

DA2019 DRAFT PRESENTATION SCHEDULE

<u>Tuesday, June 25, 2019</u>		<u>Organization</u>	<u>Country</u>
Toyota Distinguished Keynote Speaker (8:30-9:30 AM)			
1	Issues of Risk and Trust in New Technologies (<i>title-TBA</i>), Bryant Walker Smith	University of So. Carolina	USA
SESSION 1. Lectures (5) (10:00-11:45 AM)			
<u>Driver Behavior, Distraction and Crash Risk</u>			
2	In the Context of Whole Trips: New Insights Into Driver Management of Attention and Tasks, Linda Angell	Touchstone Evaluations, Inc.	USA
3	Mind-Wandering While Driving: Comparing Thought Report and Individual Difference Measures, Heather Walker	University of Guelph	Canada
4	Vehicle Familiarity and Relative Risk of Fatal Crash Involvement, William Horrey	AAA Foundation for Traffic Safety	USA
5	Recognition of Manual Driving Distraction Through Deep-Learning and Wearable Sensing, Xu Xu	North Carolina State University	USA
6	The Relationship between Sensation Seeking and Speed Choice in Road Environments with Different Levels of Risk, Tyron Louw	University of Leeds	UK
SESSION 2. Lectures (5) (1:30-3:15 PM)			
<u>Vulnerable Road Users</u>			
7	Impact of Headlight Glare on Pedestrian Detection with Unilateral Cataract, Eli Peli	Schepens Eye Research Institute	USA
8	MOVE-IT: Development and Evaluation of Efficient Training Procedures for Elderly Road Users to Support their Driving Competence, Stefanie Schoch	Würzburg Institute for Traffic Sciences GmbH	Germany
9	Real-Time Effects of Age-Related Cognitive Dysfunction on Driver Vehicle Control, Jennifer Merickel	University of Nebraska Medical Center	USA
10	The Impact of Crosswalk Design on Driver Performance: Implications for Pedestrian Safety, Huizhong Guo	University of Washington	USA
11	Dynamics of Pedestrian Crossing Decisions Based on Vehicle Trajectories in Large-Scale Simulated and Real-World Data, Lex Fridman/Jack Terwilliger	MIT	USA

DA2019 DRAFT PRESENTATION SCHEDULE

SESSION 3. Poster Session A (14) (3:15-4:45 PM)			
12	Drivers' Assessment of Hazard Perception, Daniela Barragan	George Mason University	USA
13	Road Factors and Their Impact on Drivers' Speed and Lateral Position Control Behavior, Foroogh Hajiseyedjavadi	University of Leeds	UK
14	Hacking Nonverbal Communication between Pedestrians and Vehicles in Virtual Reality, Henri Schmidt	MIT	USA
15	Design and Evaluation of Adaptive Collision Avoidance Systems, Husam Muslim	University of Tsukuba	Japan
16	A Survey Study Measuring People's Preferences Towards Automated and Non-Automated Ridesplitting, Fangda Zhang	University of Massachusetts Amherst	USA
17	Dark Personality and Road Crashes: Mediating Role of Driver Vengeance and Violations, Nebi Sumer	Sabanci University	Turkey
18	Is Driving Simulation a Viable Method for Examining Drivers' Ethical Choices? An Exploratory Study, Anuj Pradhan	University of Massachusetts Amherst	USA
19	Drivers Fail to Calibrate to Optic Flow Speed Changes During Automated Driving, Callum Mole	University of Leeds	UK
20	The Effects of Chewing Gum on the Driving Performance of Emergency Medicine Residents After Overnight Shift Work, Maricel Dela Cruz	Drexel University, College of Medicine	USA
21	An Investigation of Measuring Driver Anger with Electromyography, Christopher Saikalis	George Mason University	USA
22	Effect of Alert Presentation Mode and Hazard Direction on Driver Takeover from an Autonomous Vehicle, Ben Cortens	University of Guelph	Canada
23	Effects of Inaccurate Gaze Behavior on Young Drivers' Hazard Anticipation, Sarah Yahoodik	Old Dominion University	USA
24	Spatially Biased Eye Movements in Drivers with Glaucoma and Visual Field Defects, David Anderson	University of Nebraska Medical Center	USA
25	Comparing Performance when Using a New Style Large Touchscreen Compared to a Traditional In-Vehicle Touchscreen, Timothy Brown	University of Iowa-NADS	USA

DA2019 DRAFT PRESENTATION SCHEDULE

<u>Wednesday, June 26, 2019</u>			
SESSION 4. Lectures (5) (8:30-10:15 AM)			
<u>Medical Impairments</u>			
26	Using a Driving Simulator to Create a Visual Search Test for Drivers with Parkinson's Disease, Hannes Devos	University of Kansas Medical Center	USA
27	Driving Simulator Performance in the Acute Post-Injury Phase Following a Mild Traumatic Brain Injury among Adolescents, Despina Stavrinou	The University of Alabama at Birmingham	USA
28	Task Analysis for Measuring Mobility and Recovery Following Right-Sided TKA: Toward Determining Driver Readiness, Bethany Lowndes	University of Nebraska Medical Center	USA
29	Magnetoencephalography during Simulated Driving: A New Paradigm for Driver Assessment, Elizabeth Walshe	University of Pennsylvania & Children's Hospital of Philadelphia	USA
30	The Effect of a Concussion on the Hazard Anticipation Ability in Teen Drivers, Atefeh Katrahmani	Western New England University	USA
SESSION 5. Lectures (5) (10:45 AM-12:30 PM)			
<u>Methods and Data Analysis</u>			
31	What You See is What You Get? Correspondence of Video and Questionnaire Data on Secondary Task Engagement While Driving-A Naturalistic Driving Study, Maria Kreusslein	Chemnitz University of Technology	Germany
32	Predicting a Driver's Personality from Daily Driving Behavior, Yuichi Ishikawa	KDDI Research, Inc.	Japan
33	German Validation of the Prosocial and Aggressive Driving Inventory (PADI), Tanja Stoll	Ulm University	Germany
34	Using Markovian Chains to Understand Drivers' Gaze Transitions During Lane-Changes in Manual vs. Automated Driving, Rafael Goncalves	University of Leeds	UK
35	The Heterogeneity Principle, Ron Knipling	Safety for the Long Haul Inc.	USA
SESSION 6. Poster Session B (14) (2:15-3:45 PM)			
36	Where You Look During Automation Influences Where You Steer After Take-Over, Callum Mole	University of Leeds	UK
37	Mapping Visual Fields in a Panoramic Driving Simulator Under Different Task Loads in Patients with Glaucoma, Deeptha Ghate	University of Nebraska Medical Center	USA
38	How Long Does It Take to Relax? Observation of Driver Behaviors During First Highly Automated Ride, Kamil Omozik	BMW AG	Germany

