

Monday, October 18, 2021

| TIME | EVENT |
|---------------|--|
| 08:45 - 09:15 | Openning session |
| 09:15 - 10:15 | Methodology for distraction and inattention assessment |
| 09:15 - 09:35 | › Development of a Driver Distraction Safety Rating System for New Vehicles: Report on an Australian Study - <i>Michael Regan, Research Centre for Integrated Transport Innovation (rCITI), University of NSW</i> |
| 09:35 - 09:55 | › A method to assess driver behaviour following distractions external to the vehicle - <i>William Clifford, Computer Science Department [Maynooth]</i> |
| 09:55 - 10:15 | › Exploring the prevalence of in-vehicle distraction in moving traffic: An observational study using camera technology - <i>Giulio Ponte, Centre for Automotive Safety Research</i> |
| 10:15 - 11:15 | Driving performance |
| 10:15 - 10:35 | › The traffic and safety effect of smartphone texting and web surfing during driving in cities: A driving simulator study - <i>Dimosthenis Pavlou, National Technical University of Athens</i> |
| 10:35 - 10:55 | › Processing variable message signs under cognitive distraction - <i>Pilar Tejero, Departamento de Psicología Básica / ERI Lectura, University of Valencia</i> |
| 10:55 - 11:15 | › Assessing the Validity of Low and Medium-Fidelity Driving Simulators for HMI Distraction Testing – A Subjective Approach - <i>David Large, The University Of Nottingham</i> |
| 11:15 - 11:30 | Break |
| 11:30 - 12:30 | Keynote speech - Frédéric Dehais - Isae-Supaero |
| 12:30 - 14:00 | Lunch |
| 14:00 - 14:40 | Physiology |
| 14:00 - 14:20 | › Auditory distraction in simulated manual and autonomous driving: an fMRI approach - <i>Alexandra Fort - Laboratoire Ergonomie et Sciences Cognitives pour les Transports</i> |
| 14:20 - 14:40 | › Painting the bigger picture given by psychophysiological measures: A cognitive load driving study that acknowledges side effects of repetition and traffic scenario - <i>Emma Nilsson, Volvo Cars Safety Centre, Volvo Car Corporation, Vehicle Safety at Mechanics and Maritime Sciences, Chalmers University of Technology</i> |
| 14:40 - 16:00 | Methodology for distraction and inattention assessment |
| 14:40 - 15:00 | › Visual occlusion as tool to assess attentional demand and spare capacity - <i>Katja Kircher, The Swedish National Road and Transport Research Institute, Department of Behavioural Sciences and Learning, Linköping University</i> |
| 15:00 - 15:20 | › A context-dependent multi-buffer driver distraction detection algorithm and its application to automated docking at bus stops - <i>Christer Ahlstrom, The Swedish National Road and Transport Research Institute</i> |
| 15:20 - 15:40 | › Quantifying attentional demand of a lane-keeping task as the minimum required information in predictive processing - <i>Tuomo Kujala, University of Jyväskylä</i> |
| 15:40 - 16:00 | › Distraction Assessment Methods: To What Extent Does a Detection Response Task (DRT) Impact Apparent Workload? - <i>Bruce Mehler, Massachusetts Institute of Technology</i> |

