Road Safety & Simulation International Conference 2019
Day 1 (Monday, 14 October 2019)

Start	End	Session	Duration	Location	
9:00AM	12:00PM	Workshops	3:00	**Workshop 1: Simulation Boot Camp** Location: Benson A&B	**Workshop 2: Automated Vehicles - Mental Models of Vehicle Automation** Location: Wayne C
10:00AM	11:00AM	Break items available		Graduate conference meeting space (any time group would like to break for a few minutes after 10:00AM)	
12:00PM	1:30PM	Lunch	1:30	Graduate conference meeting space	
1:30PM	5:30PM	Tours	4:00	**UI Campus (meet at RSS2019 registration desk area, Graduate hotel)** Location: UI campus Guided by UI staff, buses provided for off-site labs	
5:30PM				Bus begins shuttle service from Graduate hotel to Big Grove Brewery	
6:00PM	10:00PM	Dinner	4:00	**Welcome Reception** Location: Big Grove Brewery 1225 S Gilbert St. Iowa City, IA 52240	

Road Safety & Simulation International Conference 2019
Day 2 (Tuesday, 15 October 2019)

Start	End	Session	Duration	Location
7:30AM	8:30AM	Breakfast Buffet	1:00	Graduate conference meeting space
8:30AM	10:00AM	Welcome & Keynote	1:30	Wayne A&B
10:00AM	10:30AM	Break	0:30	Graduate conference meeting space
10:30AM	12:00PM	Sessions	1:30	

Lectern 1: Vulnerable Road Users
Location: Benson A&B

139	Brain-Based Limitations in Attention and Secondary Task Engagement During High-Fidelity Driving Simulation Among Young Adults Barbara Banz, Jia Wu, Deepa Camenga, Michael Crowley, Linda Mayes and Federico Vaca
140	Relating Recent Binge-Drinking and Frequent Drinking Symptoms to Neural Responses of Secondary Task Engagement in Driving Simulation in a Young Adult Population Barbara Banz, Jia Wu, Deepa Camenga, Michael Crowley, Linda Mayes and Federico Vaca
137	Licensure Outcome and Screening Tests during Review of Older Driver Fitness-to-drive Jonathan Davis, Cara Hamann, Brandon Butcher and Corinne Peek-Asa
130	Development of a non-motorized traffic monitoring program to inform policy and prevention efforts Steven Spears, Cara Hamann and Fernando de Carvalho Oliveira Neto

Lectern 2: Automated Vehicles
Location: Wayne D

159	Automated Vehicles in Urban Traffic: The Effects of Kinematics and eHMI on Pedestrian Crossing Behavior Andre Dietrich, Michael Tondera and Klaus Bengler
18	Should I cross? Evaluating display options for autonomous vehicle and pedestrian interaction Shuchisnigdha Deb, Lesley Strawderman and Daniel Carruth
99	Interactions with automated vehicles: The effect of drivers' attentiveness and presence on pedestrians' road crossing behavior J. Pablo Nuñez Velasco, Yee Mun Lee, Jim Uttley, Albert Solernou, Haneen Farah, Bart Van Arem, Marjan Hagenzieker and Natasha Merat

Lectern 3: Roadway Infrastructure
Location: Hoak

195	Safety Effectiveness of All-Electronic Toll Collection Systems Meghna Chakraborty, Mehrnaz Ghamami, Timothy Gates and Steven Stapleton
213	Increasing traffic flow efficiency at signalized intersections: a driving simulator study Qinaat Hussain, Wael Alhajyaseen, Kris Brijs, Ali Pirdavani and Tom Brijs
221	Comparison of Safety Effectiveness between Passing lanes and Conversion to the Four-Lane Divided Highway on Rural Low Volume Two-Lane Two-Way Highways Irfan Ahmed and Mohamed Ahmed

