Media Release

ITS Australia National Awards Shortlisted Finalists

Melbourne 10 October 2017 – The increasing strength of the Australian Intelligent Transport Systems (ITS) industry has been reflected in a record number of nominations for the 2017 ITS Australia National Awards.

The Judging Panel, comprising ITS leaders, considered nearly twice as many submissions across all categories, compared to 2016.

The ITS Australia National Awards recognise high level individual and team achievement and are an opportunity to celebrate innovation and reward excellence.

In their 8th year, the Awards will be hosted by ITS Australia at The Pavilion, Arts Centre Melbourne, on November 23 2017, when the winners will be announced. The Hon Tim Pallas, Treasurer of Victoria, will present the Awards.

"The Intelligent Transport Systems industry plays an increasingly important role in safer, more efficient and sustainable freight and people movements, and the ITS Australia National Awards recognises those who make significant industry contribution," Treasurer Tim Pallas said.

After much consideration, the 2017 ITS Australia National Awards shortlisted finalists are:

Industry Award

- **Aldridge Traffic Controllers** – **ATSC4 Traffic Signal Controller with VC6.1 TRAFF and HRS Software**
  Project Description: The ATSC4 Controller runs the latest version of the RMS TRAFF software enabling it to take advantage of the latest generation SCATS software. The ATSC4 maintains a high level of performance for safety critical operation when expanding the hardware capability at larger and more complex intersections. This supports the requirement of the SCATS system to run more complex operation.

- **CEOS – Integrated Infra-Red Traffic Logger (TIRTL) and HAREcam systems**
  Project Description: Integration by CEOS of their TIRTL non-intrusive classifier system and their HAREcam controller systems with the Australian Road Research Board's Culway Weigh-in-Motion system to ultimately produce composite images of offending heavy commercial vehicles, which were speeding, tailgating and/or overloaded The entire system is non-intrusive, and eliminates the requirement of installing in-road axle detectors.

- **Cubic Transportation Systems – Manly Ferry Contactless Payments Trial**
  Project Description: The field trial of contactless transport payments on the Manly to Circular Quay ferry route is the first deployment of this technology in both Australia and the Southern Hemisphere. This enables the traveller to use a contactless credit/debit card to tap on instead of their opal card, with the fare calculation and payment processing taking place automatically within the system.

Government Award

- **Queensland Department of Transport and Main Roads - Next Generation Traffic and Travel Information project (QLDTraffic)**
  Project Description: This project delivered QLDTraffic, a customer focused, responsive traffic and travel information service, designed to meet the growing needs of users of our transport system. The service supports the safe, efficient and reliable movement of people and goods by providing road and traffic condition and modal information that is timely, reliable, accurate, and in a consumable format.

- **Transport for New South Wales - Public Transport Information and Priority System (PTIPS)**
  Project Description: The Public Transport Information and Priority System (PTIPS) provides real time data feeds for location for public transport - Bus, Train, Light Rail and Ferry - used by all Transport Apps. PTIPS is world leading. Transport for NSW is the first and currently only agency globally, which provides real-time passenger numbers for the public travelling on buses.

- **VicRoads - MyRo - A Smart Workzone System**
  Project Description: MyRo is an Australia-first fully automated system that provides real time traffic information during construction works through the use of portable and permanent ITS devices. It focuses on making journeys more pleasant and safer for road users and workers in and around work zones.

Automated Vehicle Award **(sponsored by the Australian and New Zealand Driverless Vehicle Initiative – ADVI)**

- **Bosch Australia - Bosch Highly Automated Driving (HAD) vehicle**
  Project Description: The Australian public now knows that Automated Vehicles are a tangible and realistic future. Stakeholders from regulatory level through to consumer level can identify impacts and prepare for the shift to automated driving. Bosch Australia provided a class-leading prototype that can be used for local testing and trials and developed and acquired skills that are instrumental in the proliferation of intelligent transport systems.

- **EasyMile - EZ10 electric driverless shuttle (providing smart mobility solutions for the first/last mile journey)**
  Project Description: The EZ10 driverless shuttle introduced in Darwin will be tested in different stages to assess how the driverless technology can operate as a passenger transport service on an open and public road environment, as well as operating within a dedicated pedestrian environment linking the different dining, retail, recreation and business locations.