Tuesday, October 19, 2021

| TIME | EVENT |
|---------------|--|
| 10:00 - 10:40 | Driver attitude |
| 10:00 - 10:20 | › Uncovering driver inattention and distraction in fatal and injury crashes - <i>Lisa Wundersitz, University of Adelaide</i> |
| 10:20 - 10:40 | › Strategies used by young male drivers for coping with driver boredom - <i>Mikuláš Toman, Univerzita Palackého [Olomouc]</i> |
| 10:40 - 11:15 | Poster session & pitches |
| 10:40 - 10:45 | › Processing traffic messages in autonomous driving - <i>Marina Pi-Ruano, ERI-Lectura (Universidad de Valencia), Departamento Psicología Evolutiva y de la Educación, University of Valencia</i> |
| 10:45 - 10:50 | › Driver State Monitoring – Inferring Driver Anger and Attention from Electromyography - <i>Yi-Ching Lee, George Mason University [Fairfax]</i> |
| 10:50 - 10:55 | › Attitudes towards Distraction and Mitigation Strategies – Implications for School-Based Interventions - <i>Yi-Ching Lee, George Mason University [Fairfax]</i> |
| 10:55 - 11:00 | › Risk-taking tendencies and not motor inhibition succeed to predict the capacity to drive: a large-scale population study with on-road referencing - <i>Pierre Le Denmat, Univ. Lille, CNRS, UMR 9193, SCALab-Sciences Cognitives et Sciences Affectives, F-59000 Lille, France. - Clemence Roger, Univ. Lille, CNRS, UMR 9193, SCALab-Sciences Cognitives et Sciences Affectives, F-59000 Lille, France.</i> |
| 11:00 - 11:05 | › Individual differences in driver distraction triggered by social-reward stimuli under various fog density - <i>Jérémy Matias, Laboratoire de Psychologie Sociale et Cognitive - Clermont Auvergne</i> |
| 11:05 - 11:10 | › Assessing secondary task demand while driving using the Box Task versus the Lane Change Task – A comparison of two methods - <i>Tina Morgenstern, Chemnitz University of Technology</i> |
| 11:10 - 11:15 | › Drivers' Mobile Phone Use during COVID-19: Motivating Factors and Implications - <i>Yi-Ching Lee, George Mason University [Fairfax]</i> |
| 11:15 - 13:15 | Lunch |
| 13:15 - 14:15 | Takeover |
| 13:15 - 13:35 | › Sleep in Automated Driving – The Perception of Sleep Inertia after Take Over - <i>Johanna Wörle, Wuerzburg Institute for Traffic Sciences</i> |
| 13:35 - 13:55 | › The influence of take-over timings on the driver response process in a lead-vehicle cut-out scenario - <i>Linda Pipkorn, Vehicle Safety, Chalmers University of Technology</i> |
| 13:55 - 14:15 | › The longer the autonomous phase, the greater impact on driver's take over behavior ? - <i>Arthur PORTRON, Institut des Sciences du Mouvement Etienne Jules Marey</i> |
| 14:15 - 14:55 | Crash risk |
| 14:15 - 14:35 | › Vehicle Control and Response to Emerging Events: It's Both Off-Road and On-Road Glance Duration - <i>Bruce Mehler, Massachusetts Institute of Technology</i> |
| 14:35 - 14:55 | › Characterisation of Visual Distractions in Drivers Associated with Accident Risk: A Multi-Component Investigation - <i>James Jackson, Applus IDIADA</i> |

Wednesday, October 20, 2021

| TIME | EVENT |
|---------------|--|
| 10:00 - 10:40 | Driver state monitoring |
| 10:00 - 10:20 | › Evaluation of Driver Visual Distraction in Automated Driving Systems in Driving Simulator, Test Course, and Public Roads Experiments - <i>Toshihisa Sato, National Institute of Advanced Industrial Science and technology</i> |
| 10:20 - 10:40 | › Time of day influence on real-time detection of drowsiness and predicted sleepiness - <i>Brook Shiferaw, Seeing Machines Ltd</i> |
| 10:40 - 11:00 | Coffee break |
| 11:00 - 12:00 | Autoconduct |

| TIME | EVENT |
|---------------|---|
| 11:00 - 11:20 | › Driver monitoring during automation: disentanglement of activities and emotions - <i>Christophe Jallais, Université Gustave Eiffel</i> |
| 11:20 - 11:40 | › Approach used to merge the different driver monitoring diagnostics in the AutoConduct project - <i>Hélène Tattegrain, Université Gustave Eiffel</i> |
| 11:40 - 12:00 | › Impact of the driver's visual engagement and situation awareness on takeover quality - <i>Paul Marti, LS2N, CNRS</i> |
| 12:00 - 13:30 | Lunch |
| 13:30 - 15:10 | Disconnected driver/occupant in the context of automation |
| 13:30 - 13:50 | › Which impacts of the Hands OFF modality on drivers disconnection for Level 2 Automation Systems Driving? - <i>Jean-François Forzy, Renault Research departement - Luciano Ojeda, PSA Group - Beatrice cahour, Institut interdisciplinaire de l'innovation</i> |
| 13:50 - 14:10 | › How far smartphone activities are easily interruptible during HAD? A pilot study - <i>Marie Jaussein, LESCOT</i> |
| 14:10 - 14:30 | › Effects of secondary tasks on drivers' glance and driving behavior while driving a partially automated vehicle on a closed circuit - <i>Cornelia Hollander, Chemnitz University of Technology</i> |
| 14:30 - 14:50 | › Assessing Neural Indices of Workload and Visual Engagement during Partial Automation - <i>Amy McDonnell, University of Utah</i> |
| 14:50 - 15:10 | › What Just Happened? Exploring Drivers' Acceptability of Minimal Risk Condition – A Qualitative Driving Simulator Study - <i>Diego Cortez, The University Of Nottingham</i> |
| 15:10 - 15:30 | Closing session |