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SEMINAR

ITE York University Student Chapter September Seminar: Transportation Safety

In partnership with the Lassonde Department of Civil Engineering

Tuesday, September 18th, 2018 at 3:00 PM – 4:30 PM
125 Bergeron Centre for Engineering Excellence

Attendees must RSVP through our website: ite.club.yorku.ca/events/

Road Safety from a Public Health Perspective

Dr. Sarah Richmond, PhD
Applied Public Health Scientist, Injury Prevention
Public Health Ontario

Abstract: From a public health perspective, road safety is a significant public health issue and is influenced by the design of our transportation system. While municipalities and their transportation planners have the primary responsibility for the planning and operation of these systems, how this occurs has broader health impacts. Public health professionals work to support improvements in the built environment to support health and these programs and policies need to be supported by the best available evidence to improve health outcomes. This presentation will review the evidence supporting public health action for road safety and open the discussion on how municipalities, public health and researchers can work together to positively influence road safety.

Short Bio: Sarah Richmond is an Applied Public Health Scientist at Public Health Ontario. She has a PhD in Epidemiology from the University of Calgary and Clinical Post-Doctoral fellowships at the Hospital for Sick Children and York University. Sarah has expertise in injury epidemiology, implementation science and knowledge translation and her areas of specialty include sport and traffic related injury.

Development of a Vision Zero Plan – Lessons Learned

Dr. Pedram Izadpanah, PhD, PEng
Partner, Vice President,
TES Information Technology

Abstract: The purpose of a Road Safety Plan (RSP) is to improve safety for road users through a data-driven effort by (1) identifying and prioritizing the key safety needs addressing engineering, enforcement, and education; (2) taking advantage of all resources available and aligning them to meet identified safety needs to address the common goal; and (3) guiding safety investment decisions in a coordinated fashion to maximize the effectiveness of expenditures. In the past five years, North American jurisdictions have started to adopt the concept of Vision Zero for their RSP. Some of these road authorities such as the City of London, Ontario or New York City are a few years into the implementation of their plan and have been able to publish early results. The main objective of this presentation is to explain the process of the development of a successful Vision Zero RSP and share lessons learned from jurisdictions which have developed their plan and are implementing their plan. This presentation discusses challenges faced by road authorities in (1) the governance of the plan, (2) consultation and coalition building process with a wide range of stakeholders, (3) consultation with the public, (4) development of vision and goal statements, (5) data analysis summary, (6) development of an action plan, (7) new funding and reallocated funding, (8) key performance indices, and (9) institutionalizing safety.

Short Bio: Pedram Izadpanah, Ph.D., P.Eng. is a partner and vice president with TES. He has more than 15 years of experience in road safety and traffic engineering. He has assisted road authorities in Canada in all aspects of road safety management process including the development of safety performance functions and network screening, in-service road safety reviews, road safety audit, and road safety program evaluations. In recent years, he has been involved in the development of vision zero or towards zero plans for several jurisdictions in Canada including the City of London, City of Toronto, Peel Region, Durham Region, City of Kingston, and Regional Municipality of Halifax.

Engineering Traffic Safety and Eliminating Police Enforcement through Innovative Road Design: The Next Generation of Helicopter Parenting

Constable Eugenia Ambrozaitis, B.Mus.Ed
Training Constable, Designated Collision Reconstructionist
Toronto Police Service

Abstract: There is a need to protect our most vulnerable road users at all costs and reduce the number of collisions involving serious bodily harm or death. For a well-balanced response, we need to acknowledge and evaluate the ever-increasing number of road users, particularly motorists utilizing our currently over-loaded infrastructure, and the distractions that road users face along the way. We also need to promote an efficient and timely system of movement of these road users by weaving inventive elements of traffic safety into the engineering design of roadways, also taking into consideration the development of mass transit and other technologies to support automated traffic enforcement. During this session, I

hope to address merely a few of the factors and hindrances illustrated in my case scenarios which may directly and indirectly influence the outcomes of such lofty engineering goals.

Short Bio: My name is Eugenia Ambrozaitis and I have been a police officer with the Toronto Police Service for the past 17 years. I have been investigating traffic collisions since 2001 and in 2009, I was designated an expert witness in the field of Collision Reconstruction. While at Traffic Services - Collision Reconstruction Squad, my primary role was to investigate and analyze serious collisions, write technical reports, conduct research and practical test studies, mentor apprenticing Collision Reconstructionists, high school and university students, and I was responsible for peer review. I testify as an impartial and unbiased expert witness at all levels of court, for both the crown prosecutor and defence counsel as required, and liaise with defence expert witnesses (engineers), and assist a number of internal units and external agencies in large scale investigations, including homicides and inquests. I am currently assigned to the Toronto Police College as an instructor with the Investigative Training Section, teaching both civilians and officers in a variety of subjects. I have a Bachelor of Music Education from the University of Toronto. I am a quickly moving pedestrian often seen on trails, who is also an avid cyclist and operator of all things motorized, be it two-wheeled or four. I am also a living crash-test dummy.