

**DA2017 DRAFT Schedule**

<b>Monday, June 26</b>		
12:00-6:00 PM	Early Registration	Dorset Room
1:30-6:00 PM	Exhibitor Set up	Manchester & Bennington
6:30-9:00 PM	<b>Welcome Reception</b> <i>Taste of Vermont</i>	Lincoln Gardens (outside)
<b>Tuesday, June 27</b>		
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	<b>Toyota Distinguished Keynote Speaker</b> <i>The Road Ahead for Fully Self-Driving Cars (1)</i> by <b>Ron Medford</b> , Google	Rockwell Ballroom
9:30 AM – 10:00 AM	Break	Manchester & Bennington
10:00 AM – 11:45 AM	<b>Medical Issues in Driving</b> (Lecture Session 1) <b>Session Chair: Alexandra Mueller (2013), Cincinnati Children’s Hospital Medical Center</b>	Rockwell Ballroom
10:00-10:20 AM	DETERMINANTS OF PERFORMANCE ON SPECIFIC ON-ROAD SKILLS IN MULTIPLE SCLEROSIS (2)	<b>Abiodun (Emmanuel) Akinwuntan</b> , Kansas University Medical Center
10:20-10:40 AM	A NEW METHOD FOR ESTIMATING EFFECTS OF VISUAL FIELD LOSS IN A PANORAMIC DRIVING ENVIRONMENT (3)	<b>David Anderson</b> , 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)	<b>Jeff Dawson</b> , 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)	<b>Yoshitomo Orino</b> , 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)	<b>Elizabeth Bair</b> , University of Iowa
11:45-1:15 PM	<b>Honda Luncheon and Outstanding Student Awards</b>	Lincoln Gardens (outside)

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1:30 PM – 3:00 PM	<b>Poster Session A (13)</b>	Manchester & Bennington
	PREFERRED FOLLOWING DISTANCE AND PERFORMANCE IN AN EMERGENCY EVENT WHILE USING COOPERATIVE ADAPTIVE CRUISE CONTROL (7)	<b>Stacy Balk,</b> Leidos
	CAN INFORMATION ABOUT AN APPROACHING BICYCLE'S CHARACTERISTICS INFLUENCE DRIVERS' GAP ACCEPTANCE AND TTA ESTIMATES? (8)	<b>Katja Schleinitz,</b> TU Chemnitz, <i>GERMANY</i>
	TIME TO ARRIVAL ESTIMATES, (PEDESTRIAN) GAP ACCEPTANCE AND THE SIZE ARRIVAL EFFECT (9)	<b>Tibor Petzoldt,</b> TU Dresden, <i>GERMANY</i>
	A PRELIMINARY EXAMINATION OF AGE-RELATED DIFFERENCES IN PERCEIVED COMPLEXITY AT FATAL-CRASH INTERSECTIONS (10)	<b>Timothy Wright,</b> Dunlap and Associates, Inc.
	MODELING OF STIMULUS-RESPONSE SECONDARY TASKS WITH DIFFERENT MODALITIES WHILE DRIVING IN A COMPUTATIONAL COGNITIVE ARCHITECTURE (11)	<b>Heejin Jeong,</b> University of Michigan
	ASSESSING MORAL REASONING, COGNITIVE DISTORTIONS AND DRIVING STYLE IN THE CONTEXT OF POST-LICENSE YOUNG DRIVER COACHING (12)	<b>Erik Roelofs,</b> Cito International, <i>The NETHERLANDS</i>
	HAZARD PERCEPTION TEST (HPT): A PILOT STUDY IN BRAZIL (13)	<b>Egas Caparelli-Daquer,</b> Nervous System Stimulation Laboratory (LabEEL), State University of Rio de Janeiro (UERJ), <i>BRAZIL</i>
	COMPARING METHODS OF DETECTING MIND WANDERING WHILE DRIVING (14)	<b>Daniela Barragan,</b> George Mason University
	EFFECTS OF BEHAVIOR-BASED DRIVER FEEDBACK SYSTEMS ON COMMERCIAL LONG HAUL OPERATOR SAFETY (15)	<b>Anuj Pradhan,</b> 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)	<b>Laura Higgins,</b> Texas A&M Transportation Institute
	CRASH RISK ANALYSIS OF DISTRACTED DRIVING BEHAVIOR: INFLUENCE OF SECONDARY TASK ENGAGEMENT AND DRIVER CHARACTERISTICS (17)	<b>Osama Osman,</b> Louisiana State University