Panel Session 1
Location: Wayne C

Using Driving Simulators to Examine User Interactions with Infrastructure Elements
Sue Chrysler, Anuj Pradhan, Alexandra Kondyli, Stacy Balk, Richard Romano, David Hurwitz

Start	End	Session	Duration	Location
12:00PM	1:30PM	Lunch	1:30	Wayne A&B
1:30PM	3:00PM	Sessions	1:30	

Lectern 4: Connected Vehicles
Location: Benson A&B

88	Analysis, Modeling and Simulation Framework for Performance Evaluation of the Wyoming Connected Vehicle Pilot Deployment Program Guangchuan Yang and Mohamed Ahmed
222	Operational Evaluation of Effectiveness of Connected Vehicle Smartphone Technology on Improving Driving Safety: Field Test Cecilia Kadeha, Festo Mjogolo, Mike Soloka and Thobias Sando
223	Operational Evaluation of Effectiveness of Connected Vehicle Smartphone Technology on a Signalized Corridor: Field Test Festo Mjogolo, Cecilia Kadeha and Thobias Sando

Lectern 5: Automated Vehicles
Location: Wayne D

72	The Impact of Vehicle Adaptive Headlamp Systems on Nighttime Bicyclist Safety Lakshmi Devi Subramanian, Elizabeth O'Neal, Jodie M. Plumert, Joseph Kearney and Rini Sherony
110	Using objective parameters as surrogate measures for Road Safety Audits David Llopis Castelló, Francisco Javier Camacho Torregrosa and Alfredo García

Lectern 6: Roadway Infrastructure
Location: Hoak

220	DO DRIVERS CORRECTLY INTERPRET THE SOLID CIRCULAR GREEN FROM AN EXCLUSIVE RIGHT-TURN BAY? Hisham Jashami, David Hurwitz, Christopher Monsere and Sirisha Kothuri
69	Cost-effective Safety Improvements and Crash Modification Factors for County Roads Thomas Hall, Andrew Tarko and Mario Romero
118	Modeling Crash Risk at Horizontal Curves on Low-volume Highways Qingyu Ma, Hong Yang, Zhenyu Wang, Kun Xie and Fan Zuo

Panel Session 2
Location: Wayne C

Less-Discussed Areas of Safety Among Vulnerable Road Users: Implications for Emerging and Future Research
Federico Vaca, Panagiotis Papantoniou, Chiara Ferrante, Barbara Banz

Start	End	Session	Duration	Location
3:00PM	3:30PM	Break	0:30	Graduate conference meeting space
3:30PM	5:00PM	Poster & Panel Sessions	1:30	

Poster Session 1
Location: Wayne A&B

Panel Session 3
Location: Benson A&B

Preparing Infrastructure for higher levels of vehicle autonomy
Neal Hawkins, Anuj Sharma, Skylar Knickerbocker, Tina Greenfield

Panel Session 4
Location: Hoak

Infrastructure design for bicyclists and pedestrians
Michael Knodler, Cadell Chand, David Hurwitz, Tara Goddard

Road Safety & Simulation International Conference 2019
Day 3 (Wednesday, 16 October 2019)

