

# CASPT2021

Tel-Aviv, Israel  
3-7 October 2021

# TransitData2021

**Welcome** (Researchers, Practitioners, Policy Makers)

Stay tuned for updates @ [www.caspt.org](http://www.caspt.org)

The 15<sup>th</sup> International Conference on Advanced Systems in Public Transport (CASPT2021) will be held in Tel Aviv (Israel) **from 3<sup>rd</sup> to 7<sup>th</sup> of October 2021**. It will be held in conjunction with the 7<sup>th</sup> International Workshop and Symposium on Research and Applications on the Use of Passive Data from Public Transport (TransitData).

**The CASPT series** is the premier gathering for public transport leaders from academia, industry and government, and for all those interested in gaining a deeper understanding of public transport service and operations planning for current and future systems.

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

**Previous CASPT** conferences took place in: Brisbane, Australia 2018; Rotterdam, Netherlands 2015; Santiago, Chile 2012; Hong Kong, 2009; Leeds, UK 2006; San Diego, USA 2004; Berlin, Germany 2000; Boston, USA 1997; Lisbon, Portugal 1993; Montreal, Canada 1990; Hamburg, Germany 1987; Montreal, Canada 1983; Leeds, UK 1980; and Chicago, USA 1975.

**Previous TransitData** workshops took/will take place in: Toronto, Canada 2020 (forthcoming); Paris, France 2019; Brisbane, Australia 2018; Santiago, Chile 2017; Boston, USA 2016; Gifu, Japan 2014.

**Call for papers and extended abstracts** (Important dates of **two alternative tracks**)

### Full-paper track

**15 December 2020** Deadline for submission of full papers

**15 April 2021** Notification of the 1<sup>st</sup>-round review of full papers, and acceptance for presentation

**15 July 2021** Submission of revised version for selected full papers

### Extended-abstract track (up to 1000 words)

**15 February 2021** Deadline for extended abstract submission

**15 May 2021** Notification of the review result, and acceptance for presentation

**15 August 2021** Submission of revised version of the extended abstracts

**3-7 October 2021** CASPT2021 and TransitData

**Topics include, but are not limited to:**

- Planning (network design, timetabling, vehicle and driver scheduling)
- Operations (monitoring, control, robustness, flexibility, efficiency, reliability)
- Control (real-time strategies, synchronization)
- Modelling, optimization, visualization and simulation techniques
- Mobility and accessibility needs, social equity, security
- Policy (governance, economics, tendering)
- Mobility as a Service (MaaS), Transportation Network Companies (TNCs), Mobility on Demand and ride-sharing
- Modal shift, multimodality, integration of modes
- Behavioral models (mode and route choice)
- Facilities and asset management (rolling stock, terminals, switches)
- Environmental impacts (emissions, noise control, energy)
- Traffic modeling and engineering, and safety aspects of transit services
- Big data, ITS (decision-making and management support)
- Case studies
- Future challenges and opportunities.

Organized by:

Bar-Ilan University  
אוניברסיטת בר-אילן



TECHNION  
Israel Institute  
of Technology



**Papers' Awards:** Three (or more) awards will be presented to the best papers, including for young authors.

**Publications:** Papers accepted to journals (following a review process) will be published in three journals: *Public Transport*, *Transportation Research Part C: Emerging Technologies*, and *Transport Policy*.

This publication includes papers accepted from the outset for the full-paper track, as well as full papers from accepted extended abstracts, which will be published subsequent to the conference.

**Venue:** Intended Venue: Herods Hotel, Tel Aviv.

**Events:** Various events, including a trip to Jerusalem and technical visits.

**Local Organizers:** Yuval Hadas, Bar-Ilan University  
Avi Ceder, Technion– Israel Institute of Technology  
Oded Cats, Delft University of Technology (TransitData coordinator).



## International Committees:

### CASPT International Scientific Committee:

Juan Carlos Muñoz, Pontifica Univ Católica de Chile, **co-convener**  
Mark Hickman, The University of Queensland, **co-convener**  
Avi Ceder, Technion – Israel Institute of Technology  
Joachim Daduna, Hochschule für Wirtschaft und Recht Berlin  
Charles Fleurent, GIRO  
Fumitaka Kurauchi, University of Gifu  
Raymond Kwan, University of Leeds  
Janny Leung, Chinese University of Hong Kong  
Hong K. Lo, Hong Kong University of Science and Technology  
Pitu Mirchandani, Arizona State University  
Rabi Mishalani, The Ohio State University  
Dario Pacciarelli, Roma Tre University  
Anita Schöbel, University of Kaiserslautern  
Martin Trépanier, École Polytechnique de Montréal  
Stefan Voss, Universität Hamburg  
Nigel Wilson, Massachusetts Institute of Technology

### TransitData Planning Committee:

Oded Cats, Delft University of Technology  
Maguelonne Chandèsris, SNCF  
Taku Fujiyama, University College London  
Brendan Hemily, Independent Consultant  
Mark Hickman, University of Queensland  
Haris Koutsopoulos, Northeastern University  
Fumitaka Kurauchi, University of Gifu  
Monica Menendez, University of Illinois Urbana-Champaign  
Rabi Mishalani, The Ohio State University  
Catherine Morency, École Polytechnique de Montréal  
Marcela Munizaga, Universidad de Chile  
Juan Carlos Muñoz, Pontifica Universidad Católica de Chile  
Jan-Dirk Schmöcker, Kyoto University  
Amer Shalaby, University of Toronto  
Martin Trépanier, École Polytechnique de Montréal  
Niels van Oort, Delft University of Technology  
Nigel Wilson, Massachusetts Institute of Technology