2023 Vehicle Technologies Office Annual Merit Review
Batteries R&D (BAT) Detailed Schedule

Tuesday, June 13, 2023	
10:00 AM	**BAT343**: Silicon and Intermetallic Anode Portfolio Strategy Overview, Brian Cunningham, DOE
10:15 AM	
10:30 AM	**BAT108**: Overview of the Battery Materials Research Program, Tien Duong, DOE
10:45 AM	
11:00 AM	**BAT317**: Progress and Status of Battery500 Program, Jun Liu, PNNL
11:15 AM	
11:30 AM	**BAT569**: Earth-abundant Cathode Active Materials for Li-Ion Batteries: Program Overview, Jason Croy, ANL
11:45 AM	
12:00 PM	**BAT570**: Cation-disordered Cathode Materials (DRX+) - Overview and Progress Update, Gerd Ceder, LBNL
12:15 PM	
12:30 PM	**Time Buffer**
12:40 PM	**Lunch Break**
1:40 PM	**BAT377**: ReCell–Overview and Update, Jeffrey Spangenberger, ANL
1:55 PM	
2:10 PM	**BAT571**: ReCell Center-Direct Recycling of Materials, Jessica Durham Macholz, ANL
2:25 PM	
2:40 PM	**BAT572**: ReCell Center-Advanced Resource Recovery, Yaocai Bai, ORNL
2:55 PM	
3:10 PM	**Time Buffer**
3:15 PM	**Break**
3:45 PM	**BAT573**: ReCell Center-Design for Sustainability, Andrew Colclasure, NREL
4:00 PM	
4:15 PM	**BAT574**: ReCell Center-Modeling and Analysis, Allison Bennett Irion, ANL
4:30 PM	
4:45 PM	**BAT592**: Advanced Anode Manufacturing Through Ultra Thin Li Deposition, Subramanya Herle, Applied Materials, Inc.
5:00 PM	
5:15 PM	**Day 1 Ends**

Wednesday, June 14, 2023	
10:00 AM	**BAT386**: eXtreme Fast Charge Cell Evaluation of Lithium-Ion Batteries (XCEL)–Overview and Progress Update, Venkat Srinivasan, ANL
10:15 AM	
10:30 AM	**BAT575**: eXtreme Fast Charge Electrolyte Development Thrust, Bryan McCloskey, UC Berkely
10:45 AM	
11:00 AM	**BAT456**: eXtreme Fast Charge Electrode and Cell Design Thrust, Andrew Jansen, ANL
11:15 AM	
11:30 AM	**BAT463**: eXtreme Fast Charge Electrochemical and Thermal Performance Thrust, Eric Dufek, INL
11:45 AM	
12:00 PM	**BAT544**: Machine Learning for Accelerated Life Prediction and Cell Design, Eric Dufek, INL
12:15 PM	
12:30 PM	**Time Buffer**
12:40 PM	**Lunch Break**
1:40 PM	**BAT167**: Process Development and Scale-Up of Advanced Active Battery Materials, Ozge Kahvecioglu, ANL
1:55 PM	
2:10 PM	**BAT470**: Process R&D Using Supercritical Fluid Reactors, Youngho Shin, ANL
2:25 PM	
2:40 PM	**BAT168**: Process Development and Scale-Up of Critical Battery Materials - Continuous Flow-Produced Materials, Trevor L. Dzwiniel, ANL
2:55 PM	
3:10 PM	**Time Buffer**
3:15 PM	**Break**
3:45 PM	**BAT315**: Process R&D for Droplet-Produced Powdered Materials, Joe Libera, ANL
4:00 PM	
4:15 PM	**BAT232**: High Energy Density Electrodes via Modifications to the Inactive Components and Processing Conditions, Vincent Battaglia, LBNL
4:30 PM	
4:45 PM	**BAT164**: Advanced Processing Science for Novel Battery Electrode Architectures, Jianlin Li, ORNL
5:00 PM	
5:15 PM	**BAT475**: Towards Solventless Processing of Thick Electron-Beam (EB) Cured Lithium-Ion Battery Cathodes, Zhijia Du, ORNL
5:30 PM	
5:45 PM	**Day 2 Ends**

Thursday, June 15, 2023	
10:00 AM	**BAT546**: Scaling-Up and Roll-to-Roll Processing of Highly Conductive Sulfide Solid-State Electrolytes, Dongping Lu, PNNL
10:15 AM	
10:30 AM	**BAT547**: Continuous high yield production of defect-free, ultrathin sulfide glass electrolytes for next generation solid state lithium metal batteries, Tim Fister, ANL
10:45 AM	
11:00 AM	**BAT548**: Scale-Up of Novel Li-Conducting Halide Solid State Battery Electrolyte, Mike Tucker, LBNL
11:15 AM	
11:30 AM	**BAT576**: Solid State Batteries with Long Cycle Life and High Energy Density, Haegyum Kim, LBNL
11:45 AM	
12:00 PM	**BAT577**: Low-Pressure All-Solid State Cells, Annalise Maughan, NREL
12:15 PM	
12:30 PM	**Time Buffer**
12:40 PM	**Lunch Break**
1:40 PM	**BAT578**: Stable Solid-State Electrolyte and Interface for High-Energy Density Lithium-Sulfur Battery, Dongping Lu, PNNL
1:55 PM	
2:10 PM	**BAT579**: Multifunctional Gradient Coatings for Scalable High-Energy Density Sulfide-Based Solid-State Batteries, Justin Connell, ANL
2:25 PM	
2:40 PM	**BAT580**: Thick Selenium-Sulfur Cathode Supported Ultra-thin Sulfide Electrolytes for High-Energy All-Solid-State Batteries, Guiliang Xu, ANL
2:55 PM	
3:10 PM	**Time Buffer**
3:15 PM	**Break**
3:45 PM	**BAT581**: Precision Control of the Lithium Surface for Solid-State Batteries, Andrew Westover, ORNL
4:00 PM	
4:15 PM	**BAT582**: Inorganic-Polymer Composite Electrolytes with Architecture Design for Lithium Metal Solid-State Batteries, Enyuan Hu, BNL
4:30 PM	
4:45 PM	**BAT583**: Development of All-Solid-State Battery Using Anti-Perovskite Electrolyte, Zonghai Chen, ANL
5:00 PM	
5:15 PM	**AMR Ends**