Start	End	Session	Duration	Location
7:30AM	8:30AM	Breakfast Buffet	1:00	Graduate conference meeting space
8:30AM	10:00AM	Poster & Panel Sessions	1:30	**Poster Session 2** Location: Wayne A&B **Panel Session 5** Location: Benson A&B **Using Simulators in Driving Research** Fabrizio D'Amico, Richard Romano, Panagiotis Papantoniou, Omar Ahmad, Michael Knodler
10:00AM	10:30AM	Break	0:30	Graduate conference meeting space
10:30AM	12:00PM	Keynote	1:30	Wayne A&B
12:00PM	1:30PM	Lunch	1:30	Wayne A&B
1:30PM	3:00PM	Sessions	1:30	**Lectern 7: Roadway Infrastructure** Location: Benson A&B 33 Exploring the Impacts of Intersection and Traffic Characteristics on the Frequency and Severity of Bicycle-Vehicle Conflicts Brendan Russo, Sirisha Kothuri, Edward Smaglik, Cristopher Aguilar, Emmanuel James, Nolan Levenson and Peter Koonce 50 Can structural equation models assess overall driving performance in driving simulator experiments? Panagiotis Papantoniou, George Yannis, Constantinos Antoniou and Dimosthenis Pavlou 173 A Cross-Sectional Comparison of the Safety Performance of Roundabouts versus Intersections with Other Types of Traffic Control Qiuqi Cai, Bryce Hallmark, Shaodong Wang, Nusayba Megat-Johari, Megat-Usamah Megat-Johari, Timothy Barrette, Trevor Kirsch and Peter Savolainen **Panel Session 6** Location: Wayne C **VR \ AR for Road Safety Research Panel** Jason Williams, Brian Philips, Donald Fisher, Stacy Balk Joseph Kearney, Vijay Kalivarapu
3:00PM	3:30PM	Break	0:30	Graduate conference meeting space
3:30PM	5:00PM	Sessions	1:30	**Lectern 8: Connected Vehicles** Location: Hoak 21 Evaluating the Effectiveness of P2V Connected Vehicle Technologies in a Driving Simulator Morgan Morris, Yina Wu, Lishengsa Yue and Mohamed Abdel-Aty 103 Effectiveness evaluation of in-vehicle warning system under reduced visibility conditions: a driving simulation study Chiara Ferrante, Samyajit Basu and Maria Rosaria De Blasiis 158 Evaluation of Vehicle-Pedestrian Interactions at Right Turns with FYA Kelvin Santiago-Chaparro, Madhav Chitturi, Andrea Bill and David Noyce **Lectern 9: Automated Vehicles** Location: Wayne C 142 Exploring the Perceived Safety of Autonomous Vehicles from a Road Users Perspective V. Dimitra Pyrialakou, Christos Gkartzonikas, Drew Gatlin and Konstantina Gkritza 124 Effect of driver mental model on ADAS effectiveness: a driving simulator case study Riccardo Rossi, Massimiliano Gastaldi, Francesco Biondi, Federico Orsini, Giulia De Cet and Claudio Mulatti 7 The effects of ACC headway time configuration on drivers' overtaking tendency in a driving simulator Rotem Duffney, Avinoam Borowsky, Hillel Bar-Gera and Israel Parmet **Lectern 10: Vulnerable Road Users** Location: Benson A&B 128 Simulator Study on the Effects of Adaptive Headlamp Features on Driver Responses to Pedestrians and Bicyclists Chris Schwarz, Timothy Brown and Rini Sherony 75 How different are children diagnosed with Attention Deficit Hyperactivity Disorder at crossing the road? Zahra Tabibi, Hamid Zolfaghari, David Schwebel, Joan Severson and Yefei He 77 Bicycle daytime running lights, bicyclist comfort, and vehicle lateral passing distances Cara Hamann, Steven Spears, Henna McCoy, Zoe Horak, Archana Venkatachalapathy and Anuj Sharma
5:00PM	5:30PM	Break	0:30	
5:15PM	5:45PM	Load Buses	0:30	Buses begin departing from Graduate hotel to Little Lights on the Lane (last bus to depart at 5:45PM)
6:00PM	10:00PM	Dinner	4:00	**Gala Dinner** Location: Little Lights on the Lane 2 Ember Lane, West Branch, IA 52358

Road Safety & Simulation International Conference 2019
Day 4 (Thursday, 17 October 2019)

Start	End	Session	Duration	Location
7:30AM	8:30AM	Breakfast Buffet	1:00	Graduate conference meeting space
8:30AM	10:00AM	Sessions	1:30	

