

Dear TAs colleagues,

We are in the last quarter of 2021 with ongoing COVID restrictions, but plans are underway to lift restrictions in Australia with high level of vaccinations. I would like to thank my nominators as I made it to the short list of finalists for the 2021 Professional Engineer of the Year in Queensland and I congratulate Cheryl Desha as the winner!

We have seen the steady return of TAs members in the new financial year with a 35 per cent increase in TAs members from August 2020 to August 2021 and approximately a thousand members on TAs LinkedIn. We have seen continued growth in student membership with implementation of student initiatives by the TAs Student Membership Working Group (SMWG). We continue to make a call out to our many TAs LinkedIn group members to convert and become paid members, to take advantage of participating in TAs advocacy and CPD activities.

We have undertaken a TAs committee member engagement survey Thanks to all who participated. The survey results generally were favourable across the areas of committee (68%), communication (61%), executive plan (65%) and management (83%). More importantly three questions that provided great feedback included:

- What should TAs continue to do? (Webinars, advocacy, policy, membership needs)
- What should TAs stop doing? (Address bureaucracy Issues, navel-gazing, sitting on fence or staying silent on transport issues)
- What should TAs start doing? (focused events for students and members, more advocacy, more social media, raise profile]

We are coming into election season at the TAs Branch and National Committees, and I wish to sincerely thank any outgoing committee members and welcome any new committee member. As an unwritten rule we usually would like to see committee member participation in at least 80 per cent of the branch or national committee events. The TAs National Executive Committee (NEC) will also consider co-opt membership from the maritime and aviation areas and continue our association with RTSA to ensure TAs has a reach across all modes of transport (land, water and air) and provides a voice for the sustainable movement of people and goods. The NEC continues to address issues across Australia relating to governance, membership, policy, engagement, professional standards, communications, events and national conference.

I have participated in Branch Committee and discussion paper working group meetings, and I'm so proud to hear the level of engagement amongst TAs colleagues who are genuinely interested in voicing their views and collaboratively prepare discussion papers that make their way to on-going communications via national webinars, conferences and advocacy activities like submissions and appearing at government enquiries. An update on our active discussion paper working groups are as follows:

- Rail Transport Infrastructure (draft due late Nov 2021).
- Urban Transport System (draft due late Nov 2021).

- Maritime Transport Infrastructure (review of current paper and release of revised draft Feb 2021).

We are currently reassessing our plans for the second TAs National Transport Conference (NTC) with our colleagues at Engineers Australia and are considering alternative smaller scale technical workshops sprinkled throughout 2022. We will be seeking requests from TAs membership on areas of interest in transport that they wish to see technical workshops and courses on. We will be setting up a TAs taskforce to work with Engineers Australia to consider a planned and co-ordinated 2022 with CPD activities (national webinars and national technical workshops) for the benefit of TAs membership.

The SMWG continue to do good work, reaching out to their counterparts in Young Engineers Australia and at universities teaching courses in the transport sector including student societies. There have been some useful conversations and follow up actions including industry lectures and presentations to university students at Engineers Australia events. SMWG is also in the process of adding a page for students on the TAs website.

We welcome [Movement & Place Consulting](#) as a TAs corporate member and we continue discussions across Australia with potential corporate members from academia, government and the private sector. We have commenced reaching out to our corporate members and partners.

TAs key recent and current engagements include:

- Engineers Australia and TAs appeared before parliamentary inquiry— [Joint Select Committee on Road Safety \(29/9/21\)](#)
- Comments to draft Engineers Australia position statement on climate change
- Queensland Engineers Australia and TAs submission on Creating Better Connections for Queenslanders —a draft 10-year plan for passenger transport in Queensland by the Department of Transport and Main Roads

Another activity that has been undertaken throughout 2021 is the preparation of a document to summarise the history of TAs including in its past forms. Research indicated TAs existed as early as 1975 (named National Committee on Transportation at the time). TAs representatives interviewed previous Chairs to piece together the rich history of TAs and the key contributions of influential members across the past 46 years. A copy of this document, as well as an accompanying video, will soon be made available on the TAs website and emailed separately to members and TAs stakeholders.

