





1st Conference Day: Thursday, 18 Nov 2021

09:00	Registration			
09:30	Opening	Dr. Michael Nöst & DI Hanno Miorini	Opening & Introduction	A3PS - Austrian Association for Advanced Propulsion Systems
09:45		Dr. Magnus Brunner LL.M., State Secretary, tbc	Welcome Address	Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology
10:00	Keynotes	Chair: Dr. Michael Nöst		
10:05		DI Anton Plimon	15 Years A3PS	AIT
10:25		Dr. Gerd Hillenbrand	ZF eMotors - From Market Needs to Product Portfolio	ZF
11:05	Lunch			
12:35	Session 1: Primary Energy & Energy Carriers	Chair: Prof. Dr. Peter Prenninger		
12:40		Prof. Dr. Jonghee Han 	Status and Development Plan for Hydrogen Energy in Korea	Korea Institute of Science and Technology
13:05		Mats Hultman , MSc	Renewable fuels take us closer to climate goals already today	Neste Finland
13:30		MMag. Alexander Decker	Hydroelectric Power versus Battery Electric Mobility	Verbund
13:55	Dr. Armin Buchroithner	FlyGrid – Sustainable energy storage for EV fast charging stations and grid stabilization	TU Graz, EMS	
14:20	Coffee Break			
	Exhibition & Posters			
15:20	Session 2: Passenger Mobility	Chair: Dr. Andreas Eilenberger		
15:25		Dr. Franz Androsch 	High Strength Steels for Lightweight Construction	VOEST
15:50		Dr. Mateusz Figaszewski	Hydrogen as a fuel of zero emission mobility of the future	Solaris
16:15		Dr. Merit Bodner	On the road to sustainable propulsion: material and operation strategy development for PEFCs	TU Graz, CEET
16:40	Mag. Florian Wiedrich	The benefits of flexible liquid cooling for EV batteries: Performance.Safety.Sustainability	MIBA	
17:00	15 Years A3PS - Social Evening			
22:00	End of 1st Conference Day			

Paths to Climate-Neutral Mobility
Sustainable Propulsion Concepts and Energy
Carriers for Carbon-Neutral Future -
EUROPE AS FRONTRUNNER

NOV 18 - 19 2021

Gironcoli-Kristall, STRABAG Art Forum
Donau-City-Straße 9, 1220 Vienna, Austria



2nd Conference Day: Friday, 19 Nov 2021

09:00	Keynotes	Chair: DI Hanno Miorini		
09:05		DI Sarah Bittner-Krautsack	Opening	BMK
09:15		Henrik Engdahl , MSc	Charging Heavy Duty Battery Electric Vehicles From a Logistic and Grid Perspective	Volvo
09:55		Dr. Thomas Grube	Vehicle Cost Perspectives of Road Vehicles through 2050	FZ Jülich
10:30	Session 3: Commercial Vehicles	Chair: Dr. Alexander Trattner		
10:35		Josef Macherhammer , MSc	Achieving Sustainable Transport with Fuel Cells – Challenges and Solutions	AVL
11:00		Dr. Hussein Basma	Techno-economic analysis of long-haul battery electric trucks in the EU	International Council on Clean Transportation (ICCT)
11:25		Kristin Kahl , MA	Mission possible: Daily operation with heavy e-trucks	Contargo
11:50		Dr. Rainer Lehnen & Dr. Marco Warth	H2 Powertrains for the road traffic of the future	PUREM by Eberspächer & Mahle
12:15	Lunch Break			
13:15	Session 4: Resources, Recycling & LCA	Chair: Univ.-Doz. Dr. Bernhard Brandstätter		
13:20		DI Martin Beermann	Critical raw material demand on the path to a climate neutral vehicle fleet	Joanneum Research
13:45		Dr. Christian Chimani	Innovative lightweight construction - an important contribution to zero-emission mobility of the future	AIT
14:10		DI Sebastian Goldner	Hydrogen Fuel Cells – Sustainable solution for the future	Proton Motor Fuel Cell GmbH
14:35	Dr. Kyriakos Maniatis	Any Role for Advanced Biofuels Fuels in Decarbonising Transport? Do we have the Right Policies?	Independent Consultant, Former Principal Administrator, EU Commission, DG ENER	
15:00	Coffee Break			
15:20	Plenary Discussion	Moderation: Christian Clerici	DI Theresia Vogel (klimafonds) Dr. Kyriakos Maniatis Keynote Speaker A3PS Executive board Members	
16:20		Dr. Michael Nöst & DI Hanno Miorini	Closing Remarks	A3PS - Austrian Association for Advanced Propulsion Systems
16:25	Drinks and Snacks			
17:05	End of Conference			

virtual presentation