



ECO-MOBILITY 2020 Virtual Live Event

19. November 2020

A3PS ●●●●
Rethinking Propulsion.
Tech Gate Vienna
Donau-City-Straße1, 1220

Sustainable Propulsion – from Research to Road
Efficient Propulsion Concepts and Sustainable Energy Carriers

09:30	Opening	Michael Nöst, Conference Chair Hanno Miorini, Chairman of Board	Opening & Introduction Christian Clerici, Conference's Moderator	A3PS - Austrian Association for Advanced Propulsion Systems	
09:40		Federal Minister / State Secretary, tbc.	Welcome Address	Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology	
09:50	Session 1: Fuel Cell Electric Vehicle	Chair: Alexander Trattner, HyCentA			
		Ewald Wahlmüller	Fuel Cell Technology for Heavy Duty Applications Made in Austria	EiringKlinger	
		Stefan Jakubek	Control Strategy for Predictive Energy Management of a Fuel Cell Truck	TU Wien	
		Nigel Foxhall	HySnow - A turnkey solution towards zero emission winter tourism	BRP Rotax	
11:10	Session 2: Battery Electric Vehicle	Chair: Andreas Eilenberger, MIBA			
		Ralf Mittermayr	Li-Ion Traction Batteries Recycling	Saubermacher Dienstleistungs AG	
		Martin Wilkening	Solid state batteries for BEV: What will be possible? When do they come? How much will they cost?, tbc	TU Graz	
		Alois Steiner	Vehicle Architectures and Innovations from the H2020 Projects SYS2WHEEL and ADVICE	Virtual Vehicle	
12:20	Lunch				
13:00	Keynote	Chair: Hanno Miorini, A3PS			
		George Crabtree	New Materials for Next Generation Designer Batteries	JCESR / Argonne National Laboratory	
13:40	Session 3: Hybrids and Fuels	Chair: Peter Prenninger, AVL			
		Christian Bauer	Carbon Capture and Storage and it's role in sustainable transport – the life cycle perspective	Paul Scherrer Institut	
		Gerfried Jungmeier	The most Climate-Friendly Propulsion with Renewable Fuel - Biofuel, Electricity, Hydrogen or e-Fuels in Passenger Vehicles and Buses	Joanneum Research	
		Dina Bacovsky	The role of advanced renewable transport fuels for Transport Decarbonisation	BEST - Bioenergy and Sustainable Technologies	
		Richard Schauperl	Power to X with High Temperature Electrolysis	AVL	
15:00	Session 4: Advanced Vehicle Concepts	Chair: Bernhard Brandstätter, Virtual Vehicle			
		Michael-Dieter Ulbrich	Upscaling of green hydrogen for mobility and industry – UpHy	OMV	
		Claudiu Vasui	Thermal management system in BEVs	Magna	
		Michael Stolz	How close are we to self-driving? - state of the art 2020	Virtual Vehicle	
		Dragan Simic	QUIET - QUalifying and Implementing a user-centric designed and Efficient electric vehicle	AIT	
16:10	Coffee Break				
16:20	Plenary Discussion	Topic: Sustainable Propulsion - from Research to Road Moderation: Christian Clerici			
		Guests		Virtual Guests	
		Theresia Vogel	Klima und Energiefonds	Jette Krause	JRC (EC)
		Andreas Kuhn	ANDATA	Marta Yugo	CONCAWE
		Daniel Watzenig	Virtual Vehicle	Christian Bauer	Paul Scherrer Institut
		Christian Chimani	AIT, Deputy Chairman of the A3PS Executive Board	George Crabtree	JCESR / Argonne National Laboratory
		Roland Hintringer	MIBA, Member of the A3PS Executive Board		
	Thomas Uitz	OMV, Member of the A3PS Executive Board			
17:20		Michael Nöst, Hanno Miorini	Closing Remarks	A3PS - Austrian Association for Advanced Propulsion Systems	
17:30	End of Conference				