

# 14<sup>th</sup> International Conference on Advanced Systems in Public Transport

# CASPT 2018

In conjunction with the 4<sup>th</sup> International Workshop and Symposium on  
Research and Applications on the Use of Passive Data from Public Transport

## TRANSITDATA 2018



Showcase your recent research and applications in Australia –  
And meet colleagues from across the world!

**23-25 July 2018      Brisbane Convention Centre, Brisbane, Australia**

We invite researchers and practitioners to participate in a combined event: the 14<sup>th</sup> International Conference on Advanced Systems in Public Transport (**CASPT**), being held in conjunction with the 4<sup>th</sup> International Workshop on Research and Applications on the Use of Passive Data from Public Transport (**TRANSIT DATA**). The combined event will be held on 23-25 July 2018 in Brisbane, Australia.

**CASPT** is an opportunity for you to showcase recent research and applications in advanced systems in public transport. The conference, dating back to 1980, was most recently held in Rotterdam in 2015 and is now coming to Australia. The focus of the conference is on methods for **public transport service and operations planning**, including the following topics:

- Network and route planning
- Vehicle and crew scheduling and rostering
- Operations planning
- Vehicle monitoring and management
- Practical experience with scheduling and transport planning methods

**TRANSITDATA** highlights the use of passive data sources from public transport: automated fare collection, vehicle location (GPS), passenger counting, and related systems. The series brings together researchers and practitioners to discuss methods to **analyse these data** and to **develop innovative applications** to improve public transport services. Topics include:

- Tools for data management and analysis
- Multi-modal operations and service planning
- Operations monitoring and control
- Demand analysis
- Customer experience and traveller behaviour at the disaggregate level

This exciting combined conference is targeted at transport operators, planners, consultants and academics that are involved in research, development or applications of state-of-the-art and emerging quantitative methods in public transport planning, service delivery, operations, and traveller experience.

# CASPT 2018 and TRANSITDATA 2018

23-25 July 2018  
Brisbane, Australia



## Important Dates:

Extended Abstract Submission: **15 December 2017**  
(up to 1000 words)

Notification on Abstracts: **31 January 2018**

Full Paper Submission: **15 May 2018**

Early Bird Registration: **15 May 2018**

Discounted registration will be offered for students.  
More details on registration will be posted to the  
conference website ([www.caspt.org](http://www.caspt.org)).

## For Submission:

Abstract and paper submission will be managed  
through EasyChair. We particularly invite abstracts  
and papers that **cross disciplines**, covering both  
service planning and operations supply models, as  
well as creative uses of existing automated data  
sources. We welcome contributions in **methods**,  
**applications** and **case studies**.

## CASPT International Scientific Committee:

**Hong K. Lo**, Hong Kong University of Science and Technology,  
*Convener*

**Avi Ceder**, Technion – Israel Institute of Technology

**Charles Fleurent**, GIRO

**Mark Hickman**, The University of Queensland

**Fumitaka Kurauchi**, University of Gifu

**Raymond Kwan**, University of Leeds

**Janny Leung**, Chinese University of Hong Kong

**Pitu Mirchandani**, Arizona State University

**Rabi` Mishalani**, The Ohio State University

**Juan Carlos Muñoz**, Pontificia Universidad Católica de Chile

**Dario Pacciarelli**, Uni Roma Tre

**Martin Trépanier**, École Polytechnique de Montréal

**Stefan Voss**, Universität Hamburg

**Nigel Wilson**, Massachusetts Institute of Technology

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**Maguelonne Chandesris**, SNCF

**Taku Fujiyama**, University College London

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**Martin Trépanier**, École Polytechnique de Montréal

**Niels van Oort**, Delft University of Technology

**Nigel Wilson**, Massachusetts Institute of Technology

## Local Organizing Committee:

**Mark Hickman**, The University of Queensland

**Kelly Bertolaccini**, The University of Queensland

## Sponsoring Institutions:

The University of Queensland

**Additional sponsorships available**; contact Mark Hickman  
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