Stay safe and keep a look out for all health advice regarding COVID. Enjoy reading the November newsletter.

Kind Regards,



**Shalendra Ram**

Chair, TAs National Executive

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## Student member update

*By Madison Elliott, Chair SMWG & Oliver Yang, Deputy Chair SMWG*

Over the last quarter, the SMWG has been focusing on two key areas including the student hub webpage on the TAs website and strengthening the relationships with university student societies. During September, the SMWG contacted approximately 30 university student society groups from across Australia to introduce TAs and provide information that could be passed on to their student members.

The SMWG will be rating the relationship with each student society to establish gaps in TAs' engagement with these groups to provide a framework for future communications and engagement from the branches. This great work has been reflected in the student membership numbers which have grown to 157 members, an increase of 22 per cent in the last quarter and 234 per cent in the year to date.

SMWG member Tanya Moran was one of the three TAs speakers who presented at the WA EngConnect event on 16 September which provided information for undergraduates interested in transport. SMWG Chair Madison Elliott also spoke at the QLD Engineers Australia Undergraduate Industry night on 15 September to promote TAs to undergraduate students. SMWG members April and Joanne will also assist in hosting a virtual trivia night with Young Engineers Australia to further strengthen that relationship and to ensure there are transport engineering questions to spark interest for students and young engineers.





## Meet the SMWG

We will be introducing one of our TAs SMWG representatives and student representatives in our newsletters going forward. I am excited to for everyone to meet the volunteers that are supporting the Vision Plan.

### **Eaysir Arafat (Student Representative, Queensland)**



Md Eaysir Arafat is completing a Master of Philosophy at the Queensland University of Technology under CARRS-Q. Alongside Eaysir's studies, he is also working as a Research Officer in different road safety projects. Before joining CARRS-Q, he was working as an intern in the Australian Heavy Engineering Company. He also has a couple of years of experience in the Civil Engineering field back in Bangladesh.

Md Eaysir Arafat is passionate about road safety and road user behaviour. Currently, his work focuses on evaluating the effectiveness of warning interventions for mobile-phone-distracted pedestrians in signalised intersections. His professional interests focus on recycling material in transportation, transportation modelling, road safety, vehicle crash prediction, and prevention. These interests have influenced him to develop a career in the transport industry.

# Advocacy

## Transport Australia road safety update

By Dr Brett Hughes



TAs has been active this year advocating for better road safety. The more evident activities include:

The national Office of Road Safety has been continuing to develop the new national Road Safety Strategy in conjunction with states and territories. I had the opportunity to discuss some aspects of the strategy on behalf of TAs while in Canberra in April. This year The Hon Scott Buchholz MP, Minister for Road Safety and Freight Transport, has been conducting a series of roundtable discussions with key stakeholders, most recently with Indigenous

representatives. A number of new road safety projects recently received funding through the Australian Government's Infrastructure Investment Program and national road safety programs administered by the Office of Road Safety. You can [sign up to monthly updates](#) from the national office.

Phillip Yap led Engineers Australia's Transport Australia society contribution to the WA State Government Regional Roadworks Signage Review. The Recommendations Report was released in August which included 13 recommendations in six key themes including: road user and worker safety, education, training and support, accountability, technology, signage integrity and legibility and compliance and enforcement with a road map for Implementation. We hope the State Government diligently adopts all of the recommendations immediately and implements them as soon as practicable. You can find the report [here](#).

In August, Scott Elaurant, Sybilla Grady and myself, with help from Michael Bell, made a submission to the Australian Parliament's Joint Select Committee on Road Safety in August on behalf of Engineers Australia and the Transport Australia society. The three made an appearance via video link to the committee in October. The Committee was very receptive and engaged with our submission and points of view. You can find our submission (and my personal one too), [here](#).

The South Australian government has been consulting stakeholders and the public as part of a process to revise their State Road Safety Strategy. Scott Elaurant made a submission to the strategy based on TAs' 2020 Road Safety Discussion Paper. The Road Safety Strategy was released for feedback by 1 September and TAs South Australian Committee will be following the new strategy as it develops.

