Secure your seat

in the Australia and New Zealand Driverless Vehicle Initiative
From the ADVI Chairman

As a secret to ultimate success, becoming an ADVI partner offers unrivalled access to a pool of research, academic, industry and government experts who equally share a passion and commitment to leading the safe and successful introduction of driverless vehicles onto our roads.

On behalf of the ADVI team, I invite your organisation to join our highly-successful program and actively contribute to leading-edge autonomous vehicle research, development and testing across Australia and New Zealand.

ADVI is proud to work alongside more than 100 partners to make motoring history. We have already celebrated being the first to successfully conduct an on-road trial anywhere in the southern hemisphere, with more exciting deployments and trials already planned.

We’ve applauded the creation of benchmark legislation designed to support real-world testing opportunities, and watched the community experience first-hand benefits of automated passenger vehicles on public roads, in airports and university campuses across Australia and New Zealand.

ADVI’s advocacy and education efforts continue to achieve growing understanding across government, industry and the community about the many safety, economic, lifestyle and environmental benefits on offer. Our landmark community survey conducted last year provided the most comprehensive snapshot ever available on local community acceptance and understanding of driverless vehicles.

Our survey showed that 46% of respondents believe a self-driving car will be far safer than a human driver, while a staggering 82% understand that one of the greatest benefits on offer is improved mobility for people with driving impairments or medical/physical restrictions.

While interest in such disruptive technology remains strong, ADVI is perfectly placed to provide a single source of contact for community, industry, government and media to access expert opinion across the program’s extensive partnership, knowledge and research base.

We promote better understanding about the improved road safety, reduced emissions, easing of congestion, and improved productivity that can be achieved. Much of the broader business community – particularly those within the wide transport ecosystem – are already considering the need to evolve business models in response to this transport revolution.

Australia and New Zealand have global reputations for encouraging innovation and fostering entrepreneurial spirit, particularly across the technology and advanced manufacturing sectors. Such dynamic environments offer the perfect platform for savvy organisations wanting to establish a local presence, conduct trade, and further their driverless vehicle technology efforts.

As a secret to ultimate success, becoming an ADVI partner offers unrivalled access to a pool of research, academic, industry and government experts who equally share a passion and commitment to leading the safe and successful introduction of driverless vehicles onto our roads.

Such an array of world-leading talent will be on display at the 2nd International Driverless Vehicle Summit to be held in Australia in November 2017, and this presents an opportunity for your organisation to showcase its capabilities and network with some of the leading global minds at this exciting event.

Australia and New Zealand are positioned at the forefront of this global revolution, and ADVI has a leading role to play. To join this journey, and to find out more about ADVI and our partners, I encourage you to visit www.advi.org.au.

Peter Damen,
ADVI Chairman
This activity has been underpinned by a focus on research, engineering and manufacturing, which continues to drive innovation in every corner of our vast continent.

Sadly, most families have been touched in some way by road trauma, and experts say that the biggest safety benefit from driverless vehicles is the potential to eliminate the number of serious and fatal crashes by as much as 90% through advanced driverless vehicle technology.

With such significant benefits within reach, it is ADVI’s view that industry, academia and government must work together to accelerate research outcomes into real world settings. The manufacture and introduction of safer vehicles must transition onto our roads as quickly as possible to realise improved road safety, reduced emissions and congestion, improved productivity and greater mobility.

It is critical to attract innovative international leaders in driverless car technologies, who can work with ADVI and its many partners to ensure the safe and successful transition to driverless vehicles in Australia and New Zealand.

Not since the invention of the internal combustion engine has the motoring world seen such a dynamic technological revolution, with driverless vehicle technology poised to profoundly change the lives and lifestyles of so many people.

With so much at stake, the Australia and New Zealand Driverless Vehicle Initiative (ADVI) is proud to be at the leading edge of a journey which will deliver an array of unrivalled safety, mobility and economic benefits.

Our vision is to accelerate the safe and successful introduction of driverless vehicles to our roads, and we are supported by more than 100 select partners from across the automotive, insurance, transport, motoring, parking, communications, banking, logistics, defense, technology and research sectors, as well as local, state and national governments.

Australia, as the location for the first on-road trial of a driverless vehicle in the southern hemisphere, has already established itself as a thriving hub of development activity in the world of vehicle automation. In addition to celebrating several successful deployments of passenger shuttle buses and transport pods, the Nation has spearheaded progressive legislative changes that support additional on-road testing and have established an international legislative benchmark.

New Zealand is also setting international benchmarks, and its Connected Journeys initiative is one example of how a proactive approach will transform transport as a result of strong policy and development of strategy-setting documents.

Australia and New Zealand are great places to test all forms of technology.

