



The 23rd International Congress on Modelling and Simulation (MODSIM2019)
Session F3. New trends in modelling and simulation of future mobility

Call for Papers

The 23rd International Congress on Modelling and Simulation (MODSIM2019) will be held at the National Convention Centre in Canberra, Australia, from 1 to 6 December 2019. Welcome papers submission to the session of “New trends in modelling and simulation of future mobility” for presentation.

Session Scope

The rapid development of electric vehicles (EVs) and autonomous vehicles (AVs) with recent advances in information and communications technology (ICT) and big data brings us new possibilities for modelling and simulation of future person and freight mobility. These opportunities come with challenges such as better utilization and fusion of various data sources (like transit smart cards, social networks, GPS, shared mobility), more flexible public transit services, more integrated mobility services with multimodal transport systems, and more efficient freight mobility solutions. Such opportunities have led to new trends in transport modelling and simulation: (1) moving from traditional instruments such as household travel survey or questionnaire to multi-dimensional data sources, (2) innovative mobility-as-a-service (MaaS) developments, (3) electric, automated and connected transit and freight delivery service design, and (4) tailored services for special groups of travellers like seniors and youths. We invite original research papers in line with one or more of the aforementioned challenges and trends. Specific topics of interest include, but are not limited to:

- Individual mobility and choice behaviour modelling
- Large-scale network modelling and simulation using trajectory data
- Innovative MaaS design
- Synchronization of multimodal transport system
- Planning and operation of electric, connected and autonomous bus
- Carsharing and ridersharing
- Parking management
- Future freight mobility solutions for city logistics.

Submission

Manuscripts should be submitted via [Ex Ordo](#). Please refer to [Instructions for authors and presenters](#) for more detailed information to prepare your papers. If you need help, please send an email to modsim2019@mssanz.org.au.

Important Dates

- Submissions and registrations open: **1 March 2019**
- Full papers and extended abstracts submission deadline: **31 July 2019**
- Notification of acceptance: **30 August 2019**
- Early bird registration by: **30 August 2019**
- All presenting authors registration by: **4 October 2019**
- Last day to register: **22 November 2019**

Session Organisers

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