Scott Elaurant and I joined journalist Nadine Cranenburgh to discuss just a few important aspects of road safety that have been emerging and how they can be improved in an article in Engineers Australia's online magazine create in September.

Much of what is needed is about changing our perspectives on road safety and improving our strategic approaches to thinking about solutions. Key issues included road safety in all workplaces and investment reforms, that stem from broadening the road safety paradigm. You can read the [create article here](#).

The Australian Senate Standing Committee on Rural and Regional Affairs Transport published its report on the importance of a viable, safe, sustainable and efficient road transport industry in August. Scott Elaurant, Sybilla Grady and I made a submission to the inquiry in November 2019 and appeared to the Committee in April. Amongst other issues, TAs told the Senate Committee on Transport that Australia needs structural reform of road transport's economics.

The TAs submission was referenced and Scott Elaurant was quoted several times in the Committee's final report. The list of recommendations can be [found in the report](#).

Invited speakers grappled with the very difficult topic 'systems thinking for future road safety (Zero by 2050)' in the final plenary session at the Australasian Road Safety Conference in September. I chose to talk on 'the future of road safety management' or 'what got you here, won't get you there!' The session was designed to explore some different perspectives of road safety management which has failed to meet targets for the last 20 years in Australia and in most developed countries. The session was designed to start a conversation to explore the issue without prescribing particular solutions. Listeners were prepared to reconsider past management, new ideas and many more opportunities, so we look forward to continuing this journey forward.

I was interviewed in September for ABC's Landline TV program about railway level crossing safety. The Landline report is partly based on a Coroner's report into a WA level crossing crash where 3 young people died 21 years ago. The Coroner made several recommendations including flashing lights, some of which was acted on but others not. The program went to air on 24 October so should be available to watch on [ABC iview](#).

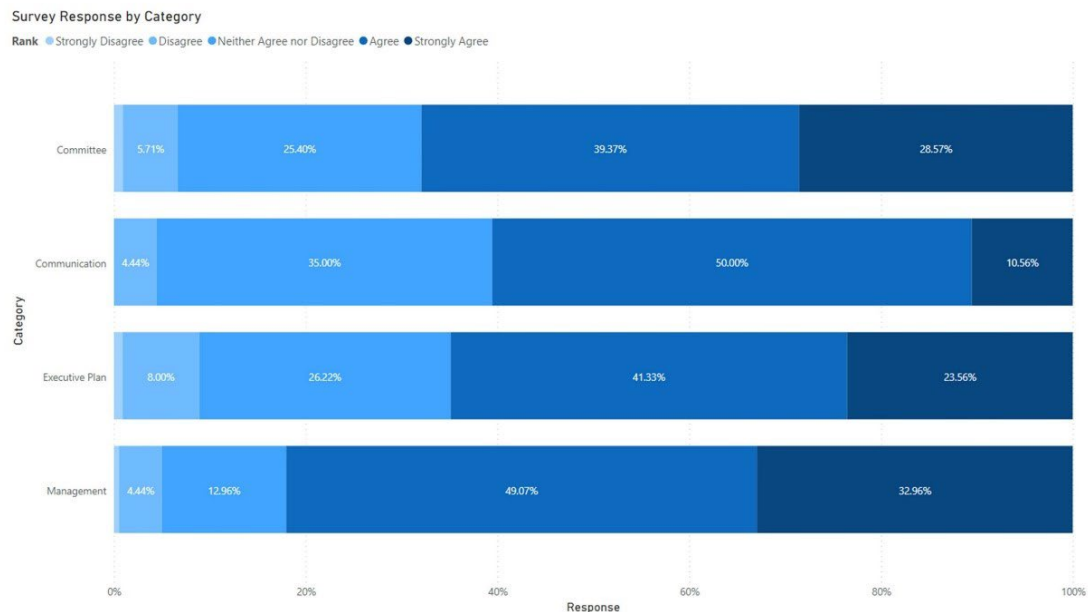
BITRE released the annual report on road crashes— Road trauma Australia 2020 Statistical Summary' —which indicated that fatalities decreased by 13.4 per cent over the decade. 55 per cent of deaths were in rural areas and another 10 per cent in remote areas, which is hugely disproportionately high per capita. All jurisdictions showed reductions in the rate of annual fatalities per 100,000 population which declined by a total of 24.7 per cent over the decade. However, Australia did not achieve the 2020 national road safety target. In fact, we did not achieve the 2010 target in 2020.