A wide range of climate & road conditions in metropolitan & regional settings

ADVI 100 partners and growing

Australia has world-class universities & research centres 5 ranked in the top 50 1 ranked in the top 20

70% of all freight in New Zealand is carried by road

The appeal of the Australian and New Zealand lifestyle & culture

Road crashes cost Australia and New Zealand more than 2% GDP annually

More than 70% of Australians & New Zealanders own mobile connected devices

Australians are keen adopters of new technology

Secure your seat in ADVI

Secure your seat in ADVI
The state of the nation
See what’s going on around Australia and New Zealand

What we are doing

- Driverless trucks in mines
- Automated Farming
- Shuttle trials
- Exploring truck platooning
- Light Vehicle Trials
- Legislation reviews & implementation
- Urban Planning
- Australian State and Federal Government support
- New Zealand Central Government support

- Unsealed road applications
- Connectivity trials
- Car Sharing
- Exploring mobility options
- Certification
- Published research & position papers
- Research centres
Why research, test and build autonomous technology in Australia?

**Social inclusion & advocacy**

With such significant social, financial and environmental benefits on offer, ADVI continues to implement a dynamic engagement campaign, which includes a focus on mobility issues as a critical part of ongoing advocacy and educative efforts.

Driverless vehicle technology will profoundly impact every single person in the community, and offer lifestyle benefits well beyond just being able to read a book, surf the web, watch a film or talk with passengers on a journey.

ADVI’s own research has shown that 82 per cent of Australians believe that one of the greatest benefits from self-driving vehicles will be enhanced mobility for people with a driving impairment or some type of licence restriction, such as a medical condition or vision impairment.

ADVI’s high-calibre program partners continue to work together to develop a series of thought-leadership papers as part of ongoing advocacy efforts to inform the community, spark debate and encourage greater understanding of the benefits on offer with driverless vehicles.

**Varied road, infrastructure & fleet mix**

Australia and New Zealand offer a wide variety of natural and urban environments, landscapes and road conditions. From remote, unsealed desert roads, to long-distance multi-lane freeways and congested urban road networks, there is diversity aplenty for testing environments.

Both countries offer a national heavy vehicle fleet that is made up of a mixture of imported vehicles. In Australia, there is an almost perfect split of one third each sourced from the US, Asian and European regions, while New Zealand’s shorter transport routes has seen greater preference towards European and Asian options in the heavy vehicle segment.

For organisations that research, design, test and manufacture driverless technologies, this variety provides opportunity to develop solutions that are truly applicable on a global scale.

**Advanced engineering, manufacturing & research capabilities**

Australia and New Zealand offer long and envied histories of advanced engineering and manufacturing, including many small to medium sized suppliers of sophisticated components and robotics technology.

Such local expertise in design and manufacture of components means that savvy organisations wanting to invest in local driverless vehicle testing will have access to the resources needed to develop parts or make repairs. It is these advanced capabilities within the APAC region that should add to an array of drawcard benefits.

**Partnerships & collaboration**

Australia and New Zealand are perfectly positioned as key business hubs for the entire APAC region. ADVI’s extensive partner network and strong industry ties provides the perfect platform to foster new relationships and collaborate within the APAC automotive, research and technology community.

An ADVI partnership can offer international collaborators access to an extensive network of researchers, industry bodies, government departments and a wide range of private sector companies, including telecommunications, insurance, retail and utilities.

**Legislation**

Because the introduction of driverless vehicles onto our roads is supported by government, there are opportunities to conduct on-road testing of driverless vehicles in a range of real-life settings and test beds. Through its strong connections, ADVI can assist international partners to understand local regulations and what is needed to comply with relevant legislative requirements.

A Code of Practice, developed by ADVI, is informing the development of a national Code of Practice for running trials for this emerging technology.

**Security & standards harmonisation**

Because Australia and New Zealand have security infrastructure and architecture already in place, which have been developed in line with international standards, deployment of driverless vehicles can safely be tested with minimal security risks.

Both countries are very active in the standardisation space, both within the APAC region and internationally, and offer the perfect environment to conduct tests and trials.

Varied road, infrastructure & fleet mix

Advanced engineering, manufacturing & research capabilities

Partnerships & collaboration

Legislation

Security & standards harmonisation
Proudly supported by

Some of the foremost national and international experts, decision-makers and thought-leaders in driverless vehicle technologies will come together in Adelaide between 15-17 November to share more about the many exciting activities underway, within the events theme of ‘Translating technology to real world deployment’.

This not-to-be missed event is expected to attract over 100 delegates from a wide range of sectors, including vehicle manufacturers, the defence sector, government, technology industry and academia.

For more information visit www.idvs2017.com.au