## 2024 Vehicle Technologies Office Annual Merit Review Batteries R&D (BAT) Oral Presentation Detailed Schedule

Tuesday, June 4, 2024	Wednesday, June 5, 2024	Thursday, June 6, 2024
Tuesday, June 4, 2024     9:00 AM   BAT317: Progress and Status of Battery500 Program, Jun     9:15 AM   Liu, PNNL     9:30 AM   BAT359: Status and Challenges of Electrode and     Electrolyte Materials for High Energy Cells, Stanley     9:45 AM   Whittingham, Binghamton University     10:00 AM   BAT360: Cathodes Beyond Lithium Nickel Manganese     10:15 AM   Cobalt Oxide (NMC) 811, Arumugam Manthiram, UT Austin     10:30 AM   BAT361: Understanding and Improving Lithium Anode     10:45 AM   Stability, Yi Cui, Stanford University/SLAC     11:10 PM   BAT362: Development of Long Life Lithium and sulfurized     11:10 PM   BAT364: Synergistic Effects of Electrode and Electrolyte     11:40 PM   Lunch Break     11:10 PM   BAT365: Stabilizing Lithium Metal Anodes by Interfacial     1:40 PM   Layer and New Electrolytes, Zhenan Bao, Stanford     1:55 PM   Materials for High Energy Rechargeable Lithium-Metal Cells:     2:26 PM   Metal Batteries, Peter Khalifah, BNL     2:40 PM   BAT369: High Energy Rechargeable Lithium-Metal Cells:     2:55 PM   Design, Fabrication and Testing, Jie Xiao, PNNL     3:10 PM   Time Buffer     3:15 PM   Break <td>Wednesday, June 5, 2024       8:55 AM     Introduction to Li-S, electrolyte and processing projects, Haiyan Croft, DOE       9:00 AM     BAT366: Manufacturing and Validation of Lithium Pouch       9:15 AM     Cells, Mei Cai, GM       9:30 AM     BAT599: Fluorinated Glyme Solvents to Extend Lithium-Sulfur       9:45 AM     Battery Life, Taylor Xu, Navitas Systems       10:00 AM     BAT600: Liquid Electrolytes for Lithium-Sulfur Batteries with Enhanced Cycle Life and Energy Density Performance, Gaind P. Pandey, Giner Inc       10:30 AM     BAT601: Development of Functional Electrolytes for Li-S       10:45 AM     Battery Cells, Donghai Wang, Penn State University       11:00 PM     BAT602: Extending the Operating Range and Safety of Li-Ion       11:15 PM     Batteries with New Fluorinated Electrolytes, Sarah Guillot, Koura       11:30 PM     Time Buffer       11:40 PM     Lunch Break       1:10 PM     BAT602: Extending the Operation of Li-Ion Batteries under Extreme Conditions, Esther Takeuchi, Stony Brook University       1:40 PM     BAT604: Novel Organosulfur-Based Electrolytes for Safe       Operating Temperature, Meinan He, GM     2:10 PM       2:10 PM     BAT602: Improving Battery Performance through Structure- 2:25 PM       2:10 PM     BAT603: Solid State</td> <td>Thursday, June 6, 2024     9:00 AM   BAT540: Synthesis of Composite Electrolytes with Integrated 9:15 AM     9:30 AM   BAT541: Substituted Argyrodite Solid Electrolytes and High Capacity Conversion Cathodes for All-Solid-State Batteries, Jagit Nanda, SLAC     10:00 AM   BAT542: Polymer Electrolytes for Stable Low Impedance     10:15 AM   Solid State Battery Interfaces, Chelsea Chen, ORNL     10:30 AM   BAT543: Integrated Multiscale Model for Design of Robust 3: 10:45 AM     10:30 AM   BAT543: Integrated Multiscale Model for Design of Robust 3: 10:45 AM     10:30 AM   BAT543: Integrated Multiscale Model for Design of Robust 3: 10:45 AM     11:00 PM   BAT590: Lithium Halide-Based Superionic Solid Electrolyte 11:15 PM and High-Voltage Cathode Interfaces, Robert Sacci, ORNL     11:30 PM   Time Buffer     11:40 PM   Lunch Break     1:10 PM   BAT591: High-Conductivity and Electrochemically Stable     1:140 PM   Lunch Break     1:10 PM   BAT496: Silicon Consortium Project: Advanced     2:00 PM   Characterization of Silicon Electrodes, Robert Kostecki, LBNI     2:14 PM   BAT496: Silicon Consortium Project: Next-Gen Materials for 3:00 PM     3:01 PM   Bat498: Silicon Consortium Project: Next-Gen Materials for 3:00 PM     3:02 PM   Silicon Anodes, Katherine Harr</td>	Wednesday, June 5, 2024       8:55 AM     Introduction to Li-S, electrolyte and processing projects, Haiyan Croft, DOE       9:00 AM     BAT366: Manufacturing and Validation of Lithium Pouch       9:15 AM     Cells, Mei Cai, GM       9:30 AM     BAT599: Fluorinated Glyme Solvents to Extend Lithium-Sulfur       9:45 AM     Battery Life, Taylor Xu, Navitas Systems       10:00 AM     BAT600: Liquid Electrolytes for Lithium-Sulfur Batteries with Enhanced Cycle Life and Energy Density Performance, Gaind P. 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5.45 PIM Day 1 Ends	5:05 PM Jianchao Ye, LLNL 5:20 PM Day 2 Ends	