## EA Committee Pulse Survey

Following the successful trial of the SMWG Committee Pulse Survey in early July, TAs National Executive Committee (NEC) conducted a national and states Committee Pulse Survey in early August to measure TAs committee members' engagement within the national and local branch committees. The survey provided feedback to the NEC and Local Branch Committees to plan and improve the National Executive Plan, with



the vision to provide better membership benefits to our members in the transport industry.



A total of 49 per cent of branch and national committee members responded to the survey. Each of the respondents replied to a set of 32 questions around five topics: committee, executive plan, management, communications, and overall feedback, with an average of 68.9 per cent positive response for each of the five topics.

The Committee section measured committee members' engagement, understanding of their role, their volunteering experience, and their values of delivering the NEC priorities to our members. Overall, 68 per cent of respondents replied that they are having a positive experience as a committee member, 51 per cent of the respondents agreed that the committee articulates its priorities to its members, and 33 per cent of the respondents were not aware of their roles under the society guideline.

The executive plan section measured the familiarity of the TAs National Executive Plan, its priorities, the Committee's view on membership diversity and society reputation. Overall, 65 per cent of the respondents agreed the current executive plan and vision is guiding the society forwards in a positive direction. However, there were mixed views on the clarity and functionality of the plan's output and measures. 93 per cent of respondents agreed that membership and events are important to TAs' reputation, 71 per cent agreed TAs has a balanced representation across the industry, and 55 per cent agreed TAs' reputation has grown in the past two years.

The management section measured the interaction between the committee members and the national or branch chair, whether the committee members felt their views were heard and acted on, and whether these views are fulfilling TAs' purpose by guiding the committee in the right direction. Overall, 82 per cent of the respondents responded positively on the interaction between committee members and chairs. However, only 53 per cent of the respondents agree their involvement has generated value to their organisation.

The communication section focused on TAs' communication such as its marketing, social media and website, measured by whether the information is informative, clear, regularly updated, and relevant to our members. The majority of the respondents agree the information is informative and relevant, however improvements are needed on the clarity of message and frequency.

Finally, in the written feedback, we have several respondents who thought TAs should continue engaging with our members by providing benefits through events, industry support and guiding emerging professionals' needs at universities. Many of the committee members believe the society should make a constant effort to attract emerging professionals and advocate more for our member benefits.

The Branch and national executive committees have been conducting reviews and discussions around the Pulse Survey results, and the results have been made available to all committee members. The committees are dedicated to building on the feedback from the survey respondents and to implement improvements at Branch and national levels to maintain our society's reputation and continue to support our members and corporate members across the transport industry in Australia.

## History of TAs

In early 2021, TAs sought to develop a comprehensive history of Transport Australia society including all of its past forms. Research indicated that TAs in its original form as the National Committee on Transportation has records back to 1975! Three name changes later, we have Transport Australia society which was officially formed in 2015. The chairs of TAs were able to be dated back to 1995, with 10 chairs recorded since then.

Following interviews conducted with past and present TAs chairs and trawling the internet for past papers with the TAs name on it, a slide deck and video has been created to provide an overview of the history of TAs that is to be distributed to all TAs members.

A special thanks to Madison Elliott for research and interviews, Adriana Gowthaman for creating the graphics and video, Oliver Yang for music and all interviewees for their time and recollection of this unique piece of Australian transport history.

You can read more about the history of TAs [on our webpage](#).

## Branch updates

**Australian Capital Territory**

***By Jerome Catbagan, ACT Chair***



The webinar event on *Cycling in the ACT* is progressing and the committee is just awaiting confirmation from Engineers Australia regarding the event date. Discussions with our colleagues in TAs NSW are ongoing in relation to the joint event being planned – *Faster Rail between Sydney and Canberra*. Planning for TAs ACT-hosted events in 2022 will be happening soon.

