



10th Annual International Conference on Urban Traffic Safety

Speaker Bios

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James C. Fell



James C. Fell is currently a Principal Research Scientist with the National Opinion Research Center (NORC) at the University of Chicago in the Bethesda, Maryland office. From 2001 to 2015 he was a Senior Research Scientist at the Pacific Institute for Research & Evaluation (PIRE) in Calverton, Maryland. Before that, Mr. Fell worked at the National Highway Traffic Safety Administration (NHTSA) from 1969 to 1999 and has 50 years of traffic safety and alcohol policy research experience.

He has completed research on the effectiveness of graduated driver licensing laws under a grant from the National Institute of Child Health and Human Development (NICHD), on the potential effectiveness of lowering the blood alcohol concentration (BAC) limit for driving from .08 to .05 grams per deciliter, on enforcement intensity measures and impaired driving on the roads, and on the effectiveness of underage alcohol policies for the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and studies on responsible beverage service, alcohol ignition interlock laws, high visibility enforcement and alcohol monitoring devices on impaired driving offenders for the National Highway Traffic Safety Administration.

James Fell has authored over 150 publications in book chapters, scientific journals and conference proceedings. He has both a Bachelor's and Master's degree in Human Factors Engineering from the State University of New York at Buffalo. He is a long-time member (since 1969), a past-president (1988), Board of Directors (1974-76; 1982-84; 2009-2011), Scientific Program Chairman (1976), Membership Chairman (1981), Treasurer (1985-86); Fellow (1994); three-time Best Scientific Paper award winner (1979, 1983 and 2010) and recipient in 2016 of the Donald F. Huelke Lifetime Membership Award from the Association for the Advancement of Automotive Medicine (AAAM). Mr. Fell is currently Secretary and the 2013 recipient of the Widmark Award from the International Council on Alcohol, Drugs, and Traffic Safety (ICADTS), and a member of the Research Society on Alcoholism (RSA), the Society for Prevention Research (SPR) and the Human Factors and Ergonomics Society (HFES). In 2015, Mr. Fell received the James J. Howard Highway Safety Trailblazer Award from the Governors Highway Safety Association (GHSA) for sustained outstanding leadership in endeavors that significantly improve highway safety and the Kevin Quinlan Advocacy Award from the Maryland Highway Safety Office.



Wendy Weijermars



Wendy Weijermars (1977) is a senior researcher at SWOV Institute for road safety research (www.swov.nl) in the Netherlands. She holds a Dr. degree in Civil Engineering and joined SWOV in 2007. As a project manager, Wendy is responsible for projects related to road safety monitoring and road safety forecasting. She is also very interested in serious road injuries and the health impacts of these injuries.

She was member of the steering committee of the EU H2020 project SafetyCube (<https://www.safetycube-project.eu/>) and led the Workpackage that was dedicated to serious road injuries. The main aim of the SafetyCube project was to develop an innovative road safety Decision Support System (DSS) that enables policy-makers and stakeholders to select and implement the most appropriate strategies, measures and cost-effective approaches to reduce casualties of all road user types and all severities in Europe and worldwide.

Wendy has also been involved in projects related to the Safe System Approach and was part of the editorial group of the OECD report 'Zero Road Deaths and Serious Injuries; Leading a Paradigm Shift to a Safe System'.



Eric J. Fitzsimmons



Fitzsimmons’ research interests include highway safety and operations in both rural and urban environments. His research has been funded by state departments of transportation, the Federal Highway Administration, NCHRP and university transportation centers. Some examples of research Fitzsimmons has conduct or in progress include: development and analysis of vehicle trajectory along horizontal curves, wrong-way driving crashes, usRAP demonstration in Kansas, traffic calming applications, micro-simulation of access management, automated enforcement, work zone applications including temporary traffic signals and transportation management plan (TMP) strategies, vehicle data collection, big data applications in highway operations, railroad engineering, and engineering education.

His research focuses on highway safety and operations (urban and rural), vehicle data collection and reduction strategies, work zone safety, micro-simulation, automated enforcement applications, highway geometrics including horizontal curves, access management, signalized intersection safety, sustainability, vehicle tracking applications, railroad and transportation engineering education.

