



CASPT & Transit Data 2027, 21 - 24 June 2027 in Stockholm

KTH Royal Institute of Technology

# Call for Papers

CASPT & Transit Data 2027 invite the submission of original contributions on all aspects of public transport planning, operations, control, policy, and data-driven innovation. The joint event will bring together researchers, practitioners, and policymakers to share advances in theory, methods, and applications that enhance the performance, efficiency, and sustainability of public transport systems.

Two types of papers can be submitted. **Regular scientific papers** and **practitioner-oriented work**, showcasing practical insights, or innovative applications that may not yet be developed into full papers.

## Topics

- Planning and Design
- Operations, Control, and Management
- Technology, Data, and Computing
- Energy, Environment, and Sustainability

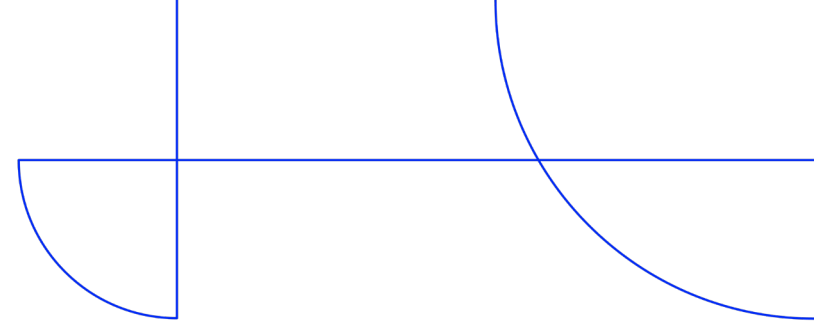
## Important dates

- 17 August 2026 - Paper submission opens
- 16 October 2026 - Submission deadline
- 1 February 2027 - Acceptance notification

Read more about topics on the next page.

Read more: <https://www.caspt-transitdata2027conf.kth.se/>

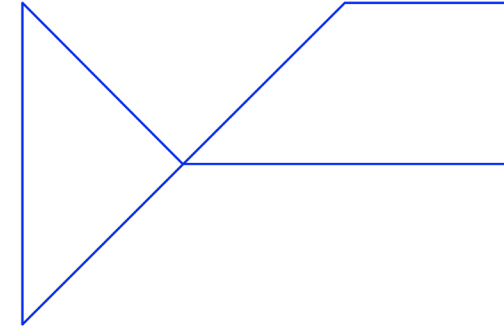
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# Topics

Topics of interest include, but are not limited to:

## Planning and Design

- Network design, service planning, and timetable optimization
- Fleet planning, vehicle and crew scheduling, and resource allocation
- Assess planning, infrastructure and facilities planning, including terminals and interchanges
- Integration of public transport with on-demand, shared, electric, automated mobility services

## Operations, Control, and Management

- Real-time monitoring, control, and reliability improvement
- Robust and flexible operations under uncertainty and disruption
- Traffic management, synchronization, and adaptive control strategies
- Demand management and information provision (e.g., disruptions, crowding, public health)
- Facilities and asset management, including rolling stock, depots, and switches

## Technology, Data, and Computing

- Intelligent Transport Systems (ITS) applications in public transport
- Simulation, digital twins, and visualization for analysis, control, and decision support
- Operation research methods and AI/ML/LLM algorithms for public transport systems
- Data quality, security, privacy, and standard for public transport
- Leveraging synthetic and passively collected data (e.g., smartcard, mobile phone, GTFS) for research and practice
- Data-driven passenger demand modeling and behavioral analytics

## Energy, Environment, and Sustainability

- Energy management and electrification of public transport fleets
- Hydrogen and vehicle-to-grid (V2G) systems in public transport
- Environmental performance models, emissions reduction/mitigation measures, and noise control
- Strategies for energy-efficient and low-carbon public transport

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