

Wednesday 10th November, 2021

09:00 – 09:15	Opening <i>Christof Schernus, EARPA Chairman</i>		
09:15 – 09:45	Keynote presentation <i>Sigrid de Vries, Secretary General, CLEPA</i>		
09:45 – 10:00	Presentation: New perspective of lithium ion batteries for automotive applications <i>Carlos Marchante Fernández, winner of the Young Researchers Competition 2020</i>		
10:00 – 10:30	Exhibition & Coffee break Visit the Partner booths in the virtual exhibition or interact with your peers via (video) chat.		
10:30 – 11:00	Keynote presentation: A Climate Neutral Moon-Shot for Mobility <i>Martin Russ, Managing Director, AustriaTech</i>		
11:15 – 12:15	Parallel session: Presentation of the Scientific papers		
	<p>Session 1: Impacts of mobility</p> <p><i>Moderator: Peter Urban</i></p> <p>SP01FF2021 - Numerical study of a family safety in a fully autonomous vehicle <i>Abbas Talimian, New Technologies Research Centre, University of West Bohemia</i></p> <p>SP02FF2021 - The impact of cooperation on ecological and energy-optimal driving strategies <i>Giovanni De Nunzio, IFP Energies nouvelles</i></p>	<p>Session 2: Modelling in mobility</p> <p><i>Moderator: Bert Pluymers</i></p> <p>SP03FF2021 - Simulation-based Lightweight and NVH Optimization in the Automotive Industry <i>Georg Stoll, Fraunhofer Institute for Structural Durability and System Reliability LBF</i></p> <p>SP04FF2021 - Modelling of the Human Body as Part of Bio-Hybrid-Powertrains <i>Mohamad Ali Daher, Institut für Kraftfahrzeuge - RWTH</i></p>	<p>Session 3: Towards new mobility for people and goods</p> <p><i>Moderator: Monica Pla & Magnus Granström</i></p> <p>SP05FF2021 - Towards automated urban delivery <i>Wolfgang Ponweiser, AIT Austrian Institute of Technology</i></p> <p>SP06FF2021 - Transition guidance of mobility of people and goods <i>Ming Chen, TNO</i></p>
12:15 – 13:30	Exhibition & lunch break Visit the Partner booths in the virtual exhibition or interact with your peers via (video) chat.		
13:30 – 14:00	Keynote presentation: Sustainable Road Mobility Beyond Electrification <i>Janez Potočnik, Co-Chair of the International Resource Panel, Partner at SYSTEMIQ and former European Commissioner for the Environment</i>		
14:00 – 15:00	Young Researchers Presentations <i>Moderator: Thilo Bein</i> <ol style="list-style-type: none"> 1. Health-Met, beyond safety: the technology integrated into your helmet that saves your life <i>Andrea Bracali, Department of Industrial Engineering, University of Florence</i> 2. Tactical decision-making strategies after performance-relevant system failures in automated driving systems <i>Jose A. Matute, TECNALIA - Basque Research and Technology Alliance (BRTA)</i> 3. Boosting Electrical Vehicles Safety Through Li-Ion Battery Embedded Control Mechanisms <i>Rafael Lago Sari, Universitat Politècnica de València</i> 		

	<ol style="list-style-type: none"> 4. Model Order Reduction in Nonlinear Tire Simulation <i>Lukas Bürger, KU Leuven and DMMS Lab, Flanders Make</i> 5. Use of composite materials in gearboxes <i>Lukáš Kazda, Czech Technical University in Prague</i> 6. Combustion strategies for promoting transportation decarbonization <i>Josep Gomez-Soriano, CMT - Motores Térmicos, Universitat Politècnica de València</i> 7. Integrated engine and after-treatment system management in HEVs <i>Federico Miretti, Dipartimento Energia “Galileo Ferraris”, CARS@Polito - Center for Automotive Research and Sustainable Mobility, Politecnico di Torino</i> 8. A mobile application for automated classification of tonal noises from conventional powertrains <i>Christian Ramones, FEV Europe GmbH</i> 9. Improvement of Internal Combustion Engine Efficiency through Dynamic Cylinder Deactivation <i>Ondrej Bolehovský, Czech Technical University in Prague</i>
14:45 – 14:50	Voting
14:50 – 15:00	Announcement Winner
15:00 – 15:30	Exhibition & Coffee break Visit the Partner booths in the virtual exhibition or interact with your peers via (video) chat.
15:30 – 16:25	<p>Panel discussion: ‘European sustainable mobility culture of tomorrow’ and the impact of disruptions</p> <p><i>Moderator: Margriet van Schijndel, Program Director Responsible Mobility, Eindhoven University of Technology</i></p> <p><i>Panellists:</i></p> <ul style="list-style-type: none"> • <i>Rosalinde van der Vlies, Director of DG Research & Innovation, Clean Planet, European Commission</i> • <i>Eckard Steiger, CCAM Partnership Vice-Chair</i> • <i>Ivo Cré, Deputy Director, POLIS</i> • <i>Ahmad Omari, Head of Product Development & Industrialisation Micro-Mobility, Mubea</i> • <i>Laurianne Krid, Director General, FIA Region I</i> • <i>Magnus Granström, Speaker EARPA Foresight Group Future Mobility for People and Goods</i>
16.25 – 16:30	<p>Closing of the FORM Forum 2021 <i>Christof Schernus, EARPA Chairman</i></p>
16:30 – 17:00	Networking - Final time to interact with your peers via (video) chat