

DA2017 DRAFT Schedule

Monday, June 26		
12:00-6:00 PM	Early Registration	Dorset Room
1:30-6:00 PM	Exhibitor Set up	Manchester & Bennington
6:30-9:00 PM	Welcome Reception <i>Taste of Vermont</i>	Lincoln Gardens (outside)
Tuesday, June 27		
7:30 AM – 3:30 PM	Registration	Dorset Room
7:30 AM – 8:45 AM	Continental Breakfast	Manchester Foyer
7:30 AM – 1:30 PM	Poster Session A Set Up	Manchester & Bennington
8:00 AM – 4:30 PM	Exhibitors Available	Manchester & Bennington
8:30 AM – 9:30 AM	Toyota Distinguished Keynote Speaker <i>The Road Ahead for Fully Self-Driving Cars (1)</i> by Ron Medford , Google	Rockwell Ballroom
9:30 AM – 10:00 AM	Break	Manchester & Bennington
10:00 AM – 11:45 AM	Medical Issues in Driving (Lecture Session 1)	Rockwell Ballroom
10:00-10:20 AM	DETERMINANTS OF PERFORMANCE ON SPECIFIC ON-ROAD SKILLS IN MULTIPLE SCLEROSIS (2)	Abiodun (Emmanuel) Akinwuntan , Kansas University Medical Center
10:20-10:40 AM	PILOTING A NEW METHOD FOR ESTIMATING EFFECTS OF VISUAL FIELD LOSS IN A PANORAMIC DRIVING ENVIRONMENT (3)	David Anderson , Department of Neurological Sciences, University of Nebraska Medical Center
10:40-11:00 AM	DRIVING PERFORMANCE AND DRIVER STATE IN OBSTRUCTIVE SLEEP APNEA: WHAT CHANGES WITH POSITIVE AIRWAY PRESSURE? (4)	Jeff Dawson , University of Iowa
11:00 – 11:20 AM	RELATIONSHIP BETWEEN BRAIN ACTIVITY AND REAL-ROAD DRIVING BEHAVIOR: A VECTOR-BASED WHOLE-BRAIN FUNCTIONAL NEAR-INFRARED SPECTROSCOPY STUDY (5)	Yoshitomo Orino , Traffic Control Center, Hachioji Branch, Central Nippon Expressway Co., Ltd., JAPAN
11:20-11:40 AM	CONTEXTUALIZING NATURALISTIC DRIVING DATA IN A RURAL STATE AMONG DRIVERS WITH AND WITHOUT OBSTRUCTIVE SLEEP APNEA (6)	Elizabeth Bair , University of Iowa
11:45-1:15 PM	Honda Luncheon and Outstanding Student Awards	Lincoln Gardens (outside)
1:30 PM – 3:00 PM	Poster Session A (13)	Manchester & Bennington
	PREFERRED FOLLOWING DISTANCE AND PERFORMANCE IN AN EMERGENCY EVENT WHILE USING COOPERATIVE ADAPTIVE CRUISE CONTROL (7)	Stacy Balk , Leidos

DA2017 DRAFT Schedule

	CAN INFORMATION ABOUT AN APPROACHING BICYCLE'S CHARACTERISTICS INFLUENCE DRIVERS' GAP ACCEPTANCE AND TTA ESTIMATES? (8)	Katja Schleinitz, TU Chemnitz, <i>GERMANY</i>
	TIME TO ARRIVAL ESTIMATES, (PEDESTRIAN) GAP ACCEPTANCE AND THE SIZE ARRIVAL EFFECT (9)	Tibor Petzoldt, TU Chemnitz, <i>GERMANY</i>
	QUANTITATIVE AND QUALITATIVE AGE DIFFERENCES IN PERCEIVED COMPLEXITY AT INTERSECTIONS INVOLVING FATAL CRASHES (10)	Timothy Wright, Dunlap and Associates, Inc.
	MODELING OF STIMULUS-RESPONSE SECONDARY TASKS WITH DIFFERENT MODALITIES WHILE DRIVING IN A COMPUTATIONAL COGNITIVE ARCHITECTURE (11)	Heejin Jeong, University of Michigan
	ASSESSING MORAL REASONING, COGNITIVE DISTORTIONS AND DRIVING STYLE IN THE CONTEXT OF POST LICENSE YOUNG DRIVER COACHING (12)	Erik Roelofs, Cito International, <i>The NETHERLANDS</i>
	HAZARD PERCEPTION TEST (HPT): A PILOT STUDY IN BRAZIL (13)	Egas Caparelli-Daquer, Nervous System Stimulation Laboratory (LabEEL), State University of Rio de Janeiro (UERJ), <i>BRAZIL</i>
	COMPARING METHODS OF DETECTING MIND WANDERING WHILE DRIVING (14)	Daniela Barragan, George Mason University
	EFFECTS OF BEHAVIOR-BASED DRIVER FEEDBACK SYSTEMS ON COMMERCIAL LONG HAUL OPERATOR SAFETY (15)	Anuj Pradhan, University of Michigan Transportation Research Institute
	EFFECTS OF DISTRACTION TYPE, DRIVER AGE, AND ROADWAY ENVIRONMENT ON REACTION TIMES – AN ANALYSIS USING SHRP-2 NDS DATA (16)	Laura Higgins, Texas A&M Transportation Institute
	CRASH RISK ANALYSIS OF DISTRACTED DRIVING BEHAVIOR: INFLUENCE OF SECONDARY TASK ENGAGEMENT AND DRIVER CHARACTERISTICS (17)	Osama Osman, Louisiana State University
	TIME SERIES CATEGORIZATION OF DRIVING MANEUVERS USING ACCELERATION SIGNALS (18)	Chris Schwarz, University of Iowa, National Advanced Driving Simulator
	THE RELATION BETWEEN THE DRIVER BEHAVIOR QUESTIONNAIRE, DEMOGRAPHICS, AND DRIVING HISTORY (19)	Birsen Donmez, University of Toronto, <i>CANADA</i>

