

## Symposium Program

15 November 2018

University of Sydney CBD campus, level 17, 133 Castlereagh St, Sydney 2000

8.30 – 9.00	<b>Registration</b>	
9.00 – 10.40	<p style="text-align: center;"><i>Room 1: Plenary session</i> <i>Chair: David Hensher (USYD)</i></p> <p style="text-align: center;"><b>Opening Symposium</b> Chris Bennetts (TfNSW)</p> <p style="text-align: center;"><b>Launch TRANSW</b> Michiel Bliemer (USYD)</p> <p style="text-align: center;"><b>Research Hub &amp; Strategic Research Directions</b> Sherri Fields (TfNSW)</p> <p style="text-align: center;"><b>Keynote 1: Can we simulate how traffic accidents occur?</b> Hans van Lint (Delft University of Technology, the Netherlands)</p> <p style="text-align: center;"><b>Keynote 2: Innovative travel demand modelling using novel data sources</b> Stephane Hess (University of Leeds, UK)</p>	
10.40 – 11.10	<b>Morning tea</b>	
11.10 – 12.30	<p style="text-align: center;"><i>Room 1: Research ideas A</i> <i>Chair: TBC</i></p> <p style="text-align: center;"><b>Insurance for autonomous vehicles</b> Amolika Sinha (UNSW)</p> <p style="text-align: center;"><b>Walking and cycling in an automated world</b> Tony Arnold (USYD)</p> <p style="text-align: center;"><b>The wicked problems of connected and autonomous vehicles</b> David Wilson (UTS)</p> <p style="text-align: center;"><b>Hierarchical city-scale dispatching method for ride-sourcing systems</b> Amir Valadkhani (USYD)</p> <p style="text-align: center;"><b>Perimeter flow control with time-varying cordon based on macroscopic fundamental diagram</b> Ye Li (USYD)</p>	<p style="text-align: center;"><i>Room 2+3: Research ideas B</i> <i>Chair: TBC</i></p> <p style="text-align: center;"><b>Rail concept of operations – the pathway to the rail of tomorrow</b> Codruta Bastucescu (UTS)</p> <p style="text-align: center;"><b>Topological evolution of Sydney railway networks</b> Bahman Lahoorpoor (USYD)</p> <p style="text-align: center;"><b>Effects of timetable change on job accessibility</b> Hai Wu (USYD)</p> <p style="text-align: center;"><b>Integrated demand-supply model for charging infrastructure of electric vehicles in NSW</b> Shuangqing Gong (UNSW)</p> <p style="text-align: center;"><b>Impact of bicycle highways on commuter mode choice: a scenario analysis</b> Hema Sharanya Rayaprolu (USYD)</p>

12.30 – 13.30	<b>Lunch</b>	
13.30 – 15.00	<p style="text-align: center;"><i>Room 1: Research findings A</i> <i>Chair: TBC</i></p> <p><b>Dynamic microsimulation travel demand model</b> Amarin Siripanich (UNSW)</p> <p><b>Let's play for the future of transport: the gamification of travel surveys</b> Nina Verzosa (USYD)</p> <p><b>Route choice behaviour in stated choice experiments – with and without consequences</b> Muhammad Fayyaz (USYD)</p> <p><b>Intelligent CCTV sensing for train platform crowd counting</b> Saeed Amirgholipour (UTS)</p>	<p style="text-align: center;"><i>Room 2+3: Research findings B</i> <i>Chair: TBC</i></p> <p><b>Vertical integration and its implications to port expansion</b> Shengda Zhu (USYD)</p> <p><b>Designing a smart evacuation system for future resilient transport infrastructure</b> Maziar Yazdani (UNSW)</p> <p><b>Optimisation of signalised intersections equipped with light rail vehicle signal priority systems by minimising cars' dwell time</b> Mina Ghanbarikarekani (UTS)</p> <p><b>Aircraft conflict resolution and heading recovery with mixed integer</b> Fernando Cunha Dias (UNSW)</p>
15.00 – 15.30	<b>Afternoon tea</b>	
15.30 – 16.30	<p style="text-align: center;"><i>Room 1: Research findings C</i> <i>Chair: TBC</i></p> <p><b>Responsive passenger information systems: the need for a responsive nudge design framework</b> Katelyn Bywaters (UTS)</p> <p><b>Stated preference design for Mobility as a Service (MaaS) broker/aggregator contracts</b> Yale Wong (USYD)</p> <p><b>Consumer preferences and values for smart ticketing system usage</b> James Bushell (USYD)</p>	<p style="text-align: center;"><i>Room 2+3: Research findings D</i> <i>Chair: TBC</i></p> <p><b>A linear programming framework for optimal lane allocation for shared autonomous vehicles on freeways</b> Shantanu Chakraborty (UNSW)</p> <p><b>Calibration of large-scale transportation planning models: a systematic approach</b> Ali Najmi (UNSW)</p> <p><b>Bus bunching modelling and control: a passenger-oriented approach</b> Dong Zhao (USYD)</p>
16.40 – 17.00	<p><i>Room 1: Plenary session</i></p> <p><b>Closing of the Symposium</b> Michiel Bliemer (USYD)</p>	