Self-Driving Vehicles: Human Factors Challenges and Opportunities

Professor Mike Regan, Chief Scientist – Human Factors, ARRB Group and Adjunct Professor, School of Aviation, University of New South Wales

Self-driving vehicles are those in which some safety-critical control functions can occur without direct driver input. The ARRB Group-led Australian Driverless Vehicle Initiative brings together a wide range of partners from government, industry and academia. It will involve the deployment on Australian public roads of vehicles capable of driving autonomously in a range of traffic scenarios, and will provide a critical step in preparing Australia for the wider deployment of self-driving vehicles. Mike is providing human factors input into the design of the project, and will describe the project and outline some of the key human factors challenges and opportunities to be addressed and embraced in deploying self-driving vehicles on Australian roads.

Professor Mike Regan is Chief Scientist-Human Factors for the ARRB Group, which is Australia’s national, government-owned, transportation research agency. Mike is also an Adjunct Professor with the School of Aviation at the University of New South Wales. He is the Immediate Past President of the Human Factors and Ergonomics Society of Australia.

Mike has degrees in experimental psychology and human factors from the Australian National University and more than 20 years’ experience in transportation human factors and safety – as a researcher, research manager and policy maker. He has designed and led more than 100 major research projects in transportation safety – spanning aircraft, motorcycles, cars, trucks, buses, and trains. He is the author/co-author of more than 200 published documents, including 160 peer-reviewed publications and three books, and sits on the Editorial Boards of 5 peer-reviewed journals, including Human Factors.

Date: Monday 30th March
Time: 2:00 - 4:00pm
Venue: Seminar Room 3, Technology Park Bentley—Conference & Business Function Centre
Address: 2 Brodie Hall Drive, Bentley.

Parking is available at the Function Centre with overflow on the grassed area.

Refreshments will be served after the seminar.

RSVP by 20/03/2015 to matthew.govorko@curtin.edu.au