

TRAN SW

2022 TRANSW Symposium
Wednesday 23rd November 2022 8:30am - 6:00 PM

Hosted by
 **UTS** UNIVERSITY OF TECHNOLOGY SYDNEY

Supported by
 **NSW** GOVERNMENT
Transport for NSW

The Symposium

The annual Symposium provides a platform for transport research students, academics and practitioners to discuss relevant topics in transport and their impacts on industry. **Research students and post-doctoral researchers** will have the opportunity to showcase their research and attendees will have the opportunity to meet transport researchers, academics and practitioners in an informal setting.

The Symposium is organised each year by one of the participating universities. Following the success of past Symposiums, hosted by University of Sydney (USYD) and University of New South Wales (UNSW), and the 2021 Virtual Symposium, the University of Technology Sydney (UTS) is pleased to host this year's in-person **2022 Symposium on Wednesday 23rd November** at Building 8, University of Technology Sydney, 8 Ultimo Road, Ultimo.

Who are TRANSW?

The Transport Research Association for NSW (TRANSW) began in 2018 as a joint initiative of the University of Sydney, University of New South Wales (UNSW), University of Technology Sydney (UTS) and Transport for New South Wales (TfNSW). In 2021, the organisation has expanded to include the University of Wollongong as a member. TRANSW aims to foster and support cross-disciplinary and cross-institutional transport research and practice. For more information, please visit transw.org.au.

Key Dates

Abstract Submission Opens	1 st August 2022
Registration Opens (free via Eventbrite)	1 st September 2022
Abstract Submission Closes	14 th September 2022
Notification of Abstract Acceptance	7 th October 2022
Registration Closes	18 th November 2022

The Day

The programme and speakers

The format of the 2022 TRANSW Symposium will include **Presentation Sessions** of research students (MPhil and PhD), research fellows and research associates. Themed sessions will be held concurrently across three sessions throughout the day. Each presentation will be followed by an interactive question and answer session allowing the audience to ask questions, provide feedback and have a discussion. These presentations will be facilitated by Chairs from industry and research institutions.

Additionally, research students and post-doctoral researchers will be able to demonstrate their work through the poster display, and dedicated **Poster Sessions** to allow for discussion with attendees of the Symposium.

The day also includes an opening session with a Keynote speaker and finishes with a networking session with refreshments. A detailed programme with presentations speakers will be published closer to the Symposium date.

For **Abstract Submissions** to present in either the Presentation Sessions or Poster Sessions, please go to <https://forms.office.com/r/zFseQtdRZq> to submit, and transw.org.au or further in the TRANSW 2022 Invitation for more details. Abstract submissions open on 1st August 2022.

The Day's Programme

Morning 8.30AM-12:00PM	Registration	Posters on display
	Plenary Session and Keynote Speaker	
	Morning Tea	
Session 1: Presentations Streams i, ii, iii		
Afternoon 12:00PM-4:30PM	Poster Session I + Lunch	
	Session 2 Presentations Streams i, ii, iii	
	Afternoon Tea	
	Session 3 Presentations Streams i, ii, iii	
	Poster Session II	
Evening 4.30PM-6:PM	Closing Session	
	Networking and Refreshments	

Call for Abstracts

Invitation to present

We would like to invite research students (MPhil and PhD), research fellows and research associates from the participating universities to submit an Abstract to present in either the Oral Presentation Sessions or Poster Sessions of the 2022 TRANSW Symposium.

The abstract must clearly highlight the innovation of the research project and the potential impacts for industry practice. **In addition, there must be consideration of the strategic direction of transport in NSW by relating content to TfNSW 10 year blueprint, the Future Transport Technology Roadmap 2021-2024 and Future Transport 2056** (Refer to: <https://www.transport.nsw.gov.au/about-us/who-we-are/our-transport-vision> and <https://future.transport.nsw.gov.au/technology/technology-roadmap>). Abstracts should be submitted related to one or more of the six Symposium themes:

1. Future Mobility
2. Successful Places
3. Sustainability
4. Technological drivers of change
5. Safety and security
6. Valuing wider benefits

Abstracts **submissions open on the 1st August 2022**. To submit your abstract, please go to <https://forms.office.com/r/zFseQtdRZq>. Please note there is a word limit of maximum 300 words. Any abstracts more than 300 words will not be accepted.

The **submission deadline is 14th September**. Successful submissions will be notified on the 7th October. Subsequent details will be provided regarding the format of the oral presentations and poster presentations.

Awards

The best presentations in each stream will be awarded '2022 TRANSW Best Presentation in Stream' determined by a panel of academics and industry representatives. '2022 TRANSW Best Poster Presentation' will also be awarded by people's choice. All recipients will be announced after the Symposium on the TRANSW website and in the newsletter.

Symposium Themes

Featured for discussion

1 Future mobility

- Traffic flow simulation, management and control (Intelligent Transport Systems and Predictions)
- Travel demand forecasting and survey methods
- Travel behaviour and values
- Transport network modelling and optimisation
- Facilitating end to end journey solutions
- Connected journeys for customers

3 Sustainability

- Active travel and health
- Public transport planning and analysis
- Energy and emissions (Net zero emissions for Transport)
- Road infrastructure innovation and pavement technology
- Marginal materials in transport infrastructure

5 Safety and security

- Traffic safety analysis and evaluation
- Disaster planning and resilience
- Materials for safer transport infrastructure

2 Successful places

- Integrated transport and urban planning
- Shared spaces and places
- Land use planning and modelling
- Strengthening regional connections
- Smart cities and Transport

4 Technological drivers of change

- AI and big data in transport
- Transport Geotechnics
- Novel data collection and advanced computational models
- Impact of alternative-fuel and autonomous vehicles
- Mobility-as-a-Service (MaaS)
- Emerging freight technology for better transport

6 Valuing wider benefits

- Transport economics, pricing, and appraisal
- Next best evaluation methodologies
- Evaluation and benefits realisation of transport projects and programs
- Transport business strategy

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1 st September	Registration for Symposium Opens (free via Eventbrite)
14 th September	Deadline for Abstract Submission
7 th October	Notification of acceptance of Abstract, details of oral and poster presentations to follow.
18 th November	Registration for Symposium closes

Symposium Committee

Michiel Bliemer	University of Sydney
Emily Moylan	University of Sydney
Meead Saberi	University of NSW
Bo Du	University of Wollongong
Kasun Wijayaratna	University of Technology Sydney
Emma Koh	Transport for NSW

UTS 2022 TRANSW Symposium Organisation Committee

Michelle Zeibots	University of Technology Sydney
Kasun Wijayaratna	University of Technology Sydney
Cecilia da Rocha	University of Technology Sydney
Christina Chiu	University of Technology Sydney