Another guest lecture at UNSW Canberra was organised by Milad Ghasri and was held on 5 October 2021. The guest lecturer was Doug Tonge, a civil engineer with extensive experience in transport infrastructure design and economics, who provided students with real-world case studies and examples of projects that have gone through the various stages of business case development. This further reinforces TAs' push to bridge the gap between the transport industry and academia.

Branch membership is stable and gradually increasing, with numbers only slightly higher compared to last year's. Student membership has also increased.

## **South Australia**

***By Lindsay Oxlad, SA Chair***

The Branch is actively engaging with the University of Adelaide, University of South Australia and Flinders University to provide students with greater insights to TAs and the benefits membership offers via presentations.

Particular focus is on students and postgraduates with a SA Chair presentation to Uni SA students eliciting useful feedback on student needs, namely, lack of face-to-face meetings due to COVID-19 restrictions meant that there were few opportunities for students and postgraduates to meet prospective employers across the engineering disciplines and lack of opportunities to undertake work experience.

Adelaide Uni has contacted the SA Branch seeking potential projects for students to work on in lieu of work experience.

The Branch and National Chair had discussions with ITEANZ regarding joint advocacy for the Federal Government to introduce vehicle emission standards along the lines of those existing in other jurisdictions overseas. ITEANZ will be progressing this independently of TAs due to Engineers Australia reticence to directly lobby Government outside of their national campaigns.

A proposed event involving a visit to SAGE/ Tonsley and Flinders University driverless bus is progressing but is likely to be deferred to later in the year because of the need to provide up to six weeks prior notice to Engineers Australia administration to allow notices to be prepared and distributed via the local Engineers Australia network.

A proposed meet and greet event initially arranged to occur in the student holiday period in October as a collaboration between the three universities to provide final year engineering students with the opportunity to engage with a diverse group of potential local employers covering a wide range of engineering disciplines had to be placed on hold because of a potential clash with an Engineers Australia national event. Contact is being maintained with the three universities and it is proposed to again seek expressions of interest from students and explore the option to have the event

proceed hosted by the SA Branch of AITPM with TAs having a subordinate informal role.

The Branch is continuing to engage with ITEANZ and AITPM regarding potential joint events and activities. A proposal is progressing for an event exploring pathways for improved public transport in Adelaide with a focus on the potential for the greater role of electric buses in fleet similar to other states and territories who already have a high proportion of BEV in their fleets.

The Branch was contacted by Uni SA which has a significant number of foreign students looking for assistance to contact employers for work experience now that the universities no longer assist in this or in arranging work experience for final year students.

## **Western Australia**

*By Flori Mihai, WA Chair*

### **WA advocacy**

TAs WA contributed to a joint submission with Engineers Australia on the WA Infrastructure Strategy, which was provided to IWA. Flori and Emmerson represented TAs and Engineers Australia at the relevant industry consultation workshops organised by IWA.

TAs WA Committee member Phillip Yap provided input to the development of The Regional Road Work Signage Review Recommendation Report, recently released and commended by the transport minister.

### **Student engagement**

Emmerson, Tanya and Flori were speakers at a joint event with Engineers Australia for students and graduates. They presented to a group of students and graduates on 16 September, at Engineers Australia's auditorium. The feedback was amazing, endorsing the format and its relevance for young members and potential members.

### **Other events**

TAs held a joint event with IPWEA on 2 September, on bicycle network planning and infrastructure design framework for Perth and rural WA, with members from Active Transport and Safety Team at DOT WA. The event was a success with good attendance and an engaging audience.

### **Membership**

Steve Piotrowski has joined the TAs WA Committee. Steve is a former member of TAs and is an extremely experienced and engaged transport planner.

## **Tasmania**

*By Nataliya Katsman, TAS Chair*

In the past quarter, the Tasmanian Chapter has grown to 26 members. The working group welcomed Apurva Bora, Planning Officer at Kingborough City Council, and Adithya Rajan, Urban Planning and Micromobility Consultant.