He has authored and/or co-authored 15 journal papers, 26 research reports and over 30 conference manuscripts, and holds one patent pending of a self-deicing traffic signal he co-invented with two of his colleagues at the University of Kansas. Fitzsimmons is highly active in professional activities and is an associate member of American Society of Civil Engineers, a member of the Institute of Transportation Engineers and a member of the American Society of Engineering Education. Dr. Fitzsimmons currently serves as a member of multiple Transportation Research Board standing committees including: Operational Effects of Geometrics (AHB65), Access Management (AHB70) and Traffic Law Enforcement (ANB40).



Deanna Singhal



Deanna Singhal received her PhD in Brain, Behaviour, and Cognitive Science from York University and is currently a full-time faculty member in the Department of Psychology at the University of Alberta. From 2003 to 2007, Deanna was a Research Associate with the Traffic Injury Research Foundation in Ottawa, where she was involved in projects such as the evaluation of young drivers' involvement in collisions, deterrent effects of short-term roadside suspension for impaired drivers, effects of drugs on driving, and various assessment measures of knowledge, skills, and hazard perception in teen drivers.

Prior to her faculty appointment, Deanna was a senior clinical analyst with Alberta Health Services, working with two clinical networks; Bone and Joint Health, and Cardiovascular Health and Stroke. She supported the data and analytical needs of physicians, nurses, researchers, and administrators in the

process of determining and implementing best practices for care pathways within these specific areas of the healthcare system.

Deanna is an award winning teacher and, over the last 20 years, has taught in multiple departments at York University, Western University, Grant MacEwan University, and the University of Alberta. Her primary teaching areas have been Introductory Psychology, Health Psychology, Statistics, Brain and Behaviour, and Human Neuropsychology.



Damien Vivet



Dr. Damien Vivet is a researcher in multimodal exteroceptive perception for autonomous navigation. He is based in ISAE-SUPAERO, Electronic Optronics and Signal Department (DEOS), Toulouse, France.

He received in 2008 both the Engineering and Master of science degree in Electrical Engineering and Vision for Robotics and obtained his PhD in 2011 on Autonomous navigation and more precisely on Simultaneous Localization and Mapping with Detection and Tracking of Mobile objects (SLAM-DATMO) using a panoramic radar sensor from Blaise Pascal University, Clermont-Ferrand, France .

His research interests include signal and image processing in the context of exteroceptive perception and scene understanding for autonomous navigation. Until now, he applied his research on autonomous navigation and traffic analysis, including traffic monitoring, vehicle positioning, event detection, road infrastructure detection and

localization and mapping.

Furthermore, he managed several local and national research projects on autonomous navigation for both UAV and UGV and collaborated with industrial partners of the French road mobility sector.



Jenny Wester



Jenny joined the Swedish Police Authority exactly twenty years ago. In the year of 2011 she began her career as a traffic police and worked on the roads as highway patrol. Today she is the head of the traffic police in Police Region West. The specialized traffic police in Sweden is responsible for the control and inspection on road of heavy vehicle, but has also the role as regional motor to drive and develop the traffic surveillance of the local police district, as speed check, belt control and drunk driving.

Jenny is involved in the implementation of the new Swedish traffic strategy in national, regional as well as local level. She has a strong passion for Vision Zero and is deeply involved in the work to develop the Swedish Polices methods to reach the strategic and long-time vision – No one should get injured or die in traffic accidents in the world, nothing greater than zero is acceptable.



Anders Lie



Anders Lie is specialist in traffic safety working for the Swedish Transport Administration. He has held his position there since 1995. He has a PhD in Epidemiology from Karolinska Institute in Sweden. Anders Lie has been an active partner in the development of the Vision Zero.

From the start he has been representing Sweden as a board member in the Euro NCAP crash test co-operation. Anders Lie has been active in the development of a Management System Standard for Traffic Safety (ISO 39000). Anders Lie is appointed as a part time adjunct professor at Chalmers University of Technology.



Belén Riveiro



Belén Riveiro was born in Pontevedra (Spain) in 1983. Since 2012 she is an Associate Professor at the Department of Materials Engineering, Applied Mechanics and Construction at the University of Vigo (Spain). She holds a MSc in Construction Engineering (2015), MEng in Forestry Engineering (2006) and a PhD in Environmental Engineering (2011).

She has been an Associate Professor in Geomatics at Newcastle University (UK) in 2011, and was a postdoctoral research fellow at the University of Minho (2012 and 2014), the University of Cambridge (2015) and at Delft University of Technology (2016).

