## 2025 Vehicle Technologies Office Annual Merit Review Energy Efficient Mobility Systems (EEMS) Oral Presentation Detailed Schedule

	Tuesday, June 3, 2025		Wednesday, June 4, 2025		Thursday, June 5, 2025
9:00 AM 9:15 AM	EEMS922: Energy Efficient Mobility Systems Program Overview, Alexis Zubrow, Department of Energy	9:00 AM	<b>EEMS146:</b> Distributed Artificial-intelligence (AI)-based Signal Control (DASiC), Ross Wang, Oak Ridge National Laboratory	9:00 AM	<b>EEMS115:</b> Developing a Multiscale Simulation Framework to Evaluate Autonomous Vehicle On-
9:30 AM	EEMS145: BEAM CORE Core Tools, Anna Spurlock,	9:15 AM	EEMS101: Core Tools: Real Sim, Max Chen, Oak Ridge National laboratory	9:15 AM	Compute Energy-Efficiency, Performance, and
9:45 AM	EEMS092: Multiregion Stakeholder Driven BEAM CORE	9:30 AM 9:45 AM	EEMS041: AVATAR Dominik Karbowski, Argonne National Laboratory	9:30 AM	<b>EEMS143:</b> Energy Efficient Sensing and Computing for AVs. Robert Patton. ORNI
10:00 AM	Laboratory	10:00 AM 10:15 AM	EEMS114: Real Twin, Ross Wang, Oak Ridge National Laboratory	9.45 AW	<b>EEMS125:</b> Energy Metrics in Traffic Signal
10:15 AM	<b>EEMS132:</b> POLARIS - Transportation Systems and Mobility Tools Core Maintenance, Joshua Auld, Argonne National	10:30 AM 10:45 AM	EEMS124: Deployment of Real-Sim/Real-Twin Scenario Library Generation and Benchmark of Energy Centric CAV Controls, Ross Wang Oak Ridge National Laboratory	10:00 AM	Performance Measures, Joseph Fish, National Renewable Energy Laboratory
10:30 AM	EEMS133: ITES4: Integrated Transportation and Energy	11:00 AM	<b>EEMS120:</b> A Cooperative Driving Automation (CDA) Framework for Communications, Adian Cook and Priyash Misra, Oak Ridge National Laboratory and Argonne National	10:15 AM 10:30 AM	<b>EEMS116:</b> High-Quality Perception Data, Zach Asher, Western Michigan
11:00 AM	<b>EEMS128:</b> National Impacts of Community-Level Strategies	11:30 AM	Laboratory Time Buffer	10:45 AM 11:00 AM	EEMS117: Visual-Enhanced Cooperative Traffic Operations (VECTOR) System Achilleas Kourtellis
11:15 AM	to Improve Convenience of Mobility, Chris Hoehne, National Renewable Energy Laboratory	11:40 AM	Lunch Break	11:15 AM	University of South Florida
11:30 AM	Time Buffer	1:10 PM	<b>EEMS119:</b> Improved Mobility and Energy Savings Through Optimization of Cooperative	11:30 AM	Time Buffer
11:40 AM	Lunch Break	1:25 PM	Scenarios, Xiao-Yun Lu and Hao Liu, Lawrence Berkelev National Laboratory	11:40 AM	Lunch Break
1:10 PM 1:25 PM	<b>EEMS122:</b> Pathways to Affordable, Convenient, Efficient Regional Mobility, Joshua Auld, Argonne National	1:40 PM 1:55 PM		1·10 PM	<b>EEMS106:</b> Developing an Energy-Conscious Traffic Signal Control System for Optimized Fuel
1:40 PM	EEMS112: NREL Core Modeling & Decision	2:10 PM 2:25 PM	EEMS127: Deploying Autonomous, On-Demand Energy Efficient Mobility Solutions in Tulsa's Underserved Communities. Samitha Samaranavake. Cornell University		Consumption in Connected Vehicle Environments, Mina Saritipi, University of Tennessee, Chattanooga
1:55 PM	Support Capabilities (RouteE, FASTSim, OpenPATH, T3CO), Jeff Gonder, National Renewable Energy Laboratory	2:40 PM	EEMS129: Using Artificial Intelligence to Predict Ridership and Optimize Shared Mobility, Josh Rands, Terracity	1.25 PM	EEMS113: Testing and Evaluation of Curb
2:10 PM	EEMS099: MEP Core Tools, Venu Garikapati, NREL	2:55 PM	EEMS136: A Facility Scale Automated Mobility System, Jered Dean LUCI		Market Adoption of Electric Vehicles, Lauren Harper,
2:25 PM	EEMSU65: Livewire Data Platform-A Solution for Energy Efficient Mobility Systems (EEMS) Data Sharing, Lauren Snath-Luhring, National Renewable Energy Laboratory	3:10 PM 3:15 PM	Time Buffer Break	1:40 PM	LACI
2:40 PM 2:55 PM	<b>EEMS013:</b> ANL Core Modeling A3 - AMBER, Autonomie, Aeronomie, Phil Sharer, Argonne National Laboratory	3:45 PM	EEMS137: Increasing Mobility Energy Productivity, Operational Efficiency, with Low- Speed Automation for On- Demand Transit or Goods Movement in First-Mile/Last-Mile, Sonalker Anuia, STEER Tech	2:10 PM	<b>EEMS110:</b> Human Factors and Technologies Design to Improve User Acceptance of Pooled Rideshare (PR for Increasing Transportation System Energy
3:10 PM	Time Buffer	4.00 DM	<b>EEMS138:</b> Mauka Energy FEVER: Tool Developing Heavy Duty Electric Vehicle Energy	2.25 PM	Efficiency, Yunyi Jia & Johnell Brooks, Clemson
3:15 PM	Break	4:00 PIVI	Transportation Cost Mapping, David Hamilton, Oregon State University	2.201 W	University
3:45 PM	EEMS144: RoadRunner Core Tools, Dominik Karbowski, Argonne National Laboratory	4:15 PM	<b>EEMS139:</b> Al-Powered Autonomy-Aware Neighborhood Mobility Zones, Philip Pugliese, Chattanooga Transit	2:40 PM	
4:00 PM 4:15 PM	EEMS094: ENACTED, Dominik Karbowski, Argonne National Laboratory	4:30 PM	EEMS140: Multi-level Connected and Automated Transit System (M-CATS), Jinhua Zhao, MIT	3:10 PM	Time Buffer
4:30 PM	EEMS134: Development of Standardized Test Procedures	4:45 PM	EEMS141: Co-E3T: Energy-Efficient and Equitable Transit through user-centric	3:15 PM	Break
4:45 PM	or CV and AV Energy Consumption and Emissions, Michael Duoba, ANL		hardware and software Co-development and community Co-design, University of Alabama Transit, Xinwu Qian, Rice University	4:00 PM	
5:00 PM	EEMS 135: Energy-Transit Nexus Tools for Bus Fleet	5:00 PM	<b>EEMS142:</b> Improving Accessibility and Efficiency of Public Transportation via Optimal Integration with Shared Autonomous Electric Vehicles in Tribal Communities, Dong	4:15 PM 4:30 PM	
5:15 PM	Day 1 Ends	5.15 DM	Zhang, University of Oklahoma	4:45 PM	Day 3 Ends
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