DA2017 DRAFT Schedule

3:00 – 3:30 PM	Poster Session A Tear Down	Manchester & Bennington
3:30 PM	Intro to Land Rover Experience <i>This is a short instructional presentation for ALL Land Rover participants</i>	Rockwell Ballroom
4:00 – 8:30 PM	Land Rover Experience <i>Participants will be assigned a half-hour time slot. Ticket(s) will be in conference packet. You may trade with others if necessary</i>	Land Rover Training Facility
Wednesday, June 28		
7:30 AM – 3:30 PM	Registration	Dorset Room
7:30 AM – 8:45 AM	Continental Breakfast	Manchester Foyer
7:30 AM – 1:30 PM	Poster Session B Set Up	Manchester & Bennington
8:00 AM – 4:30 PM	Exhibitors Available	Manchester & Bennington
8:30-10 AM	Younger & Older Drivers (Lecture Session 2)	Rockwell Ballroom
8:30-8:50 AM	EFFECTIVENESS OF TRAINING INTERVENTIONS ON THE HAZARD ANTICIPATION FOR YOUNG DRIVERS DIFFERING IN SENSATION SEEKING BEHAVIOR (20)	Tingru Zhang, University of Massachusetts Amherst
8:50-9:10 AM	FOLLOWING EXPERT'S EYES: EVALUATION OF THE EFFECTIVENESS OF A GAZE-BASED TRAINING INTERVENTION ON YOUNG DRIVERS' LATENT HAZARD ANTICIPATION SKILLS (21)	Yusuke Yamani, Old Dominion University
9:10-9:30 AM	EVALUATION OF A TRAINING INTERVENTION TO IMPROVE NOVICE DRIVERS' HAZARD MITIGATION BEHAVIOR ON CURVES (22)	Jeffrey Muttart, Crash Safety Research Center, LLC
9:30-9:50 AM	FACTORS CONTRIBUTING TO SELF-REPORTED CELL PHONE USAGE BY YOUNGER DRIVERS IN THE PACIFIC NORTHWEST (23)	Hisham Jashami, Oregon State University
9:50-10:10 AM	EFFECTIVENESS OF VISUAL COLLISION WARNING ALERTS ON YOUNG DRIVERS' LATENT HAZARD ANTICIPATION (24)	Foroogh Hajiseyedjavadi, University of Massachusetts Amherst
10:15-10:45 AM	Break	Manchester & Bennington
10:45 AM – 12:30 PM	Driver Interface Issues (Lecture Session 3)	Rockwell Ballroom
10:45-11:05 AM	VOICE-CONTROLLED IN-VEHICLE SYSTEMS: EFFECTS OF VOICE-RECOGNITION ACCURACY IN THE PRESENCE OF BACKGROUND NOISE (25)	Neil Sokol, University of Toronto, CANADA