Lectern 11: Connected Vehicles
Location: Benson A&B

191	Microscopic Simulation based study of Pedestrian Safety Applications at Signalized Urban Crossings in a Connected-Autonomous Vehicle Environment and Reinforcement Learning based Optimization of Vehicle Decisions Fan Zuo, Kaan Ozbay, Abdullah Kurkcu, Jingqin Gao, Hong Yangand Kun Xie
160	Development of a New Safety Performance Measure – Risk Status: Fusing Crash Data and Surrogates Derived from Connected Vehicle Data Analytics Di Yang, Kun Xie, Kaan Ozbay and Hong Yang
54	Evaluating the Predictive Power of a Safety Performance Function Using Random Parameters Houjun Tang, Vikash Gayah and Eric Donnell

Lectern 12: Simulation
Location: Wayne C

164	Characterizing Instabilities Induced by a Four Degree-of-Freedom All-Terrain Vehicle Simulator John Michael, Charles Jennissen, Gerene Denning and Salam Rahmatalla
199	Sensing Simulation for the Virtual Testing of Autonomous Vehicle Safety and Performance Asher Elmquist, Dylan Hatch, Radu Serban, David Noyce and Dan Negrut
119	Pedestrian Behavior in Virtual Reality: Effects of Gamification and Distraction Sonja Schneider, Madeleine Ratter and Klaus Bengler

Lectern 13: Law/Other
Location: Hoak

168	Should Law Subsidize Driving? Gregory Shill
34	Development of Trooper Spatial/Crash Database to Quantify Enforcement Countermeasures Osama Abaza, Muhammad Saif Uddin, and Utpal Dulta
172	Identification of Risk Factors Affecting Crash Frequency and Severity on Horizontal Curves along High-Speed Divided Highways Amrita Goswamy, Mehrdad Morshedi Shahrebabaki, Timothy Barrette, Peter Savolainen, Shauna Hallmark and Michael Pawlovich

Start	End	Session	Duration	Location
10:00AM	10:30AM	Break	0:30	Graduate conference meeting space
10:30AM	12:00PM	Keynote	1:30	Wayne A&B
12:00PM	1:30PM	Lunch	1:30	Wayne A&B
1:30PM	3:00PM	Sessions	1:30	

Lectern 14: Roadway Infrastructure
Location: Benson A&B

125	Transferability and seasonality in extreme value theory applications to road safety: a case study in an Italian motorway Federico Orsini, Gregorio Gecchele, Massimiliano Gastaldi and Riccardo Rossi
171	Incident Detection by Speed Distribution Pattern: Towards Realizing the Incident Heterogeneity in Detection Dong Pan, Wei Zhang, Samer Hamdar and Chenhui Liu

Lectern 15: Distributed Simulation
Location: Wayne C

127	A Distributed Simulation Architecture for Intermodal Safety Research Wanxin Wang, Soumyajit Chakraborty, David Heitbrink, Chris Schwarz, Joe Kearney and Stephen Baek
42	Multi-modal Distributed Simulation Combining Cars and Pedestrians Yuanuan Jiang, Kelvin Santiago-Chaparro, Soumyajit Chakrabortyand Joseph Kearney
45	Developing A Cost-Effective and Need-Specific Simulation Training Platform for Snowplow Drivers Adekunle Adebisi, Jiaqi Ma, Julian Wang and Niloufar Kioumarsi

Lectern 16: Naturalistic Driving Studies
Location: Hoak

70	Estimating the Expected Number of Crashes with Traffic Conflicts Observed in Naturalistic Driving Studies Andrew Tarko and Cristhian Lizarazo
81	Analysis of Human Driver Lane Change Behavior Based on Naturalistic Driving Data Sehwan Kim, Junmin Wang, Dennis A. Guenther, Gary J. Heydinger and Bingrui Jia
129	A Naturalistic Data Driven Study Assessing the Impact of Daytime Running Lights on Cyclists' Stress Archana Venkatachalapathy, Anuj Sharma, Elizabeth Shirtcliff, Chinmay Hegde, Cara Hamann and Steven Spears

