

THE DEPARTMENT OF PREMIER AND CABINET & FLINDERS UNIVERSITY INVITE YOU TO THE POLICY NETWORK FORUM

Future Mobility

Wednesday 14 August, 2:00-4:00pm

Flinders Victoria Square, Room 1, Level 1, 182 Victoria Square, Adelaide
Afternoon tea for networking opportunities will be provided

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Future Mobility: A New Paradigm

A/Prof Tania Leiman, Dean of Law, College of Business, Government and Law, Flinders University

This presentation will provide an overview of the regulatory framework and the legal implications and challenges of the changing face of mobility. Emerging technologies such as automated cars, marine vessels, trains and drones pose new questions regarding liability, data privacy, corporate responsibility and regulation. Changing business models (transport as a service, ride share, usage based insurance) and the growth in smart cities and connected infrastructure all have potential to significantly impact existing legal frameworks.

Future Transport: Innovation and Technology Adoption

A/Prof Giselle Rampersad, Deputy Director, Innovation of the Australian Industrial Transformation Institute, Flinders University

Three key innovations are impacting transport – autonomy, connectivity and electrification (or energy more broadly). From consumer cars and public transport to defence, mining, construction, agriculture and advanced manufacturing. Our research shows that the performance and reliability of the technology are the key factors driving use. Security and safety are also important. Adoption is also situational: there are early use scenarios and as the technology develops further, acceptance becomes more extensive and deeper – from partial to fully automated - from electric to solar. Another key question is whether one is transporting or replacing a human. From performing a critical mission in defence with autonomous submarines and drones to industrial settings using automated guided vehicles to transport materials in the shipyard and factories: policies need to evolve including transport and the future of work.

Future Mobility: Trialling Innovation in Transport

Joanne Murray, Manager, Strategic Projects, Department of Planning, Transport and Infrastructure (DPTI)

New forms of mobility and innovative transport services are reshaping the way people and goods move in cities and regions around the world. The South Australian Government is embracing new transport services and trialling of new technologies to improve people's every day experiences.

We are on the cusp of a new era of connected, autonomous, shared and electric (CASE) technology with an enormous potential to transform mobility. New forms of mobility technology will enable safer and more efficient transport options. South Australia is taking a leadership role in the application and use of technology to improve transport for customers and shift our thinking towards transport as a technology business. South Australia was the first state to enact legislation to provide a framework to facilitate on-road trials, testing and development of driverless vehicles and other advanced automotive technology. It was also the first state to establish a Future Mobility Lab to trial and develop future mobility technologies providing great opportunities to partner with industry and universities to test and gain insights into how these technologies could shape our future cities and regions. These projects span many elements of the CASE ecosystem. This presentation will provide a snapshot on some of the key projects.