



DAY ONE: Monday 3 October

7:30	REGISTRATION OPENS		FOYER	
AUSTRALIA BALLROOM				
9:00	WELCOME ADDRESS - MC Danielle Storey		15 MINS	
9:15	OPENING ADDRESS ONE - Adrian Feeney		15 MINS	
9:30	OPENING ADDRESS TWO - Murl Iyer & Dr Raman Venkatesh		15 MINS	
10:15-10:45	SAE International Mobility in service of Humanity		45MINS	
10:45	KEYNOTE ONE - Remi Bastien Automated Driving for Sustainable Mobility		30 MINS	
11:45	MORNING TEA		Susan Harris – ITS Australia Julian Broadbent – Applied EV Sudarshan Ramachandran - NVIDIA Remi Bastien – Renault (former)	
12:30-13:30	PANEL ONE - Chaired by Gary White Automated Landscape		45 MINS	
13:30	KEYNOTE TWO - Kazu Kato, NHK Spring Co. Comfortable seat for Autonomous vehicles		60 MINS	
13:30	LUNCH		CONCURRENT ONE: AUSTRALIA ONE Digital Transformation in Automotive Industry SESSION CHAIRS: Simon Watkins/ Anthony Geranchev Session Assistants: Yujun Zhao & Jane Xu	
13:30	CONCURRENT TWO: AUSTRALIA TWO Electric, Hydrogen, Fuel Cell Technology SESSION CHAIRS: Frank Will/ Robert Kochhan Session Assistants: Kun Zou		CONCURRENT THREE: AUSTRALIA THREE Vehicle Dynamics and Control SESSION CHAIRS: Gary White / Shane Richardson Session Assistants: Ashih Abeysinghe	
13:30	CONCURRENT FOUR: STATE ROOM Formula SAE, EV and AV SESSION CHAIRS: Scott Wordley / Nick Owen Session Assistants: Bhavin Arya		APAC-21-106 Virtual Gearshift (South Korea) Jiwon Oh	
13:55	APAC-21-110 Sustainable Circular Economy - The Hybrid & EV Battery and the Best Pilot Program (Australia) Dickson Leow		APAC-21-108 Research on Integrated Performance Design for the xEV Braking System (South Korea) Wook Hyun Han	
14:20	APAC-21-115 A Study on developing high heat conductive AI casting alloy by using thermodynamic simulation (South Korea) Hee Sam Kang		APAC-21-114 Proposal of CAT Model Based Benchmarking and System Characteristic Optimization Method for Developing Vehicle Handling Performance (South Korea) Jin Hee Lee	
14:20	APAC-21-118 Gearshift Schedule with Takagi-Sugeno Fuzzy Logic Interference on Two-speed Evs (Australia) Haijing Du		APAC-21-114 An autonomous vehicle at the handling limit: A hierarchical controller based on the Quasi-Steady-State model (Australia) Kyle Tucker	
14:20	APAC-21-124 Optimum Life for Minimum CO2 in Light Duty Vehicles - Comparison of EVs with ICEs on Biogas or CNG (Australia) Harry Watson		APAC-21-148 An autonomous vehicle at the handling limit: A hierarchical controller based on the Quasi-Steady-State model (Australia) Kyle Tucker	
14:45	APAC-21-146 Novel Assessment Approaches to Support Accelerated Automotive Battery Design and Development Using Tailored Mission Profiles (Austria) Muamer Majetic		APAC-21-150 The development of hybrid chassis components applied by the GFRP and steel (South Korea) Pankeun Jeong	
14:45	APAC-21-160 Enhanced Virtual Products and their Influence in Automotive Development, Manufacturing and Testing Processes (Austria) Alexander Kreis		APAC-21-150 The development of hybrid chassis components applied by the GFRP and steel (South Korea) Pankeun Jeong	
15:10	APAC-21-198 Data-driven analysis of Australian EV charging and driving behaviours (Australia) ABSTRACT ONLY Kai Li Lim		APAC-21-167 Prediction of Vehicle Vibration Discomfort using a Transfer Matrix Method (Australia) Jianchun Yao	
15:10	APAC-21-126 Cooperative Intelligent Transport Systems research within the AIMES Environment (Australia) Ada Lin		APAC-21-167 Prediction of Vehicle Vibration Discomfort using a Transfer Matrix Method (Australia) Jianchun Yao	
15:35 - 16:00	AFTERNOON TEA		25 MIN	
AUSTRALIA BALLROOM				
16:00	KEYNOTE THREE - Majid Sarvi, Director of Transport Technology, University of Melbourne Autonomous & Connected Vehicle Transportation		45 MIN	
16:45	DAY ONE WRAP - MC Danielle Storey		15 MIN	
17:00 pm	DAY ONE CLOSE			
WELCOME RECEPTION IN THE ATRIUM Welcome address - Prof Mohammad Fard				