Start	End	Session	Duration	Location
3:00PM	3:30PM	Break	0:30	Graduate conference meeting space
3:30PM	5:00PM	Poster Session	1:30	

Poster Session 3
Location: Wayne A&B

Road Safety & Simulation International Conference 2019
Posters

Poster Session 1
Tuesday, 15 October 2019, 3:30-5:00PM

24	A simulator study on the impact of driver distraction due to drones based on prior experiences and perspectives of drones	Alyssa Ryan, Cole Fitzpatrick, Michael Knodler and Eleni Christofa
43	AN EVALUATION OF DOOR ZONE COLLISIONS BETWEEN BICYCLES AND VEHICLES	Cadell Chand and David Hurwitz
113	Developmental Trajectories of Adolescent Engagement in Riding With an Impaired Driver / Driving While Impaired With Associated Health, Employment and Education	Federico Vaca, Kaigang Li, Deepa Camenga, Barbara Banz, Niyousha Hosseinichimeh, Leslie Curry, Linda Mayes, Ronald Iannotti, James Dziura, Denise Haynie and Bruce Simons-Morton
10	A review of the interaction between Autonomous Vehicles and Vulnerable Road Users	Apostolos Ziakopoulos, Tova Rosenbloom, Dimosthenis Pavlou and George Yannis
29	Estimation of Driver's Readiness for Take-over Based on Visual Distractions Detection	Qingkun Li, Lian Hou, Ali Muhammad Hadi, Ying Zou, Wenjun Wang, Shuguang Li, Quan Yuan and Bo Cheng
178	Investigating the effects of roadside cover on safe speeds for autonomous driving in high-risk deer-vehicle collision areas	Joaquin Font and Alexander Brown
15	Methodology for upgrading existing, accident-prone, rural highways with the help of driving simulation	Wolfgang Kühn
74	A NEW METHODOLOGY FOR ESTIMATING SAFETY RISK AT HIGHWAY RAIL GRADE CROSSINGS	Jacob Mathew and Rahim Benekohal
40	Estimation of Crash Modification Factors with Cross-Section Data: An Investigation Using a Simulated Artificial Realistic Dataset	Bo Lan and Raghavan Srinivasan
27	A Detailed Investigation of Driver Performance in Rural Two-Lane Roads with Varying Horiztonal and Vertical Curvature	Raghavan Srinivasan, Bo Lan, Daniel Carter and Kari Signor
56	Assessing the Influence of Lead Trucks on Driver's Perception and Response using a Driving Simulator	Umair Durrani and Chris Lee
61	Association of Expressed Driving Anger with Driving Performance combining Simulator and Survey Data	Orestis Gavalas, Panagiotis Papantoniou, George Yannis and Eleonora
102	Evaluation of the effects of fatigue on driving performances: a driving simulator study	Chiara Ferrante, Samyajit Basu, Susanna Seri and Maria Rosaria De Blasiis
52	To which extent the driving behavior of older drivers with neurological diseases affecting cognition is different after an unexpected incident?	Dimosthenis Pavlou, Panagiotis Papantoniou, George Yannis and Sokratis Papageorgiou
53	Does driving at night affect the driving performance of young drivers? A driving simulator study.	Dimosthenis Pavlou, Eleftheria Kyriakouli, George Yannis and Panagiotis Papantoniou
126	Older Drivers' Experiences with Autonomous Vehicle Technology	Sherrilene Classen, Justin Mason, James Wersal and Virginia Sisiopiku
193	Quantifying the Safety Benefits of Dynamic Message Signs (DMSs) on Florida Freeways	Cecilia Kadeha, Angela Kitali and Priyanka Alluri Alluri
210	Simulator Evaluation of an Intersection Maneuver Assist System with Connected and Automated Technologies	Anuj Pradhan and Heejin Jeong
14	Incorporating Biobehavioral Architecture into Car-Following Models	Vishal Kummetha, Alexandra Kondyli, Lila Chrysikou, and Steven Schrock

