A3PS

Eco-Mobility 2023

How to achieve 100 % sustainable mobility?

Circular Economy – from Cradle to Grave and back to Cradle

Poster Title	Poster Presenter	Institute	
Aerofit Batteries – Integrated cell to system development for climate neutral aviation	**Alexander Ryzhov**	AIT – Austrian Institute of Technology	
Development of Tin(IV)sulfide anodes for Lithium-ion batteries	**Jana Katharina Kupka**	AIT – Austrian Institute of Technology	
Dual Fuel H2 Engine: Hydrogen-Kerosene Dual-Fuel engine to reduce pollutant- and CO2-emissions in general aviation	**Florian Kleissner & Christian Reitmayr**	TU Wien ,Institut für Fahrzeugantriebe und Automobiltechnik	Roll-Up
High-Temperature Electrolysis – From fundamentals to applications	**Werner Sitte**	Montanuniversität Leoben, Lehrstuhl für Physikalische Chemie	
HyFleet - Decarbonisation of Mobility by Hydrogen Powered Special Vehicle Fleets	**Martin Rabensteiner**	HyCentA	
Intelligent Intersection	**Alexander L. Gratzer**	TU Wien, Institute of Mechanics & Mechatronics	
Modal Split and the Implications for Transport Growth and Travel Time Savings	**Martin Kozek**	TU Wien, Institute of Mechanics & Mechatronics	
NextGenFCM - Next Generation Fuel Cell	**Rafael Pinsker**	HyCentA	
Operando GC/MS for the Investigation of SEI-Forming Additives in Lithium-Ion-Batteries	**Christiane Groher**	AIT – Austrian Institute of Technology	
SAF BurnControl: Fuel-sensitive self-optimizing combustion control for future sustainable aviation fuels	**Florian Kleissner & Christian Reitmayr**	TU Wien, Institut für Fahrzeugantriebe und Automobiltechnik	Roll-Up
Structural Modifications of Cold-Formed AA2024 Sheet Metals	**Mathias Silmbroth**	LKR Light Metals Technologies Ranshofen	
Tools for Nonlinear Frequency Response and Time Series Analysis of Electrochemical Cells	**Jonas Mutscher**	HyCentA	
WAM Process Optimization Using Numerical Simulations	**Fabio Haunreiter & Hugo Drexler**	LKR Light Metals Technologies Ranshofen	