



*Joint Free Seminar*

## **Human Factors and Advanced Vehicle Technologies: Driver Attention and Interactions with Higher Levels of Automation**

**Professor Birsen Donmez**  
University of Toronto

**11:00am–12:00pm Monday, 8 August 2016**

**Theatre 109, Civil Engineering, Building H20  
The University of New South Wales  
Kensington Campus**

Birsen Donmez is an Associate Professor at the University of Toronto, Department of Mechanical & Industrial Engineering and is the Canada Research Chair in Human Factors and Transportation. She received her MS (2004) and PhD (2007) in industrial engineering, and her MS in statistics (2007) from the University of Iowa. Before joining the University of Toronto, she spent two years as a postdoctoral associate at the Massachusetts Institute of Technology.

Donmez's research interests are centered on understanding and improving human behavior and performance in multi-task and complex situations, using a wide range of analytical techniques. In particular, her research focuses on operator attention in multitask activities, decision support under uncertainty, and human automation interaction, with applications in various domains including surface transportation, healthcare, mining, and unmanned vehicle operations.

Donmez's selected honors include the inaugural Stephanie Binder Young Professional Award from the HFES Surface Transportation Technical Group (2014) and an Early Researcher Award from the Ministry of Economic Development and Innovation of Ontario (2015). She serves on multiple Transportation Research Board committees and as an associate editor for IEEE Transactions on Human-Machine Systems.