DAY TWO: Tuesday 4 October

7:30	REGISTRATION OPENS		FOYER	
AUSTRALIA BALLROOM				
8:30	CONCURRENT ONE: AUSTRALIA ONE Automated and Connected Mobility 1 SESSION CHAIRS: Ben Cheng / Russel Gallagher Session Assistants: Mark Sittichart Tohmuang		CONCURRENT TWO: AUSTRALIA TWO Mobility Comfort SESSION CHAIRS: Kazu Kato / Tia Gaffney Session Assistants: Kun Zou	
8:30	CONCURRENT THREE: AUSTRALIA THREE Vehicle Crash Safety SESSION CHAIRS: Professor Dr Thilo Roth / Dickson Leow/ Rory Gover Session Assistants: Ashih Abeysinghe		CONCURRENT FOUR: STATE ROOM Manufacturing & Materials SESSION CHAIRS: Matthias Weils / Sam Davis Session Assistants: Shuan Whimpy	
8:30	APAC-21-118 Utterance Understanding based Vehicle Specialized Voice Recognition System (South Korea) Sungsoo Park		APAC-21-119 Development of an intelligent air cleaning system (South Korea) Dong won Yeon	
8:55	APAC-21-127 High Definition mapping for C-ITS (Australia) Varun Srirama		APAC-21-168 A novel automotive HVAC system for inhibition of evaporator contamination (South Korea) Young Wook Kim	
9:20	APAC-21-122 A user-personalized Model for Destination Prediction with Navigation logs (South Korea) Chang Woo Chun		APAC-21-128 A Development for slim and light weight cushion-linked back recliner rear seat (South Korea) Dong-hwan Kim	
9:45	APAC-21-173 Assistance System for Pedestrian Overtaking based on Individual Risk Estimation (Japan) Manh-Dung VU		APAC-21-187 The benefits of variable stiffness and variable damping suspension system on motion sickness (Australia) Yulin Liao	
10:10	APAC-21-131 Ipswich Connected Vehicle Pilot – Safety Evaluation of Vehicle to Infrastructure applications (Australia) Merle Wood		APAC-21-189 Analysis of the performance of Melbourne's High Capacity Metro Train's suspension system under irregular track conditions (Australia) Youwei Song	
10:35 - 11:00	MORNING TEA			
11:00	APAC-21-134 Forecasting near-term (to 2031) uptake of technologies to support transport agency decision-making (Australia) Andrew Somers		APAC-21-138 Development of a testing methodology for Autonomous Vehicles (Australia) ABSTRACT ONLY Andrew White & David Hicks	
11:25	APAC-21-135 Supporting Automated Driving through Investments in Physical Infrastructures (Australia) Robert Kochhan		APAC-21-195 Intelligently Integrating Connected and Autonomous Vehicles in Las Vegas Medical District (USA) ABSTRACT ONLY Sama Khazraian	
11:50	APAC-21-151 Ipswich Connected Vehicle Pilot - System Performance (Australia) Miranda Blogg		CLOSED DOOR SESSION APAC COMMITTEE ONLY - Meeting Room 1	
12:15	APAC-21-154 Designing and Deploying Service-Oriented Architectures with Model-Based Design (Australia) ABSTRACT ONLY Alex Shin		APAC-21-193 Research on Autonomous Vehicle Path Following Control Considering Transient and Nonlinear Tyre Dynamics (Australia) Shilei Zhou	
12:40 - 13:40	LUNCH			
13:40	KEYNOTE 4: Professor Thilo Roth From Mobility Thinking to Vehicle Thinking		50 MINS	
14:30 - 15:00	AFTERNOON TEA			
15:00	PANEL TWO - Chaired by David Young (TAC) Vehicle Technology in Australia: Trials, Policy and Regulation Panel		Samantha Cockfield, Head of Road Safety at the TAC Jonathan Spear, CEO, Infrastructure VIC James Hurnall, Director of Policy at ANCAP Miranda Blogg, Director, CAVI at TMR	
16:10	DAY TWO WRAP - MC Danielle Storey		15 MINS	
16:25	DAY TWO CLOSE			
18:15	SHUTTLE SERVICE DEPARTS			
GALA DINNER @ REGENT THEATRE Hosted by Gary White				