Poster Session 2
Wednesday, 16 October 2019, 8:30-10:00AM

112	Comparison of HMD and CAVE pedestrian simulators	Viola Cavallo, Nguyen-Thong Dang, Prashant Pala, Marie-Axelle Granié, Sonja Schneider, Philipp Maruhn and Klaus Bengler
39	A driving simulator study for evaluating driving performance during car-following manoeuvre after a transition from automated to manual control	Fabrizio D'Amico, Alessandro Calvi, Chiara Ferrante, Luca Bianchini Ciampoli and Andrea Benedetto
156	Simulation of the Impact of Connected and Autonomous Vehicles at a Signalized Intersection	Hamad Almobayedh, Deogratias Eustace and Philip Appiah-Kubi
104	Comparison of accident prediction models for predicting accident risks on an Italian two lane two-way rural highway	Samyajit Basu, Chiara Ferrante and Maria Rosaria De Blasiis
155	Integration and Verification of a Low-Cost Haptic Anti-Lock Braking System in a Driving Simulator	Vishal Kummetha, Alexandra Kondyli, Thomas DeAgostino, Christopher Depcik, Michelle Johnson, Yilin Li, Aaron Pope, Andrea Subirana and Thomas Woodruff
169	Traffic Conflict Pattern Analysis under Limited Visibility Condition Using Computer Simulation	Binya Zhang and Essam Radwan
44	A Microsimulation based Study to Improve Traffic Safety in School Zones	Md Hasibur Rahman, Mohamed Abdel-Aty, Jaeyoung Lee and Md Sharikur
134	The effect of simulator fidelity on driving performance in intersection crash scenarios	Timothy Brown, Dawn Marshall and Larry Huang
123	Effect of data window statistical analysis on driver performance	Tim Brown, Chis Schwarz and Alec LaVelle
131	Developing Differential Variable Speed Limits for Car and Truck on Freeways	Anas Abdulghani and Chris Lee
151	On the Deep Posture Estimation Methods for In-Vehicle Monitoring	Sehyun Chun, Nima Hamidi Ghalehjegh, Christopher Mitropoulos-Rundus, Daniel McGehee and Stephen Baek
84	Ethical Dilemmas in Autonomous Vehicles: A Review of Literature and Direction for Future Research	Soheil Sohrabi, Farinoush Sharifi, Mark Burris and Dominique Lord
117	Fast road scenario generation for Road Safety Assessment	Juan Francisco Dols Ruiz, Jaime Molina Pardo, Francisco Javier Camacho
174	Using driver model in driving simulator for investigating factors on the occurrence of road traffic accidents	Ana Paula C. Larocca, Maria Izabel Santos and Paulo Tadeu O. M.E Silva
202	ARE THE BENEFITS OF ADJUSTMENT FACTORS FOR SAFETY PERFORMANCE FUNCTIONS WORTH THE COST?	Riana Tanzen, Eric Green, Reginald Souleyrette and William Staats
59	Experimental Analysis of Users' Interaction with Automation in Malfunction Scenarios: A Driving Simulator Study	Haggai Davis, Paul Kornyoh, Osama Osman, Peter Bakhit and Divya Kolasani

