

Workshop on Remote Operation of Intelligent Connected and Automated Road Vehicles, Sunday 4 June 2023, 8:00 - 17:50

Time	Program
8:00 – 8:30	Registration
8:30 – 8:45	Opening session <i>Maytheewat Aramrattana + Andreas Schrank</i>
8:45 – 9:15	The need for a socio-technical systems perspective on remote operation of highly automated vehicles <i>Jonas Andersson (RISE Research Institutes of Sweden, Sweden) [Online presenter]</i>
9:15 – 9:45	Hello Tower, where are we heading? – State of the art in remote operation of automated vehicles and future outlook <i>Azra Habibovic (Scania, Sweden) [Online presenter]</i>
9:45 –10:10	Coffee break
10:10 –10:40	On-road remote driving, situation awareness, and limits of teleoperation <i>Marek Vanžura (George Mason University, USA) [Online presenter]</i>
10:40 –11:10	Assisting the Automation: User-Centered Design and User Evaluation of a Prototypical Workplace for the Technical Supervisor <i>Andreas Schrank (German Aerospace Center (DLR), Germany)</i>
11:10– 11:40	Remote driving operation and remote automated vehicle operation <i>Maytheewat Aramrattana (The Swedish National Road and Transport Research Institute, Sweden)</i>
11:40 – 12:40	Interactive session 1
12:40 – 13:40	Lunch
13:40 – 14:10	A Survey of Teleoperation: Driving Feedback (workshop paper) <i>Lin Zhao (KTH Royal Institute of Technology, Sweden)</i>
14:10 –14:40	Vehicle Teleoperation: A Long-Term View <i>Tao Zhang (The National Institute of Standards and Technology (NIST), USA)</i>
14:40 –15:10	Principles for Human Remote Support of Automated Driving Systems: Development of ISO/TC 22/SC 39 TS 17691 <i>Joanne Harbluk, Transport Canada [Online Presenter]</i>
15:10– 15:40	Coffee break
15:40 – 16:10	Remote Operations of Unmanned Systems: How it started vs. How's it going <i>Prof. Mary “Missy” Cummings (George Mason University, USA) [Online presenter]</i>
16:10 –16:40	High-fidelity Teleoperation for Heavy Duty and Fast-moving Vehicles <i>Sanat Mharolkar (Nanyang Technological University, Singapore)</i>
16:40 –17:40	Interactive session 2
17:40– 17:50	Closing <i>Maytheewat Aramrattana + Andreas Schrank</i>