

9.00
Invited Lecture IV

Chairperson: Jaime Barceló

Overview of Advanced Traffic Control Issues in ITS
Markus Papageorgiou

Room A

10.00
Traffic Systems

Chairperson: Pitu Michandani

Irreducibility of Traffic Systems
Srinivas Peeta, Raghubhushan Pasupathy

A Computational Method for Dynamic and Stochastic Revenue, Management Problems
Anton J. Kleywegt, Vijay Bharadwaj

11.30
Real Time Operations in Transportation

Chairperson: Stefano Pallottino

Exploiting Knowledge About Future Demands for Real-Time Vehicle Dispatching
Soumia Ichoua, Michel Gendreau, Jean-Yves Potvin

Real-Time Transportation Systems: Modeling, Analysis and Design
Pitu B. Mirchandani

Optimizing Real Time Operations in Transportation with an Ant System
Karl Doerner, Manfred Gronalt, Richard F. Hartl, Marc Reimann

14.00
Real Time Operations in Traffic Control

Chairperson: Jean-Yves Potvin

A New Algorithm for Real-Time Estimation of Dynamic OD Tables
Michel Bierlaire, Frank Crittin, Benoît Emonet

An Expected Opportunity Loss in Information Acquisition Processes Under ATIS
Eiji Hato, Yasuo Asakura, Masuo Kashiwadani

Integrating Real-Time Bus Priority Control with Robust Arterial Signal Progression
Meenakshy Vasudevan, Gang-Len Chang

Room B

10.00
Freight Transportation I

Chairperson: Hani S. Mahmassani

A Forecasting Model for Inland Navigation
Stella Fiorenzo Catalano, Nanne Van der Zijpp

A Column Generation Scheme for Shipment Planning at an Oil Refinery
Maud Göthe-Lundgren, Jan T. Lundgren, Jan A. Persson

11.30
Freight Transportation II

Chairperson: Maud Gothe-Lundgren

Routing of Hazardous Materials on Dissimilar Paths
Pasquale Carotenuto, Giuseppe Confessore, Salvatore Ricciardelli

Planning Models for Freight Transportation in Congested Urban Areas
Teodor Gabriel Crainic, Nicoletta Ricciardi, Giovanni Storchi

Heuristic Algorithms for Solving Hazardous Materials Transportation and Emergency Response Problems
Konstantinos G. Zografos, Konstantinos N. Androutopoulos

14.00
Freight Transportation III

Chairperson: Jan Lundgren

Auction Mechanisms for Freight Transportation
Jawad Abrache, Teodor Gabriel Crainic, Michel Gendreau

Dynamic and Stochastic Fleet and Freight Management: Algorithm Development and Performance Analysis
Xiangwen Lu, Amelia Regan, Sandra Irani

Dynamic Truck Operation Strategies for Truckload Pickup and Delivery Problems with Time Windows
Yongjin Kim, Patrick Jaillet, Hani S. Mahmassani

Room C

10.00
Panel II

Chairperson: Michel Gendreau

Computational Testing

11.30
Integrated Models in Logistics II

Chairperson: Jorge Pinho de Sousa

Frequency-Based Algorithms for the Minimization of the Transportation and Inventory Costs on a Single Link
Luca Bertazzi, Maria Grazia Speranza

An Integrated Model for Logistics Network Design
Jean-François Cordeau, Federico Pasin, Marius M. Solomon

Terminal Location Integrated with Ship Routing
Mikael Rönnqvist, Dick Carlsson

14.00
Vehicle Routing II

Chairperson: Michael Gendreau

Ship Scheduling with Restricted Port Opening Hours
Marielle Christiansen, Kjetil Fagerholt

Cost Models in Vehicle Routing Problems
Lawrence Bodin, John Sniezek

Vehicle Routing for the Collection of Recyclable Waste – A Case Study
João Teixeira, António Antunes, Jorge Pinho de Sousa