

Innovation and technology in transport systems:

Optimising the Interaction Between Users and Automated Systems

Morning Talks

Rail operations in Australia are on the cusp of rapid technological change. Innovative technologies such as computer-based train control and automated network traffic management have the potential to improve operational efficiency and safety. However, these benefits cannot be realised without the application of a systematic Human Factors approach to ensure that interactions between human users and autonomous systems are based on a thorough understanding of human capabilities and limitations.

Public Transport Victoria's Human Factors Team and the Transport Special Interest Group at the Human Factors and Ergonomics Society of Australia invite you to a morning of talks on the application of human factors methods and research to inform the integration of users and automated systems. At this event you will hear from rail industry professionals and leading researchers from across Australia who are tackling human factors issues associated with the integration of innovative technologies into modern transport systems. This session has a special focus on HF issues associated with the introduction of automation in passenger and freight rail operations.

Who should attend?

This event will be of value to anyone involved in the analysis, design, delivery or operation of public transport systems and infrastructure.

Date

Wednesday 22 May 2019

Note: The views of the presenters are not necessarily the views of the PTV, TfV or HFESA.

Details

Cost: Free

Registration: 8.45am – 9am

Presentations: 9am – 12:30pm

Location: Royal Australasian College of Surgeons, Level 2 Training Area, 250/290 Spring St, East Melbourne VIC

Getting There: 2 minute walk from Parliament Station;
4 minute walk from Tram Stop 10 (Route 86, 96);
3 minute walk from Tram Stop 10 (Route 30,35)

Limited street parking. Refreshments provided.

Speaker Program

Matches made in hell (and how to avoid them): the role of human factors in automation design –
Prof. Paul Salmon, University of the Sunshine Coast

Track circuit failure or sociotechnical system failure? Lessons for managing automated systems from the 2009 Washington Metro train collision –
Dr Gemma Read, University of the Sunshine Coast

Analogue to digital – being operationally ready for the step change in rail network planning –
Janelle Endacott, ARTC

Finding the Automation 'Sweet Spot' in Rail Systems Design – Peter Benda, Human Risk Solutions

Register now. Limited spaces available.



Register via EventBrite at eventbrite.com.au/e/60503491572

Enquiries to: bradley.wolfgang@ptv.vic.gov.au

Event organised by Public Transport Victoria Human Factors Team and the TranSIG of the HFESA.