Her research is focused on the application of remote sensing technologies in structural engineering for the automated modelling, inspection and material characterization using inverse analysis procedures. At a larger scale, she uses LiDAR for the modelling of terrestrial transport

infrastructure and urban spaces.

She has been principal Investigator in several research and innovation projects (national level) and coordinator of an European action focused on the resilience of transport infrastructure to extreme events (within the H2020 Framework Program). She has published more than 70 research papers in SCI-JCR journals (h-index 17), and more than 50 communications to international conferences. She is co-author of 7 patents and has supervised 6 PhD thesis. She is the Secretary of the ISPRS WGII/10 3D Mapping for Environmental & Infrastructure Monitoring for the period 2016-2020 and technical representative of the University of Vigo in the Open Geospatial Consortium (OGC). In 2017 she was awarded by the Spanish Royal Academy of Engineering with a medal of the Juan López de Peñalver Prize within the Awards for Young Researchers.



Panagiotis Papantoniou



Dr. Panagiotis Papantoniou is Civil Transportation Engineer, research associate at the Department of Transportation Planning and Engineering at the School of Civil Engineering of the National Technical University of Athens and Visiting Lecturer at the School of Civil Engineering of University of Patras.

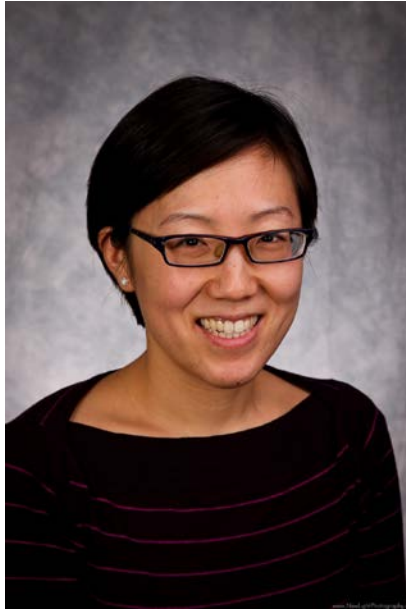
He has 9 years of research experience in traffic engineering and road safety with emphasis on human factors, road user behaviour and data analysis, has participated in 15 research projects and has published 17 papers in scientific journals and 43 conference papers with full paper review. He is also member of several scientific organizations and committees, reviewer of papers to be published in scientific journals and conferences and member of the organizing committee of several international conferences.

He is also elected member of the Technical Chamber of Greece and special secretary of Hellenic Institute of Transportation Engineers. He has received 12 Greek and International scientific awards, including the “European Friedrich-List- Prize” regarding the best doctoral dissertation in Europe in Transport for 2015 and the Seal of Excellence Certificate delivered by the European Commission, under the Horizon 2020’s Marie Skłodowska-Curie action.

www.nrso.ntua.gr/ppapant



Amy M. Kim



Amy M. Kim, Ph.D., P.Eng. is Associate Professor of Transportation Engineering in the Department of Civil & Environmental Engineering at the University of Alberta. Her main areas of research is transportation systems analysis, with a focus on long-distance multi-modal transportation networks, resource allocation problems, and aviation operations. She is investigating the impacts of climate change on northern/Arctic transportation systems, and the impacts of transportation network characteristics on emergency evacuation and community vulnerability in disasters.

In the urban setting she has worked with cycling data and mobile photo enforcement program scheduling. She received her M.Sc. and Ph.D. from the University of California, Berkeley and her B.A.Sc. from the University of Waterloo in Canada. Prior to her doctoral studies, she worked in the transportation engineering and planning practice in both the U.S. and Canada, focusing on operational studies supporting large highway planning projects.



Keshia Pollack Porter



Keshia Pollack Porter, PhD, MPH, is a Professor in the Department of Health Policy and Management at the Johns Hopkins Bloomberg School of Public Health where she directs the Institute for Health and Social Policy and is the Associate Director of Training and Education for the Johns Hopkins Center for Injury Research and Policy.

Dr. Pollack Porter is an injury epidemiologist whose research advances policies that create safe and healthy environments where people live, work, play, and travel. Her ongoing research includes reducing injuries at work and during sports, promoting safe places for children to play, studying the nexus of transportation policy and health, and creating safe, healthy, and equitable built environments.