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	TIME SERIES CATEGORIZATION OF DRIVING MANEUVERS USING ACCELERATION SIGNALS (18)	<b>Chris Schwarz,</b> University of Iowa, National Advanced Driving Simulator
	THE RELATION BETWEEN THE DRIVER BEHAVIOR QUESTIONNAIRE, DEMOGRAPHICS, AND DRIVING HISTORY (19)	<b>Birsan Donmez,</b> University of Toronto, CANADA
3:00 – 3:30 PM	Poster Session A Tear Down	Manchester & Bennington
3:30 PM	<b>Intro to Land Rover Experience</b> <i>This is a short instructional presentation for ALL Land Rover participants</i>	Rockwell Ballroom
4:00 – 8:30 PM	<b>Land Rover Experience</b> <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>	Meet drivers/cars outside of Rockwell Ballroom. Your assigned car will take you to the Land Rover Training Facility
<b>Wednesday, June 28</b>		
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	<b>Younger &amp; Older Drivers</b> (Lecture Session 2) <b>Session</b> <b>Chair: Matthew Romoser</b> (2005), Western New England University (invited)	Rockwell Ballroom
8:30-8:50 AM	EFFECTIVENESS OF TRAINING INTERVENTIONS ON THE HAZARD ANTICIPATION FOR YOUNG DRIVERS DIFFERING IN SENSATION SEEKING BEHAVIOR (20)	<b>Tingru Zhang,</b> 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)	<b>Yusuke Yamani,</b> Old Dominion University
9:10-9:30 AM	EVALUATION OF A TRAINING INTERVENTION TO IMPROVE NOVICE DRIVERS' HAZARD MITIGATION BEHAVIOR ON CURVES (22)	<b>Jeffrey Muttart,</b> 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)	<b>Hisham Jashami,</b> Oregon State University
9:50-10:10 AM	EFFECTIVENESS OF VISUAL COLLISION WARNING ALERTS ON YOUNG DRIVERS' LATENT HAZARD ANTICIPATION (24)	<b>Foroogh Hajiseyedi,</b> University of Massachusetts Amherst

