PM 5:00 PM	BAT630: Blocking Li Metal Dendrites In Solid Electrolytes With Ion-Exchange Induced Residual Stresses, Brian W. Sheldon, Brown University
5:00 PM 5:15 PM	Active Battery Materials, Ozge Kahvecioglu, ANL Day 1 Ends	5:15 PM	Day 2 Ends	5:15 PM	Day 3 Ends
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