  Royal Automobile Club of Western Australia - Learnings from the RAC Automated Vehicle Trial
  Project Description: RAC's purposeful AV Trial is the longest running trial of a Level 4 vehicle in the Australasian region. Having completed 1,720 thirty-minute rides, or 6,000kms in autonomous mode, learnings are being documented and shared with industry and government. More than 9,500 people have registered. The trial allows industry to experience a L4 vehicle in a complex traffic environment while the technology remains largely in development.

Research Award

- **Monash University - DynaMel: A Large-Scale Dynamic Traffic Assignment Model of Melbourne**
  Project Description: DynaMel is the first and only dynamic traffic assignment model of Melbourne addressing complex transportation operations and planning issues of the Melbourne road network. DynaMel overcomes the limitations of traditional static assignment models by using advanced traffic modelling techniques and big traffic data to capture the dynamics of congestion formation and dissipation associated with time-dependent demand and network conditions.

- **Monash University - When human beings are like drunk robots: Driverless vehicles, ethics, and the future of transport**
  Project Description: By applying expertise in the ethics of new technologies (AI and Robotics) to ITS, Monash Univeristy research generates new knowledge, revealing the radical implications of a driverless future on public safety, the environment, urban planning, and transport policy. Vitally, the University's investigation spotlights key ethical challenges facing the future of ITS, providing guidance by way of policy and legislative recommendations.

- **The University of Melbourne - The Australian Integrated Multi-modal Ecosystem**
  Project Description: The Australian Integrated Multi-modal EcoSystem (AIMES) is the world's largest live city-based ITS test environment. Containing high and low speed roads, freeways, bus, tram, heavy freight and city logistic, high pedestrian and cycle traffic, the AIMES test bed brings together 37 industry, government and academic partners, with Cubic's Transport Management Platform (TMP) as the main integration hub.

Young Professional Award

- **James Donovan**
  A Graduate Engineer at Metro Trains Melbourne working in the Office of the Chief Engineer, with a focus on delivering intelligent systems that produce critical operational and safety efficiencies on the metropolitan train network.
- **Tao Wen**
  A Research Scientist with Data61 CSIRO with a focus on traffic equilibrium assignment model, transport demand forecasting, transport simulation and incident management, and data fusion in transport network.
- **Timothy Phillips**
  Employed by Egis as Maintenance Engineer at Legacy Way Tunnel to provide innovative engineering solutions to ensure all ITS work is in harmony.

ITS Australia National Awards Committee Chair, Gino Dompietro said nationwide, Australia is developing and deploying ITS initiatives to benefit communities.

“This year’s shortlist includes nearly every Australian state. This positively reflects Australia’s capability to host local and international trials and pilots, and shows that governments, industry and researchers, across the country, are striving for better transport solutions.

“Congratulations to all our shortlisted finalists and we look forward to celebrating our industry champions at the Presentation Night”.

ITS Australia Chief Executive Susan Harris said the increased number of submissions for the Young Professional Award, in particular, is encouraging.

“Our industry is fast paced and dynamic, providing many exciting career paths. The increased competition for the Young Professional Award is a clear sign of industry investment in young people and that young professionals are making the most of their opportunities. ITS Australia sponsors the winner of the Young Professional Award to attend the next ITS Asia Pacific Forum and we look forward to taking this year’s winner to Fukuoka, Japan in 2018”.

The 2017 ITS Australia National Awards winners will be announced on Thursday November 23 2017.

For Presentation Night Dinner information and table bookings, visit www.its-australia.com.au

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About ITS Australia
Intelligent Transport Systems Australia (ITS Australia) shapes future transport by promoting the development and deployment of advanced technologies to deliver safer, more efficient and sustainable transport across all public and private modes – air, sea, road and rail. Established in 1992, ITS Australia advocates the application of communication, data processing and electronic technologies for in-vehicle, vehicle-to-vehicle, vehicle-to-infrastructure and mode-to-mode systems to increase transport safety and sustainability, reduce congestion, and improve the performance and competitiveness of Australia’s networks. ITS Australia is an independent not-for-profit incorporated membership organisation representing ITS suppliers, government authorities, academia and transport businesses and users. Affiliated with peak ITS organisations around the world, ITS Australia is a major international contributor to the development of the industry and host of the 2001 and 2016 ITS World Congress. Visit: www.its-australia.com.au