

UNSW School of Aviation S2-2016 Colloquium Series

*Time: Varies Date: Fortnightly
Refreshments provided*

Date	Location	Time	Presenter	Affiliation	Topic	Title	Chair
Wednesday <i>27 July</i>	Old Main Building, Room 221	3:00pm	Oleksandra Krasnova	UNSW	Aviation Safety	The positive influence of feedback on young drivers' speed management	David Tan
Monday <i>8 August</i>	Civil Engineering 109	11:00am	A/Prof Birsen Donmez	University of Toronto	Aviation Safety	Human factors and advanced vehicle technologies: driver attention and interactions with higher levels of automation	Brett Molesworth
Wednesday <i>24 August</i>	Old Main Building, Room 221	3:15pm (30 minute session)	Roger Millar	UNSW	Aviation Management	Aircraft lessor strategies: an analysis of organisational response to changing leasing environments.	David Tan
Friday <i>2 September</i>	Old Main Building, Room 221	11:00am	Kevin McMurtie	UNSW	Aviation Safety	To report or not: Factors influencing pilot reporting behaviour	Brett Molesworth
Wednesday <i>12 October</i>	Old Main Building, Room 221	3:00pm	Tom Caska	Aerolens	Aviation Safety	UAVs: operation and challenges	Brett Molesworth
Wednesday <i>26 October</i>	Old Main Building, Room 221	3:00pm	Marion Burgess	UNSW ADFA	Aviation Safety	Aircraft noise assessment, community consultation and approaches to complaints management	Brett Molesworth

Upcoming

27 July 2016 – Ms Oleksandra Krasnova

Title: The positive influence of feedback on young drivers' speed management

Abstract:

The aim of the present study was to empirically investigate the effect of various types of feedback on young novice drivers' speed management behaviour. One hundred young drivers, randomly allocated to five groups, completed three test drives using a computer-based driving simulator. For four groups, feedback was provided after an 11km drive and focused on speeding behaviour, the safety implications of speeding or the financial penalties if caught speeding or all three. The fifth group was a no-feedback (control). Driver speed management performance was examined in three 11km drives immediately following the receipt of feedback, 1 week post-training, and 6 months post-training. The results showed that all types of Feedback were effective in improving young drivers' speed management behaviour compared to the control group. Providing feedback about financial implications of speeding was found to be the best in improving young drivers' speed management behaviour across all tested conditions. These findings have important implications for the development of a new approach to improve young drivers' speed management behaviour.

8 August (Monday) 2016 – Prof Birsen Donmez

Title: Human factors and advanced vehicle technologies: driver attention and interactions with higher levels of automation

Biosketch:

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.