The next TAs local event — a walking interview titled 'integration and accessibility of public transport in Hobart. New Bellerive-Hobart ferry service' — is tentatively scheduled for 26 November 2021. It will be part of the research project of Dr Lisa Stafford with UTAS and Anglicare called 'the trips not made'. The plan is to share this walking interview and research findings with a wider TAs community in 2022.

## **Victoria**

***By Peter Wills, VIC Chair***

The Victorian Branch was excited to host Dr Allison Stewart, Executive General Manager of Precincts and Planning, and Michael Douge, Director, Rail and Infrastructure Delivery, both of the Suburban Rail Loop Authority as they provided insights into recent business and investment case announcements with respect to Australia's largest transport infrastructure investment (The Suburban Rail Loop project). With more than 500 event registrations the event was Victoria's most successful event to date. A big thanks to Dr Stewart and Mr Douge for their participation in the session. We are completing the planning for our annual year in review discussion panel, where we recap the industry's highs and lows of 2021. We are excited to announce for the first time we will be hosting a Transport Australia members meet providing a chance for us to gather virtually in a series of small informal groups with a technical discussion to assist with networking. We are keen to create opportunities for our members to meet and build relationships in the lead up to returning to face-to-face meetings. On behalf of the committee all the best for the final quarter of the year, stay safe and we look forward to seeing you at our members meet and next TAs event.

## **New South Wales**

***By David Lowe, NSW Chair***

The NSW team is looking forward to holding our future meetings and events in person now that restrictions have eased in Sydney. After a slow start the last quarter was full of webinars on exciting technology in the transport space. It started with two webinars on rail noise attenuation with the first titled 'the effectiveness of rail web dampers and how they are selected and implemented' and was presented by Luke Zoontjens of SLR consulting. It was followed by 'innovative solutions for rail noise attenuation' presented by Rod Pomroy, MD Strailastic. A third event titled 'is faster always better?' was held in September with guest speakers Dr Paul Tranter, Dr Soames Job and Ms Lena Huda.

We are currently planning a joint event with the ACT chapter on fast rail between Sydney and Canberra. The NSW team undertook an analysis and discussion on the responses received through the member survey in order to better understand the memberships requirements and to plan our future strategy.

## **Northern Territory**

***By David Hayward, QLD Chair***

A small group of active TAs colleagues have been coming together to discuss priority issues (road safety, freight and social justice) for NT in past months. This small group has also invited other colleagues who are interested in transport. There has been support and guidance from colleagues in SA, WA and Queensland sharing their experiences with activities within their branches. More recent discussions have resulted in TAs NT reps also liaising and engaging with the NT Engineers Australia Eng Prac Committee. NT TAs reps invited the General Manager of Transport and Civil Services(TCS) in NT's Department of Infrastructure, Planning and Logistics to speak and we were provided with a good update on the TCS's work program, the social side of transport and Territory Economic Reconstruction Commission (TERC). TERC sets out priorities for action to capitalise on the Territory's competitive advantages and attract more private investment. NT TAs will work closely with Queensland TAs and collaborate on CPD events for TAs members.

## **Queensland**

***By David Hayward, QLD Chair***

The Queensland Branch welcomed new committee member David Zohar from TMR who replaces Michael Roth following his recent move to New Zealand. David has a wealth of experience in the transport and event planning industry and we look forward to working with David in what will be a challenging and transformative decade ahead for Queensland transport infrastructure.

In October our Branch held a roundtable meeting with Dr. Kelly Bertolaccini, Lecturer for the School of Engineering and the Built Environment of Griffith University's Cities Research Institute. Our committee valued the opportunity to learn the latest transport planning and engineering related pathways for students at Griffith University, and also their research endeavours in the space of planning for accessible and equitable transport, drawing on Kelly's extensive experience in the USA which no doubt will be of great value in supporting and enhancing the development of universal access to transport infrastructure and services. The committee looks forward to collaborating with Griffith University in this space in the future.