DA2017 DRAFT Schedule

11:05-11:25 AM	CONSIDERING SELF-REPORT IN THE INTERPRETATION OF OBJECTIVE PERFORMANCE DATA IN THE COMPARISON OF HMI SYSTEMS (26)	Bruce Mehler, Massachusetts Institute of Technology
11:25-11:45 AM	HEAD MOUNTED DISPLAYS VERSUS WRAP AROUND SCREENS: THE EFFECT OF DISPLAY MODALITY ON DRIVER RESPONSE TO UNEXPECTED PEDESTRIAN CROSSINGS DURING SIMULATED DRIVING (27)	Daniella Filio, University of Guelph, CANADA
11:45 AM-12:05 PM	EFFECTS OF IN-VEHICLE MESSAGING ON MENTAL WORKLOAD DURING DRIVING THROUGH WORK ZONES (28)	Curtis Craig, University of Minnesota
12:05-12:25 PM	HUMAN-VEHICLE INTERFACES: TAPPING THE POWER OF MOVEMENT GESTURES IN AUTONOMOUS VEHICLE AND HUMAN ROAD USER COORDINATION (29)	Malte Risto, UCSD Design Lab
12:30-1:30 PM	Buffet Luncheon	Lincoln Gardens (outside)
1:30-2:30 PM	Distinguished Keynote Luncheon Speaker <i>Automobile Collisions – A Freudian Approach (Johns’ take on automated cars.....)</i> (30) by John Senders	Rockwell Ballroom
2:30 – 4:00 PM	Poster Session B (13)	Manchester & Bennington
	COMPUTATIONAL MODELING OF DRIVER LATERAL CONTROL ON CURVED ROADS WITH INTEGRATION OF VEHICLE DYNAMICS AND REFERENCE TRAJECTORY TRACKING (31)	Heejin Jeong, University of Michigan
	CALLING WHILE DRIVING: AN INITIAL EXPERIMENT WITH HOLOLENS (32)	Andrew Kun, University of New Hampshire
	PERCEIVING THE ROADWAY IN THE BLINK OF AN EYE – RAPID PERCEPTION OF THE ROAD ENVIRONMENT AND PREDICTION OF EVENTS (33)	Benjamin Wolfe, CSAIL, Massachusetts Institute of Technology
	EVALUATING FITNESS TO DRIVE IN ELDERLY WITH SUBJECTIVE COGNITIVE DECLINE (34)	Judith Urlings, Hasselt University, BELGIUM
	COMPARING G-FORCE MEASUREMENT BETWEEN A SMARTPHONE APP AND AN IN-VEHICLE ACCELEROMETER (35)	Johnathon Ehsani, Johns Hopkins Bloomberg School of Public Health

DA2017 DRAFT Schedule

	CONSIDERING THE HUMAN ACROSS LEVELS OF AUTOMATION: IMPLICATIONS FOR RELIANCE BEHAVIORS DURING TRANSFER OF CONTROL (36)	Bobbie Seppelt, Touchstone Evaluations, Inc.
	REPLICATING TEST TRACK PROTOCOLS IN A SIMULATOR: WHAT NEEDS TO BE MATCHED? (37)	Timothy Brown, University of Iowa, National Advanced Driving Simulator
	ADJUSTED CRASH ODDS RATIO ESTIMATES OF DRIVER BEHAVIOR ERRORS: A RE-ANALYSIS OF THE SHRP 2 NATURALISTIC DRIVING STUDY DATA (38)	Richard Young, Driving Safety Consulting, LLC
	HOW COMMON IN-CAR DISTRACTIONS AFFECT DRIVING PERFORMANCE IN SIMPLE AND COMPLEX ROAD ENVIRONMENTS (39)	Robert Nowosielski, University of Guelph, CANADA
	USING SITUATION AWARENESS AS A MEASURE OF DRIVER HAZARD PERCEPTION ABILITY (40)	Atefeh Katrahmani, Western New England University
	A LINK BETWEEN TRUST IN TECHNOLOGY AND GLANCE ALLOCATION IN ON-ROAD DRIVING (41)	Claudia Geitner, University of Warwick, UNITED KINGDOM
	AN ANTIPHONY FRAMEWORK FOR DIVIDING TASKS INTO SUBTASKS (42)	Ben D. Sawyer, MIT AgeLab
	ROLE OF PSYCHOLOGICAL EFFECTS OF REAL-TIME TRAVEL INFORMATION PROVISION ON EN ROUTE TRAVELER ROUTE CHOICE DECISIONS (43)	Dongyoon Song Purdue University
4:00-4:30 PM	Poster Session B tear down	Manchester & Bennington
4:30-5:30 PM	Exhibitor tear down	Manchester & Bennington
5:30-6:30 PM	Load shuttle buses from hotel to Southern VT Art Center (20 min. ride)	Meet at Hotel lobby
6:00-9:00 PM	Cash bar	Southern VT Art Center
7:00- 8:00 PM	Dinner Buffet	Southern VT Art Center
7:45-8:45 PM	Hands on Experience with Master Falconer (<i>Birds</i>)	Southern VT Art Center (Outside)
8:45-9:30 PM	Load shuttle buses from Southern VT Art Center back to hotel (20 min. ride)	
Thursday, June 29		
7:30 AM – 1:00 PM	Registration	Dorset Room
7:30 AM – 8:45 AM	Continental Breakfast	Rockwell Foyer
7:30 AM – 8:30 AM	Hybrid Poster Set Up	Rockwell Ballroom