DAY THREE: Wednesday 5 October

7:30	REGISTRATION OPENS		FOYER	
AUSTRALIA BALLROOM				
9:00	Welcome Day 3 - MC Address		10 MINS	
9:10	PANEL THREE - Chaired by Paul Nation (ADF) Defence - Land Assets		Professor Michael Milford, Acting Director QUT Centre for Robotics Mr James Mewing, BAE Systems Red Ochre Labs Professor Jennifer Palmer, Aerospace Engineering & Aviation RMIT University Prof Chris Manzie (Uni Melb)	
10:10-10:40	MORNING TEA			
10:40	CONCURRENT ONE: AUSTRALIA ONE Emerging Transport Technology (Aviation, VTOL and Drones) SESSION CHAIRS: Simon Watkins / Ben Cheng Session Assistants: Nichakorn Pongsakornasathien		CONCURRENT TWO: AUSTRALIA TWO Human Factors & Ergonomics SESSION CHAIRS: James Hurnall Session Assistants: Alessandro Polla	
10:40	CONCURRENT THREE: AUSTRALIA THREE Emissions and Pollutants Caused by Vehicles SESSION CHAIRS: Ludek Hynčik / Rory Gover Session Assistants: Arpan Das		CONCURRENT FOUR: STATE ROOM Vehicle Software and Electronics SESSION CHAIRS: Dr Shane Richardson / Dr Milan Simic Session Assistants: Sara E Rodriguez	
10:40	APAC-21-176 Crashworthiness Review for Electric Vertical Take-Off and Landing Vehicles and Implementation of the Automotive Safety Approach (Germany) Lucas Laarmann		APAC-21-190 Comparison of Four Steering Angle and Lateral Position Measures of Driving Performance (Australia) Jinhui Xu	
11:05	APAC-21-192 Fast-tracking the development of autonomous vehicles, drones and robots via engineering simulation (Australia) ABSTRACT ONLY Thomas Benke		APAC-21-136 Supporting Driver Training - From Vehicles with Advanced Driver Assistance Systems to Fully Autonomous Vehicles (Australia) Mohsin Murtaza	
11:30	APAC-21-178 A Conceptual Design of Barking Drones Fleet Management to Detect and Repulse Cattle (Australia) Man (Annie) Liang		APAC-21-194 Investigation on the Acceptance of Autonomous Vehicles (Australia) Abdulaziz Ayedh A Aldakkhellaiah	
11:55	APAC-21-186 The Threat From Above To Terrestrial Transport (Australia) Simon Watkins		APAC-21-142 EEG-Based Driving Fatigue Detection by using the Topological Data Analysis (TDA) (China) Zhengqing Liu	
12:20	CLOSING PLENARY - AUSTRALIA THREE Conference Summary - Danielle Storey (10 MINS) Invitation to APAC22 - Sangsoon Kwon, SAE Korea (15 MINS) Conference close - Greg Shoemark (5 MINS)		Go to Australia Three	
12:20 - 12:50	Go to Australia Three		Go to Australia Three	
12:50 - 1:50	LUNCH / CONFERENCE CONCLUDES			
2:00 pm	Free Site Tour: Option #01 - Directed Australia Option #02 - RMIT Digital Manufacturing Facility			