

List of Posters – Eco-Mobility 2025

Poster N°	Session	Presenting Author	Institution	Poster Title
1	1	Gerfried Jungmeier	JOANNEUM RESEARCH	Electric Vehicles and Circularity
2	1	Gernot Schlögl	TU Graz IFT	Sustainable Battery Lifecycle: Non-Destructive Separation of Batteries and Potential Second Life Applications
3	1	Sajish Abraham	Miba Battery Systems	Comparative Study of Sidewall- vs. Top-Cooling of 4695 Cylindrical Lithium-Ion Secondary Battery Cells Based Module
4	1	Hartmut Popp	Miba Battery Systems	Safe by Design Approach for High Power / High Energy Battery Systems Using 46xx Cylindrical Lithium-Ion Secondary Battery Cells
5	1	Akzhan Bekzhanov	AIT	The RESTINA project: Developing new concepts for anode materials for Li-ion batteries based on Si, SnS ₂ and pre-lithiated SnS ₂
6	1	Mahmoud Reda	Uni Wien Functional Materials	Insights into the thermal stability of LiNi _{0.5} -xMn _{1.5} +xO ₄ (LNMO), a future LIB cathode material
7	2	Sayan Chattopadhyay	Montanuni Leoben	Advancing production of climate-neutral hydrogen through additive manufacturing technologies for solid oxide cells
8	2	Mehmet Aksoy	Montanuni Leoben	New materials approach to solid oxide electrolysis cells for the production of sustainable energy carriers
9	2	Edmund Penz	ICT-Impact	Fostering Competitiveness of the Vehicle Industry through Integrated Energy Concepts
10	3	Athena Konstantinovics	Virtual Vehicle	Water transport in the cathode path of fuel cells
11	3	Daniel Wuketich	TU Wien IFA	PEMLife – Optimization of the service life of PEM fuel cells in freight and rail transport
12	3	Rafael Pinsker	HyCentA	Ejector Development Toolchain
13	3	Thomas Stadlbauer	HyCentA	Development of a Three-Dimensional Multiphysics AEM Fuel Cell Model
14	3	Heiko Hirschmann	TU Graz CEET	Electrolyte durability in HT-PEMFCs under HDV operating conditions
15	4	Angelika Cerny	LKR	Re-manufacturing of Pre-deformed Automotive Sheet Metal Stamping Scrap Without Melting
16	5	Christoph Feichtinger	Windpuls GmbH	Apparent Wind & Weather Sensing: Enabling Safer, More Efficient Connected Vehicles and Certified Test Beds
17	5	Michael Stürmer	TU Graz FTG	Data-Driven Control Strategy for Automotive Cabin Air Quality Management
18	5	Edmund Penz	ICT-Impact	Fostering Competitiveness of the Vehicle Industry through Modular High-Voltage Drivetrain Integration in Off-Road Machinery
19	5	Roland Lorbeck	TU Graz ITnA	AI-supported simulation methodology for vehicle-wide thermal and energy management
20	-	Peter Straubinger	TU Wien IFA	Analysis of European vehicle technology development based on the A3PS roadmaps and presentations at the EcoMobility conferences