

Battery R&D (BAT)					
Tuesday, June 2		Wednesday, June 3		Thursday, June 4	
8:00 AM Continental Breakfast					
9:00 AM	BAT317: Progress and Status of Battery500 Program Jun Liu, Pacific Northwest National Laboratory	9:00 AM	BAT402: Developing digital twins for battery materials manufacturing Venkat Srinivasan, Argonne National Laboratory	9:00 AM	BAT536: Polyester-Based Block Copolymer Electrolytes for Lithium Metal Batteries Nitash Balsara, Lawrence Berkeley National Laboratory
9:20 AM	BAT359: Status and Challenges of Electrode and Electrolyte Materials for High Energy Cells Stanley Whittingham, Binghamton University	9:20 AM	BAT670: iPE4Pilot: integrated Process Engineering for Pilot-ready Cathode Production Feng Wang & Joe Libera, Argonne National Laboratory	9:15 AM	BAT590: Lithium Halide-Based Superionic Solid Electrolyte and High-Voltage Cathode Interfaces Robert Sacci, Oak Ridge National Laboratory
9:40 AM	BAT360: Cathodes Beyond Lithium Nickel Manganese Cobalt Oxide (NMC) 811 Arumugam Manthiram, University of Texas at Austin	9:40 AM	BAT633: Five MT per year Supercritical Hydrothermal Continuous One-Step Manufacturing Process Youngho Shin, Argonne National Laboratory	9:30 AM	BAT591: High-Conductivity and Electrochemically Stable Thioborate Solid-State Electrolytes for Practical All-Solid-State Batteries Yi Cui, SLAC National Accelerator Laboratory
10:05 AM	BAT361: Understanding and Improving Lithium Anode Stability Yi Cui, Stanford University/SLAC National Accelerator Laboratory	10:10 AM	BAT183: In Situ Spectroscopies of Processing Next-Generation Cathode Materials Feng Wang, Argonne National Laboratory	9:45 AM	BAT671: Overview of Low-cost Earth Abundant Na-ion Storage (LENS) consortium V. Srinivasan, Argonne National Laboratory
10:35 AM	BAT523: Development of Long Life Lithium and sulfurized polyacrylonitrile (SPAN) Cells Ping Liu, University of California San Diego	10:40 AM	BAT030: Electrode Prototyping Activities in ANL's Cell Analysis, Modeling and Prototyping (CAMP) Facility Steve Trask, Argonne National Laboratory	10:00 AM	BAT672: Na-ion electrolyte R&D in LENS John Zhang, Argonne National Laboratory
11:05 AM	BAT364: Synergistic Effects of Electrode and Electrolyte Materials for High Energy Lithium Cells Jihui Yang, University of Washington	11:10 AM	BAT632: Engineering Electrode Interfaces without Solvents Jianlin Li & Andrew Jansen, Argonne National Laboratory	10:30 AM	BAT673: Na-ion cathode R&D in LENS and highlight presentation Chris Johnson & Gerd Ceder, Argonne National Laboratory & Lawrence Berkeley National Laboratory
11:30 AM Lunch					
1:10 PM	BAT365: Stabilizing Lithium Metal Anodes by Interfacial Layer and New Electrolytes Zhenan Bao, Stanford University/SLAC National Accelerator Laboratory	1:10 PM	BAT232: High Energy Density Electrodes via Modifications to the Inactive Components and Processing Conditions Vincent Battaglia, Lawrence Berkeley National Laboratory	1:10 PM	BAT674: Status of Na-ion cell builds and benchmarking Andy Jansen & Will Chueh, Argonne National Laboratory & SLAC National Accelerator Laboratory
1:40 PM	BAT367: Multiscale Characterization Studies of Lithium Metal Batteries Peter Khalifah, Brookhaven National Laboratory	1:40 PM	BAT475: Solvent-Free Processing of Electrolytes and Electrodes for Lithium-Ion Batteries Georgios Polyzos & Jaswinder Sharma, Oak Ridge National Laboratory	1:40 PM	BAT675: Silicon Consortium Project: Overview of SCP Progress Anthony Burrel, National Laboratory of the Rockies
2:10 PM	BAT369: High Energy Rechargeable Lithium-Metal Cells: Design, Fabrication and Testing Jie Xiao, Pacific Northwest National Laboratory	2:10 PM	BAT649: Enhanced Validation of Advanced Battery Supply Chains (EVALS) Overview Eric Dufek, Idaho National Laboratory	2:10 PM	BAT676: Silicon Consortium Project: Calendar Life Prediction using AI/ML Peter Weddle, National Laboratory of the Rockies
2:40 PM	BAT368: Full Cell Diagnostics and Validation to Achieving High Cycle Life Eric Dufek, Idaho National Laboratory	2:40 PM	BAT561: HD VOLTS (Heavy-Duty Vehicle-Optimized Lithium-ion battery Technologies) Tanvir Tanim & Peter Weddle, Idaho National Laboratory; National Laboratory of the Rockies	2:40 PM	BAT677: Silicon Consortium Project: SEI Formation and its relationship to Calendar Life Katherine Harrison, National Laboratory of the Rockies
3:30 PM Break					
3:45 PM	BAT524: Advanced Electrolytes for Lithium Metal Batteries Chunsheng Wang, University of Maryland	3:45 PM	BAT538: Ion conductive high Li+ transference number polymer composites for solid-state batteries Bryan McCloskey, Lawrence Berkeley National Laboratory	3:45 PM	BAT679: Silicon Consortium Project: Electrolyte Development for Improving Calendar Life Gabriel Veith, Oak Ridge National Laboratory
		4:00 PM	BAT539: 3D Printing of All-Solid-State Lithium Batteries Jianchao Ye, Lawrence Livermore National Laboratory		
4:15 PM	BAT553: Understanding solid electrolyte interphase (SEI) reactions in Lithium metal and Lithium-Sulfur batteries Perla Balbuena, Texas A&M University	4:15 PM	BAT540: Synthesis of Composite Electrolytes with Integrated Interface Design Sanja Tepavcevic, Argonne National Laboratory	4:15 PM	BAT569: Earth-abundant Cathode Active Materials for Li-Ion Batteries Jason Croy, Argonne National Laboratory
		4:30 PM	BAT541: Optimizing Sulfide based Solid-State Batteries and Cathode Interfaces Jagjit Nanda, SLAC National Accelerator Laboratory		
4:45 PM	BAT362: High Capacity S Cathode Materials Prashant Kumta, University of Pittsburgh	4:45 PM	BAT542: Polymer Electrolytes for Stable Low Impedance Solid State Battery Interfaces Chelsea Chen, Oak Ridge National Laboratory	4:45 PM	BAT570: Cation-disordered Cathode Materials (DRX+) - Overview and Progress Update Gerd Ceder, Lawrence Berkeley National Laboratory
		5:00 PM	BAT543: Integrated Multiscale Model for Design of Robust 3-D Solid-state Lithium Batteries Brandon Wood, Lawrence Livermore National Laboratory		