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10:15-10:45 AM	Break	Manchester & Bennington
10:45 AM – 12:30 PM	<b>Driver Interface Issues</b> (Lecture Session 3) <b>Session</b> <i>Chair: Bobbie Seppelt, Touchstone, Inc., &amp; MIT (invited)</i>	Rockwell Ballroom
10:45-11:05 AM	VOICE-CONTROLLED IN-VEHICLE SYSTEMS: EFFECTS OF VOICE-RECOGNITION ACCURACY IN THE PRESENCE OF BACKGROUND NOISE (25)	<b>Neil Sokol,</b> University of Toronto, CANADA
11:05-11:25 AM	CONSIDERING SELF-REPORT IN THE INTERPRETATION OF OBJECTIVE PERFORMANCE DATA IN THE COMPARISON OF HMI SYSTEMS (26)	<b>Bruce Mehler,</b> Massachusetts Institute of Technology
11:25-11:45 AM	COMPARISON OF WRAP AROUND SCREENS AND HMDS ON A DRIVER'S RESPONSE TO AN UNEXPECTED PEDESTRIAN CROSSINGS USING SIMULATOR VEHICLE PARAMETERS (27)	<b>Daniella Filio,</b> University of Guelph, CANADA
11:45 AM-12:05 PM	EFFECTS OF IN-VEHICLE MESSAGING ON MENTAL WORKLOAD DURING DRIVING THROUGH WORK ZONES (28)	<b>Curtis Craig,</b> University of Minnesota
12:05-12:25 PM	HUMAN-VEHICLE INTERFACES: THE POWER OF VEHICLE MOVEMENT GESTURES IN HUMAN ROAD USER COORDINATION (29)	<b>Malte Risto,</b> UCSD Design Lab
12:30-1:30 PM	<b>Buffet Luncheon</b>	Lincoln Gardens (outside)
1:30-2:30 PM	<b>Distinguished Keynote Luncheon Speaker</b> <i>Automobile Collisions – A Freudian Approach (John's take on automated cars.....)</i> (30) by <b>John Senders</b>	Rockwell Ballroom
2:30 – 4:00 PM	<b>Poster Session B (13)</b>	Manchester & Bennington
	COMPUTATIONAL MODELING OF DRIVER LATERAL CONTROL ON CURVED ROADS WITH INTEGRATION OF VEHICLE DYNAMICS AND REFERENCE TRAJECTORY TRACKING (31)	<b>Heejin Jeong,</b> University of Michigan
	CALLING WHILE DRIVING: AN INITIAL EXPERIMENT WITH HOLOLENS (32)	<b>Andrew Kun,</b> University of New Hampshire
	PERCEIVING THE ROADWAY IN THE BLINK OF AN EYE – RAPID PERCEPTION OF THE ROAD ENVIRONMENT AND PREDICTION OF EVENTS (33)	<b>Benjamin Wolfe,</b> CSAIL, Massachusetts Institute of Technology

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	EVALUATING FITNESS TO DRIVE IN ELDERLY WITH SUBJECTIVE COGNITIVE DECLINE (34)	<b>Judith Urlings,</b> Hasselt University, <i>BELGIUM</i>
	COMPARING G-FORCE MEASUREMENT BETWEEN A SMARTPHONE APP AND AN IN-VEHICLE ACCELEROMETER (35)	<b>Johnathon Ehsani,</b> Johns Hopkins Bloomberg School of Public Health
	CONSIDERING THE HUMAN ACROSS LEVELS OF AUTOMATION: IMPLICATIONS FOR RELIANCE (36)	<b>Bobbie Seppelt,</b> Touchstone Evaluations, Inc.
	REPLICATING TEST TRACK PROTOCOLS IN A SIMULATOR: WHAT NEEDS TO BE MATCHED? (37)	<b>Timothy Brown,</b> 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)	<b>Richard Young,</b> Driving Safety Consulting, LLC
	HOW COMMON IN-CAR DISTRACTIONS AFFECT DRIVING PERFORMANCE IN SIMPLE AND COMPLEX ROAD ENVIRONMENTS (39)	<b>Robert Nowosielski,</b> University of Guelph, <i>CANADA</i>
	USING SITUATION AWARENESS AS A MEASURE OF DRIVER HAZARD PERCEPTION ABILITY (40)	<b>Atefeh Katrahmani,</b> Western New England University
	A LINK BETWEEN TRUST IN TECHNOLOGY AND GLANCE ALLOCATION IN ON-ROAD DRIVING (41)	<b>Claudia Geitner,</b> University of Warwick, <i>UNITED KINGDOM</i>
	TOWARD AN ANTIPHONY FRAMEWORK FOR DIVIDING TASKS INTO SUBTASKS (42)	<b>Ben D. Sawyer,</b> MIT AgeLab
	ROLE OF PSYCHOLOGICAL EFFECTS OF REAL-TIME TRAVEL INFORMATION PROVISION ON EN ROUTE TRAVELER ROUTE CHOICE DECISIONS (43)	<b>Dongyoon Song</b> 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 <b>Southern VT Art Center</b> (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	<b>Hands on Experience with Master Falconer</b> ( <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)	