Our Branch made a submission to TMR in September as part of its community consultation on 'Creating Better Connections for Queenslanders', the draft 10-year plan for passenger transport in Queensland. TMR's draft plan is broadly supported by TAs and Engineers Australia, and it is our view that critical to its success lies with appropriately allocated funding and governmental collaboration across all levels of and relevant departments. This will require a significant change to established business models and TAs appreciate the opportunity for continued engagement to support the successful delivery of the plan over the next 10 years.

In terms of upcoming events, plans are in motion to facilitate two to three events over the next six months and our next Branch meeting will include a roundtable discussion with Sunshine Coast University which we look forward to hosting on both fronts.

# Corporate members and partners

Corporate members contribute to ongoing TAs papers and industry submissions to make sure views of the industry are represented with government at both the state and commonwealth levels.

The [corporate member](#) website page link has a list of corporate members and a short bio of each. TAs welcomes the ongoing support of our corporate members, all of whom are listed below:

- AECOM Australia Pty Ltd
- Aurecon Australasia Pty Ltd
- Data Audit Systems Pty Ltd
- Deloitte
- Department of Transport and Main Roads (TMR)
- EG
- Griffith University Cities Research Institute
- GTA Consultants
- Indus Engineering Pty Ltd
- Institute of Transport and Logistics Studies
- Lambert & Rehbein (SEQ) Pty Ltd
- Matrix Traffic & Transport Data Pty Ltd
- NATSIC
- NineSquared
- PSA Consulting (Australia)
- Research & Analytics Pty Ltd
- Rhelm Pty Ltd

- Strailastic Pty Ltd
- Transmax Pty Ltd
- Veitch Lister Consulting

## Corporate member report

### Smart city applications in land use and transport

*By Teck Kean Chin FIEAust CPEng NER APEC Engineer IntPE(Aus) from Research & Analytics Pty Lt*



I am currently pursuing a PhD at the TransportLab, University of Sydney. The PhD is being supervised by [Dr Emily Moylan](#) and [Dr Benjy Marks](#). The following provides a summary update on my current research in Smart City Applications in Land Use and Transport (SCALUT).

Earlier smart city investments sometimes realise further potential when combined with subsequent projects. One example of this is the Transit Signal Priority (TSP) via Public Transport Information and Priority System (PTIPS), which provides priority for delayed buses in the New South Wales public transport network. The system relies on earlier Smart Cities oriented technology including actuated signals (SCATS), on-board global positioning systems (GPS) and occupancy data from Opal cards to extend green time for buses that are running late.

The research has been going for a year and half now. The works completed include GTFS data pipeline development and benefits validation processes of the TSP request system, using open data generated by legacy investments like SCATS, GPS and Opal card. The work underscores the benefits of Smart Transport and Open Data.

We test the hypothesis that the reduction in delay is correlated with the number of signalised intersections between bus stops when controlling for the total number of intersections, the distance between stops, and the magnitude of delays. Initial results show non-substantial delay reduction benefits from transit priority signal indicating that additional information about when requests were made and when they were granted may be required to support the validation.

We are sharing the products of the research on GitHub and you are welcomed to [follow us](#).



## Advanced Mobility Analytics Group announce global partnership with Matrix Traffic and Transport Data

[Advanced Mobility Analytics Group](#) announces a global partnership with [Matrix Traffic and Transport Data](#) spanning Australia, New Zealand, and the UK. Matrix has been in operation for more than 16 years, undertaking many types of surveys including pneumatic tubes and fixed cameras. Within the structure of the partnership between AMAG and Matrix, the intention is to look at the intersection of Matrix Traffic Surveys and the latest in AI/ML application developed as part of the AMAG SMART SaaS platform.

"The expertise and market insight that Matrix can provide as we build existing and future capabilities of our SMART Analytics platform, specifically around the application to surveys is fantastic," said Dr. Simon Washington, CEO and Founder of Advanced Mobility Analytics.

"This is a natural extension to the SMART platform modules, and also provides a direct route to market through their existing customer base."



## Meet our new committee members

Recently WA TAs committee welcomed back Dr Ryan Falconer following a few years absence due to overseas working assignments. We asked Dr Falconer to share with our members his professional background, current role, work passion and why he decided to rejoin TAs.