DA2019 DRAFT PRESENTATION SCHEDULE

39	Investigating Pedestrians' Crossing Behaviour During Car Deceleration Using Wireless Head Mounted Display: An Application Towards the Evaluation of eHMI of Automated Vehicles, Yee Mun Lee	University of Leeds	UK
40	Characterization of Driver Engagement in Secondary Tasks from Observed Driver Behavior Data, Osama Osman	Virginia Tech Transportation Institute	USA
41	Driving Simulator Assessment of Fitness to Drive Following Traumatic Brain Injury, Benjamin McManus	University of Alabama at Birmingham	USA
42	The Effect of Turn Signal Onset on Lateral Performance Measures When Overtaking a Lead Vehicle - Using Naturalistic Driving Environment, Brian Lin	UMTRI	USA
43	Effects of Voluntary Handheld vs. Speech-Based Text Entry on Driving Performance in (Un)Predictable Critical Situations, Katja Schleinitz	TÜV DEKRA arge tp 21	Germany
44	Engagement During L2 Automation via Driver Monitoring and Contextual Alerts: A Pilot Driving Simulator Study, Anuj Pradhan	University of Massachusetts Amherst	USA
45	Speed Anticipation Characteristic with Optical Flow for Driver Behavior Assessment of Older Drivers, Hiroshi Yoshitake	The University of Tokyo	Japan
46	Age and Secondary Task Engagement in Relation to Safe/Unsafe Driving Behavior and Crash/Non-Crash Events, Jose Calvo	George Mason University	USA
47	Eye Contact between Pedestrians and Drivers, Dina AlAdawy	MIT	USA
48	Posing Questions and Policy Suggestions: Autonomous Vehicles & Climate Change, Yi-Ching Lee	George Mason University	USA
49	A Methodical Approach to Examine Conflicts in Context of Driver - Autonomous Vehicle - Interaction, Marcel Woide	Ulm University	Germany
<u>Thursday, June 27, 2019</u>			
SESSION 7. Hybrid (11) (8:30-10:30 AM)			
50	Driving with Foresight - Evaluating the Effect of Cognitive Distraction and Experience on Anticipating Events in Traffic, Kristin Muehl	Ulm University	Germany
51	Driver Behavior in Overtaking Accidents as a Function of Driver Age, Road Capacity and Vehicle Speed: A Case Study in Iraq, Husam Muslim	University of Tsukuba	Japan
52	Are Driving Simulators Suitable to Measure the Driving Competence of Elderly Drivers? Ramona Kenntner-Mabiala	WIVW GmbH	Germany
53	Can Virtual Reality Headsets be Used to Measure Accurately Drivers' Anticipatory Behaviors? Ganesh Pai Mangalore	University of Massachusetts Amherst	USA
54	Driving Simulation as Virtual Reality Exposure Therapy to Rehabilitate Patients with Driving Fear After Traffic Accidents, Yvonne Kaussner	WIVW GmbH	Germany
55	The Dynamic Merge: Using Traffic Volume Based Signing to Improve Workzone Throughput, Starla Weaver	Leidos	USA

DA2019 DRAFT PRESENTATION SCHEDULE

56	How Demanding is "Just Driving?" A Cognitive Workload - Psychophysiological Reference Evaluation, Bruce Mehler	MIT	USA
57	The Conspicuity Benefits of Bicycle Taillights in Daylight, Darlene Edewaard	Clemson University	USA
58	Associations Between Cognitive Distortions In Moral Reasoning And Self-Reported Traffic Violations And Crashes For Different Road User Groups, Erik Roelofs	Cito	Netherlands
59	Comparison of Virtual Driving Test Performance and On-Road Examination for Licensure Performance: A Replication Study, Elizabeth Walshe	University of Pennsylvania	USA
60	Consumer Confusion with Levels of Vehicle Automation, Bobbie Seppelt	MIT	USA
SESSION 8. Lectures (5) (10:45 AM - 12:30 PM)			
Automation			
61	Learning and Development of Mental Models during Interactions with Driving Automation: A Simulator Study, Yannick Forster	BMW Group	Germany
62	Understanding Lane-Keeping Assist: Does Control Intervention Enhance Perceived Capability? John Sullivan	UMTRI	USA
63	Consumer comfort with vehicle automation: Changes over time, Chaiwoo Lee	MIT	USA
64	Autonomous Vehicles Interactions with Other Road Users: Conflicts and Resolutions, Michael Heymann	Ben-Gurion University	Israel
65	Cognitive Load During Automation Affects Gaze Behaviours and Transitions to Manual Steering Control, Richard Wilkie	University of Leeds	UK