

Wednesday 10th November 2021

09:00 – 09:15	Opening of FORM Forum 2021 <i>Christof Schernus, EARPA Chairman</i>		
09:15 – 10:00	Keynote presentation: <i>Stefaan Vergote, Adviser for Emission Reduction Strategies, Research & Innovation, European Commission</i>		
	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	Session 2: Modelling in mobility	Session 3: Towards new mobility for people and goods
	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>	Simulation-based Lightweight and NVH Optimization in the Automotive Industry <i>Georg Stoll, Fraunhofer Institute for Structural Durability and System Reliability LBF, Germany</i>	Towards automated urban delivery <i>Wolfgang Ponweiser, AIT Austrian Institute of Technology</i>
	The impact of cooperation on ecological and energy-optimal driving strategies <i>Giovanni De Nunzio/ Antonio Sciarretta, IFP Energies nouvelles, France</i>	Modelling of the Human Body as Part of Bio-Hybrid-Powertrains <i>Mohamad Ali Daher, Institut für Kraftfahrzeuge - RWTH Aachen University</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 Speaker to be confirmed		
14:00 – 14:45	Young Researchers Presentations		
	<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</i> <i>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,</i> <i>TECNALIA - Basque Research and Technology Alliance (BRTA), Spain,</i> 3. Boosting Electrical Vehicles Safety Through Li-Ion Battery Embedded Control Mechanisms <i>Rafael Lago Sari,</i> <i>Universitat Politècnica de València, Spain</i> 		

	<p>4. Model Order Reduction in Nonlinear Tire Simulation <i>Lukas Bürger, Frank Naets, Wim Desmet, KU Leuven and DMMS Lab, Flanders Make, Belgium</i></p> <p>5. Use of composite materials in gearboxes <i>Lukáš Kazda, Czech Technical University in Prague, Czech Republic</i></p> <p>6. Combustion strategies for promoting transportation decarbonization <i>Josep Gomez-Soriano, CMT - Motores Térmicos, Universitat Politècnica de València, Spain</i></p> <p>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, Italy</i></p> <p>8. A mobile application for automated classification of tonal noises from conventional powertrains <i>Christian Ramones, FEV Europe GmbH, Germany</i></p> <p>9. Improvement of Internal Combustion Engine Efficiency through Dynamic Cylinder Deactivation <i>Ondrej Bolehovsky, Oldrich Vitek, Czech Technical University in Prague, Czech Republic</i></p>
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 Graeter, Leader Division Strategy Autonomous Driving, Driver Assistance, BMW Group</i> • <i>Karen Vancluysen, Secretary General, 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</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>