**DA2017 DRAFT Schedule**

<b>Thursday, June 29</b>		
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
8:30-10:30 AM	<b>Hybrid Session (14) <i>Session Co-Chairs: Linda Boyle, University of Washington &amp; Birsen Donmez, University of Toronto</i></b>	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)	<b>Elisabeth Schmidt,</b> BMW AG, <i>GERMANY</i>
	SEQUENTIAL IN-VEHICLE GLANCE ANALYSIS OF ATTENTION MAINTENANCE BEHAVIOR FOR TRAINED AND UNTRAINED YOUNG DRIVERS (45)	<b>Pinar Bicaksiz,</b> Old Dominion University
	VEHICLE ACCESSIBILITY: ASSOCIATION WITH NOVICE TEEN DRIVING CONDITIONS (46)	<b>Pnina Gershon,</b> Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health
	TRAINING TO IMPROVE COLLISION DETECTION IN OLDER ADULTS (47)	<b>Carissa Lemon,</b> University of California, Riverside
	EXAMINING THE EFFECTIVENESS OF FORWARD COLLISION WARNINGS FOR DROWSY DRIVERS (48)	<b>John Gaspar,</b> 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)	<b>Oliver Jarosch,</b> BMW Group Research and Technology, <i>GERMANY</i>
	PREDICTORS OF MIND-WANDERING WHILE DRIVING (50)	<b>Heather Rodd,</b> 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)	<b>Philipp Wintersberger,</b> University of Applied Sciences, Ingolstadt, <i>GERMANY</i>
	THE EFFECTS OF GUIDANCE METHOD ON DETECTION AND SCANNING AT INTERSECTIONS – A PILOT STUDY (52)	<b>Steven Savage,</b> Schepens Eye Research Institute, Harvard Medical School
	ARE REAR-END CRASHES CAUSED MAINLY BY AN INTERACTION BETWEEN GLANCE DURATION AND CLOSURE RATE? (53)	<b>Richard Young,</b> Driving Safety Consulting, LLC

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	COMPARISON OF GLANCING BEHAVIORS OF RIDERS AND DRIVERS AT UNSIGNALIZED INTERSECTIONS INVOLVING RIGHT TURNS (54)	<b>Jeff Muttart,</b> Crash Safety Research Center, LLC
	DYNAMIC WORKLOAD FLUCTUATIONS IN DRIVER/NON-DRIVER CONVERSATIONAL DYADS (55)	<b>David Strayer,</b> University of Utah
	HOW DO CHANGES IN THE EXTERNAL ENVIRONMENT AFFECT DRIVING ENGAGEMENT IN AUTOMATED DRIVING? – AN EXPLORATORY STUDY (56)	<b>Heishiro Toyoda,</b> Toyota Motor North America
	EXPLORING DRIVER RESPONSES TO UNEXPECTED AND EXPECTED EVENTS USING PROBABILISTIC TOPIC MODELS (57)	<b>Vindhya Venkatraman,</b> Liberty Mutual Research Institute for Safety
10:30-10:45 AM	Break	Rockwell Foyer
10:45 AM – 12:05 PM	<b>Driver Distraction &amp; Attention</b> (Lecture Session 4) <b>Session</b> <b>Chair: Christian Jerome (2001),</b> <b>NHTSA</b>	Rockwell Ballroom
10:45-11:05 AM	THREATS TO SCIENTIFIC VALIDITY IN TRUCK DRIVER HOURS-OF-SERVICE STUDIES (58)	<b>Ron Knipling,</b> Safety for the Long Haul Inc.
11:05-11:25 AM	MODELING THE EFFECT OF SUBTASK BOUNDARIES ON DRIVER GLANCE BEHAVIOR (59)	<b>Ja Young Lee,</b> 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)	<b>Jim Jenness,</b> Westat
11:45 AM-12:05 PM	IT'S ALL IN THE TIMING: USING THE ATTEND ALGORITHM TO ASSESS TEXTING IN THE NEST NATURALISTIC DRIVING DATABASE (61)	<b>Sean Seaman,</b> Touchstone Evaluations, Inc.
12:05-12:25 PM	<b>Conference Wrap Up</b>	Rockwell Ballroom
11:15 AM – 1:00 PM	<b>Box lunches Available</b>	Manchester Foyer