

Wednesday 10th November 2021

09:00 – 09:15	Opening of FORM Forum 2021 <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 at AustriaTech</i>		
11:00 – 12:00	Parallel session: Presentation of the Scientific papers		
	Session 1: Impacts of mobility <i>Moderator: Peter Urban</i> Numerical study of a family safety in a fully autonomous vehicle <i>Abbas Talimian, New Technologies Research Centre, University of West Bohemia, Czech Republic</i> The impact of cooperation on ecological and energy-optimal driving strategies <i>Giovanni De Nunzio/ Antonio Sciarretta, IFP Energies nouvelles, France</i>	Session 2: Modelling in mobility <i>Moderator: Bert Pluymers</i> Simulation-based Lightweight and NVH Optimization in the Automotive Industry <i>Georg Stoll, Fraunhofer Institute for Structural Durability and System Reliability LBF, Germany</i> Modelling of the Human Body as Part of Bio-Hybrid-Powertrains <i>Mohamad Ali Daher, Institut für Kraftfahrzeuge - RWTH Aachen University</i>	Session 3: Towards new mobility for people and goods Towards automated urban delivery <i>Wolfgang Ponweiser, AIT Austrian Institute of Technology</i> Transition guidance of mobility of people and goods <i>Ming Chen, TNO, the Netherlands</i>
12:00 – 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" - Would that be ok? <i>Janez Potočnik, Co-Chair of the International Resource Panel, Partner at SYSTEMIQ and former European Commissioner for the Environment</i>		
14:00 – 14:45	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, Niccolò Baldanzini, Marco Pierini, Department of Industrial Engineering, University of Florence, Italy</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), Spain,</i> 3. Boosting Electrical Vehicles Safety Through Li-Ion Battery Embedded Control Mechanisms 		

	<p><i>Rafael Lago Sari,</i> <i>Universitat Politècnica de València, Spain</i></p> <ol style="list-style-type: none"> 4. Model Order Reduction in Nonlinear Tire Simulation <i>Lukas Bürger, Frank Naets, Wim Desmet,</i> <i>KU Leuven and DMMS Lab, Flanders Make, Belgium</i> 5. Use of composite materials in gearboxes <i>Lukáš Kazda,</i> <i>Czech Technical University in Prague, Czech Republic</i> 6. Combustion strategies for promoting transportation decarbonization <i>Josep Gomez-Soriano,</i> <i>CMT - Motores Térmicos, Universitat Politècnica de València, Spain</i> 7. Integrated engine and after-treatment system management in HEVs <i>Federico Miretti,</i> <i>Dipartimento Energia “Galileo Ferraris”, CARS@Polito - Center for Automotive Research and Sustainable Mobility, Politecnico di Torino, Italy</i> 8. A mobile application for automated classification of tonal noises from conventional powertrains <i>Christian Ramones, FEV Europe GmbH, Germany</i> 9. Improvement of Internal Combustion Engine Efficiency through Dynamic Cylinder Deactivation <i>Ondrej Bolehovský, Oldrich Vitek,</i> <i>Czech Technical University in Prague, Czech Republic</i>
14:45 – 15:30	<p>Exhibition & Coffee break Visit the Partner booths in the virtual exhibition or interact with your peers via (video) chat.</p>
15:30 – 16:15	<p>Panel discussion: ‘European sustainable mobility culture of tomorrow’ and the impact of disruptions</p> <p><i>Moderator: Margriet van Schijndel, member of the FORM Forum Organizing Committee</i></p> <p><i>Panelists:</i></p> <ul style="list-style-type: none"> • <i>Rosalinde van der Vlies, Director of DG Research & Innovation, Clean Planet, European Commission</i> • <i>Armin Gräter, BMW Group & Chair of the CCAM Partnership Association</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>Magnus Granström, Chair EARPA Foresight Group Future Mobility for People and Goods, Director SAFER</i>
16.15 – 16:30	<p>Closing of the FORM Forum 2021 <i>Christof Schernus, EARPA Chairman</i></p>
16:30 – 17:00	<p>Networking - Final time to interact with your peers via (video) chat</p>