DA2017 DRAFT Schedule

8:30-10:30 AM	Hybrid Session (14)	Rockwell Ballroom
8:30-9:00 AM	Introductions	
9:00-10:30 AM	Poster session	
	EVALUATING DRIVERS' STATES IN SLEEPINESS COUNTERMEASURES EXPERIMENTS USING PHYSIOLOGICAL AND EYE DATA – HYBRID LOGISTIC AND LINEAR REGRESSION MODEL (44)	Elisabeth Schmidt, BMW AG, <i>GERMANY</i>
	SEQUENTIAL IN-VEHICLE GLANCE ANALYSIS OF ATTENTION MAINTENANCE BEHAVIOR FOR TRAINED AND UNTRAINED YOUNG DRIVERS (45)	Pinar Bicaksiz, Old Dominion University
	VEHICLE ACCESSIBILITY: ASSOCIATION WITH NOVICE TEEN DRIVING CONDITIONS (46)	Pnina Gershon, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health
	TRAINING TO IMPROVE COLLISION DETECTION IN OLDER ADULTS (47)	Carissa Lemon, University of California, Riverside
	EXAMINING THE EFFECTIVENESS OF FORWARD COLLISION WARNINGS FOR DROWSY DRIVERS (48)	John Gaspar, University of Iowa, National Advanced Driving Simulator
	IT'S OUT OF OUR HANDS NOW! EFFECTS OF NON-DRIVING RELATED TASKS DURING HIGHLY AUTOMATED DRIVING ON DRIVERS' FATIGUE (49)	Oliver Jarosch, BMW Group Research and Technology, <i>GERMANY</i>
	PREDICTORS OF MIND-WANDERING WHILE DRIVING (50)	Heather Rodd, University of Guelph, <i>CANADA</i>
	AM I DRIVING OR ARE YOU OR ARE WE BOTH? A TAXONOMY FOR HANDOVER AND HANDBACK IN AUTOMATED DRIVING (51)	Philipp Wintersberger, University of Applied Sciences, Ingolstadt, <i>GERMANY</i>
	THE EFFECTS OF GUIDANCE METHOD ON DETECTION AND SCANNING AT INTERSECTIONS – A PILOT STUDY (52)	Steven Savage, Schepens Eye Research Institute, Harvard Medical School
	DOES AN INTERACTION BETWEEN GLANCE DURATION AND CLOSURE RATE CAUSE REAR-END CRASHES? (53)	Richard Young, Driving Safety Consulting, LLC
	COMPARISON OF GLANCING BEHAVIORS OF RIDERS AND DRIVERS AT UNSIGNALIZED INTERSECTIONS INVOLVING RIGHT TURNS (54)	Jeff Muttart, Crash Safety Research Center, LLC

DA2017 DRAFT Schedule

	DYNAMIC WORKLOAD FLUCTUATIONS IN DRIVER/NON-DRIVER CONVERSATIONAL DYADS (55)	David Strayer, University of Utah
	HOW DO CHANGES IN THE EXTERNAL ENVIRONMENT AFFECT DRIVING ENGAGEMENT IN AUTOMATED DRIVING? – AN EXPLORATORY STUDY (56)	Heishiro Toyoda, Toyota Motor North America
	EXPLORING DRIVER RESPONSES TO UNEXPECTED AND EXPECTED EVENTS USING PROBABILISTIC TOPIC MODELS (57)	Vindhya Venkatraman, Liberty Mutual Research Institute for Safety
10:30-10:45 AM	Break	Rockwell Foyer
10:45 AM – 12:05 PM	Driver Distraction & Attention (Lecture Session 4)	Rockwell Ballroom
10:45-11:05 AM	THREATS TO SCIENTIFIC VALIDITY IN TRUCK DRIVER HOURS-OF-SERVICE STUDIES (58)	Ron Knipling, Safety for the Long Haul Inc.
11:05-11:25 AM	MODELING THE EFFECT OF SUBTASK BOUNDARY ON DRIVER GLANCE BEHAVIOR (59)	Ja Young Lee, University of Wisconsin-Madison
11:25-11:45 AM	FAMILIARITY AND DISTRACTION AFFECT DRIVERS' RESPONSES TO IN-VEHICLE WARNINGS FOR A HAZARD THAT IS NOT YET VISIBLE (60)	Jim Jenness, Westat
11:45 AM-12:05 PM	IT'S ALL IN THE TIMING: USING THE ATTEND ALGORITHM TO VISUALIZE TEXTING IN THE NEXT NATURALISTIC DRIVING DATABASE (61)	Sean Seaman, Touchstone Evaluations, Inc.
12:05-12:25 PM	Conference Wrap Up	Rockwell Ballroom
11:15 AM – 1:00 PM	Box lunches Available	Manchester Foyer