I'm a transport strategy and policy specialist with a diverse background in government, consulting and research. My specialist areas include transport emissions strategy, infrastructure strategy, travel demand management, transport technology and delivery of complex projects. I pride myself on my communication skills and ability to engage with many audiences.



In my current role, as Director Future Mobility at the WA Department of Transport, I lead a skilled group of analysts, modellers, researchers and other SME, identifying and addressing issues of evolving importance for the state transport system. Previously, I

worked as lead transport advisor for Auckland Council and had significant involvement in development of the transport chapter of Te Tāruke-ā-Tāwhiri: Auckland's climate plan.

I have work experience across New Zealand, Australia, Singapore, China, North America and Canada. I've published widely, including book chapters for CSIRO and Ashgate. I peer-reviewed the UN-Habitat Global Report on Human Settlements (transport) and WHO's Health Co-Benefits of Climate Change Mitigation–Transport Report. I am co-author of entries in the *Sage Encyclopedias of Transportation*, and *Travel & Tourism*, and three chapters in *Planning for Boomtown and Beyond*. I've peer reviewed for the *Journal of Planning Education and Research*, and *Transportation Part D* (transport and environment).

I'm passionate about sharing my domain expertise, having spoken on transport and urban topics in seven countries. These engagements included invited panellist roles at AVS 2016 in San Francisco and the Smart Cities in Focus conference in Yinchuan, China. I've enjoyed contributing to studies conducted by the Van Alen Institute, Institute for Sustainable Energy at Boston University and Ellen MacArthur Foundation. Membership of the Transport Australia society WA committee is an excellent way to contribute to transport policy and planning discourse. I'm impressed with the range of issues that TAs covers and look forward to helping shape future discussions.

When I'm not engaging with industry, I like to spend my time with family, cooking and playing sports—especially trail running, mountain biking, skiing (when I can get to the snow), touch rugby — and watching the All Blacks win. I also enjoy volunteering for Eagles City Mission.

## Recorded events

Keep an eye out for upcoming events via [TAs National Webinar Program](#) and the [EA Events page](#). You can watch the webinars listed below that are linked to EA OnDemand. These events are free for TAs members. If you are asked for payment when downloading, please contact us at [transport@engineersaustralia.org.au](mailto:transport@engineersaustralia.org.au) so we can sort that out for you.

- [Precincts and their role in a Global City](#)
- [The Effectiveness of Rail Web Dampers and how they are selected and implemented](#)
- [Making the Shift to Battery Electric Vehicles before 2050](#)
- [Movement and Place Policy Framework: Current Australian Practice](#)
- [Transport and COVID-19 – What has changed? What does it mean?](#)
- [Transport after COVID – Where to from here?](#)
- [Autonomous Road Transport – A Systems Approach](#)
- [Sustainable Cities through E-Mobility](#)
- [Smart Energy Management for Sustainable Transport](#)
- [Is Faster Always Better in City Transport?](#)

- [Bridges, Transport and Social Aspects – have we met all the objectives](#)
- [Household Travel Surveys in the era of Big Data](#)
- [Integrating Multi Modal end to end Journey Transportation and their interaction](#)
- [Australian National Road Safety Strategy Development](#)
- [Making a shift to battery electric vehicles before 2050](#)

## Discussion papers

In seeking to improve national well-being, productivity and sustainability by influencing key transport decisions TAs has produced the following discussion papers. These are influenced by Transport which we believe should be core touchstones for the activities TAs Committees undertake both to represent and deliver for our members.

- [Aviation Infrastructure Discussion Paper](#) - March 2021
- [Climate Change and Transport Discussion Paper](#) - October 2020
- [Maritime Transport Discussion Paper](#) - June 2020
- [Autonomous Vehicles Discussion Paper](#) - July 2019
- [Mobility as a Service Discussion Paper](#) - July 2019
- [Transport Engineering Education Position Paper](#) - May 2019
- [Transport Australia Society Road Pricing Discussion Paper](#) - May 2019
- [Active Transport Discussion Paper \(PDF\)](#) - April 2019