The Road to 21st Century Mobility

2015 Ogden Transport Lecture
Monday 24 August 2015
Free public lecture

Presented by: Professor Peter Sweatman PhD
Director, University of Michigan Transportation Research Institute (UMTRI)
Director, Michigan Mobility Transformation Center (MTC)

The Road to 21st Century Mobility

After a century of automotive advancement, rapid progress in communication, sensing, data science, computation, security and automation technology is providing the opportunity for new business models in mobility. The movement of people and goods is becoming a highly-innovative set of services: on-demand, shared, affordable and ultimately sustainable. This requires public-private partnerships, deployment of new technologies, and rapid learning concerning user acceptance and value creation. The U-M is voting with its feet to create test environments – both off-roadway and onroadway – to facilitate rapid learning and to address barriers to deployment of beneficial technology.

The U-M’s Mobility Transformation Center (MTC) has launched Mcity, a unique off-roadway test environment for connected and automated vehicles. Mcity provides a highly realistic simulation of dense, complex urban environments, and is designed to accelerate the process of deploying highly-automated vehicles on public roads. MTC also operates an expanding on-roadway test environment of 3,000 connected vehicles in Ann Arbor. Plans have also been developed for extensive connected corridors in Southeast Michigan, extending to more than 20,000 vehicles. The U-M’s philosophy of rapid technological deployment, along with multi-disciplinary research conducted with industry and government partners, will be presented and discussed.

Event details:

**Date:** Monday 24 August 2015

**Time:** 6 – 7 pm

Registration and refreshments from 5:15 pm. Prize winning students in transport programs will receive awards in a short ceremony at 6:00 pm

**Venue:** Village Roadshow Theatrette

State Library of Victoria

Corner of Swanston and La Trobe Streets

(Entrance 3, La Trobe Street) Melbourne

**Presented by:** Professor Peter Sweatman PhD

Professor Peter Sweatman has overseen a number of large U.S. intelligent transportation projects of national significance during his tenure at UMTRI. His is one of the most trusted national voices concerning the rapid transition to 21st Century Mobility, and the transformational role of connected and automated vehicles. Under his leadership, the University of Michigan launched Mcity, a world unique test environment for automated and connected technologies, on July 20 2015. That event attracted worldwide media attention as a significant epicenter of transportation innovation.

To book: [www.eng.monash.edu/civil/ogden2015](http://www.eng.monash.edu/civil/ogden2015)

**LinkedIn**

Join the “ITS (Monash)” LinkedIn group to keep informed about our activities