Poster Session 3
Thursday, 17 October 2019, 3:30-5:00PM

135	Factors that Contribute to Delay in Driving Licensure Among U.S. High School Students and Young Adults	Federico Vaca, Kaigang Li, James Fell, Denise Haynie, Bruce Simons-Morton and Eduardo Romano
177	Real-Time Weather Detection System with Local Binary Pattern based Features using Artificial Neural Network and Random Forest: An Unsupervised Learning Approach	Md Nasim Khan, Anik Das, Ali Ghasemzadeh and Mohamed Ahmed
25	SAFETY AND DESIGN ANALYSES OF MANAGED TOLL AND CONNECTED VEHICLES' LANES	Moatz Saad, Mohamed Abdel-Aty, Yina Wu and Md Sharikur Rahman
175	Structural Equation Modeling Approach for Investigating Driver Behavior in Adverse Weather Conditions using Trajectory-level SHRP2 Naturalistic Driving Data	Anik Das, Md Nasim Khan, Mohamed Ahmed, Ali Ghasemzadeh and Sherif Gaweesh
176	Does the existence and configuration of protected intersections affect bicycle safety at intersections? A driving simulator approach.	Aikaterini Deliali, Nicholas Campbell, Michael Knodler and Eleni Christofa
196	Evaluation of Driver Performance and Safety Countermeasures for Schools Located in an Urban Arterial Highway Using a Driving Simulator	Didier Valdes, Alberto Figueroa, Benjamin Colucci, Maria Rojas and Enid Colon
200	Evaluation of Horizontal Curve Parameters and Bicycle Speed on Jerk using an ADAMS Simulation Model	Abul Mazumder, Upul Attanayake and Mitchel Keil
152	Safety Evaluation of Connected Vehicle Technology in a Rural Freeway Work zone during Fog Weather Conditions using Microsimulation	Eric Adomah, Mohamed Ahmed and Guangchuan Yang
185	Predicting behavior of professional drivers while text-reading using cluster modeling	Panos D. Prevedouros, Eftihia Nathanail, Md. Mintu Miah and Rafaela De Melo
57	Influence of Autonomous Vehicles on Freeway Traffic Performance for Oversaturated Traffic Conditions	Osama Elsahly and Akmal Abdelfatah
60	Impact of Three-dimensional Geometric Properties of Highway Alignments on Driving Stability	Ting Ge, Xuesong Wang and Xinsha Fu
186	Understanding moral dilemmas in manual versus automated driving	Apurva Misra, Surya Sarada Neti and Siby Samuel
114	Design and Initial Evaluation of the HIKER Pedestrian Simulator	Richard Romano, Natasha Merat, Richard Wilkie, Yee Mun Lee and Albert Solernou

Keynote – Tuesday, 15 October 2019
Road User Relationships and Interactions

Dr. C.Y. David Yang
AAA Foundation for Traffic Safety
Dr. C. Y. David Yang became the AAA Foundation for Traffic Safety's executive director in October 2016. Previously, he worked for the U.S. Department of Transportation and private consulting firms. Dr. Yang has co-authored numerous peer-reviewed journal articles, conference papers and government reports on many transportation topics. He is an associate editor for the *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations* and serves on the editorial board of the *International Journal of Transportation Science and Technology*. Previously, he served as the chair of Transportation Research Board's Users Performance Section. Dr. Yang attended Purdue University and received his Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in the field of civil engineering.

Keynote – Wednesday, 16 October 2019
Envisioning the Future of Transportation

Dr. John D. Lee
University of Wisconsin-Madison
Dr. John D. Lee is the Emerson Electric professor in the Department of Industrial and Systems Engineering and the University of Wisconsin-Madison and director of the Cognitive Systems Laboratory. His research focuses on the safety and acceptance of complex human-machine systems by considering how technology mediates attention. He is a coauthor of the textbook, An Introduction to Human Factors Engineering, and he recently helped to edit The Oxford Handbook of Cognitive Engineering, The Handbook of Driving Simulation, and two books on driver distraction.

Keynote – Thursday, 17 October 2019
Simulation Past, Present, & Future

Dr. Richard Romano
University of Leeds Institute for Transport Studies
Dr. Rich Romano has more than 25 year's experience developing and testing AVs and ADAS concepts and systems using operator in the loop, hardware in the loop, and software in the loop simulation methods which began with the Automated Highway Systems (AHS) project when he directed the Iowa Driving Simulator in the early 1990s. His key research interests include the development, validation, and application of transport simulation to support the human-centered design of vehicles and infrastructure. He is currently the Chair in Driving Simulation at the University of Leeds Institute for Transport Studies.

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