Tuesday September 24
IT-University of Copenhagen (Rued Langgaards Vej 7, 2300 Copenhagen)

14:30 – 15:30 Registration

Master class Math heuristics

15:30 – 16:30 TBA Stefan Voß
16:30 – 17:00 Break
17:00 – 18:00 TBA Stefan Voß

18:00 – 20:00 Welcome reception

Wednesday September 25
Denmark Technical University (Anker Engelunds Vej 1, 2800 Kgs. Lyngby)

08:30 – 09:00 Registration & Coffee

09:00 – 09:15 Welcome Stefan Voß & Niels Buus

Keynote
09:15 – 10:00 Speed optimisation in maritime transport Harilaos Psaraftis
10:00 – 10:30 Break

Session 1 Logistics 1
Chair: Anna Paias

10:30 – 11:00 Sampling Based Approaches for Stochastic Emissions Minimized Paths in Urban Areas Jan Ehmke
11:00 – 11:30 Throughput evaluation of buffered unreliable production lines with machines having multiple failure modes Yalaoui Farouk
11:30 – 12:00 From Preparedness to Recovery: A Tri-level Programming Model for Disaster Relief Planning Janny Leung

12:00 – 13:00 Lunch

13:00 – 17:30 Technical excursions
Thursday September 26
Denmark Technical University (Anker Engelunds Vej 1, 2800 Kgs. Lyngby)

08:30 – 09:00 Registration & Coffee

Keynote
09:00 – 09:30 Risk Management at the Copenhagen Metro
Nicola De Negri

Session 2
Road Transport
Chair: Martin Olsen
09:30 – 10:00 Dynamic Routing on OpenStreetMap Using Ant Colonies
Sebastian Iwanowski
10:00 – 10:30 Urban Freight Transportation Planning: A Dynamic Stackelberg Game-Theoretic Approach
Bo Zhang
10:30 – 11:00 Break

STREAM A (Parallel session)

Session 3A
Supply Chain
Chair: Stefan Voß
11:00 – 11:30 Analysis of Future LNG Infrastructure Capacity Using the World Gas Model
Seksun Moryadee
11:30 – 12:00 A Tractable Two-Stage Robust Winner Determination Model for Truckload Service Procurement
Bo Zhang
12:00 – 12:30 Preliminary Study of the Impact of Individual Representation of a Genetic Algorithm in a Logistics Problem
Francisco Herbert-Acero
12:30 – 13:30 Lunch

Session 4A
Logistics 2
Chair: Janny Leung
13:30 – 14:00 Towards Real-time Data Acquisition for Simulation of Logistics Service Systems
Stefan Mutke
14:00 – 14:30 Anticipatory Decision Making with Unknown Customer Locations for Logistics Service Providers
Ulmer Marlin
14:30 – 15:00 Comparison of Two Driver Rostering Models
Margarida Moz
15:00 – 15:30 Column generation based heuristic for three dimensional vehicle loading problem
Satyaveer Chuhan
15:30 – 16:00 Break

Session 5A
Aviation
Chair: Hanne Løhmann Petersen
16:00 – 16:30 Airport Gate Assignment: A Versatile Model of the Problem
Urszula Neuman
16:30 – 17:00 Comparing Revenue Optimization Models for Low Cost Carriers Supporting Connecting Flights - A Case Study
Ulrich Derigs
STREAM B (Parallel session)

Session 3B  Vehicle Routing 1
Chair: Min Wen

11:00 – 11:30  Dynamic collaborative transportation planning: A rolling horizon planning approach  Xin Wang

11:30 – 12:00  A GRASP for a Multi-Depot Multi-Commodity Pickup and Delivery Problem with Time Windows and Heterogeneous Fleet in the Bottled Beverage Industry  Roger Z. Ríos-Mercado

12:00 – 12:30  TSP with Multiple Time- Windows and Selective Cities  Ana Paias

12:30 – 13:30  Lunch

Session 4B  Maritime Shipping
Chair: Line Blander Reinhardt

13:30 – 14:00  Horizontal Collaboration in Tramp Shipping  Min Wen

14:00 – 14:30  How Will the Marine Emissions Trading Scheme Influence International Containership's Profit and CO2 Emissions  Zehui Huang

14:30 – 15:00  A Hub Location Problem in Multimodal Networks  Anna Sciomachen

15:00 – 15:30  The Tank Allocation Problem in Bulk Shipping  Charlotte Vilhelmsen

15:30 – 16:00  Break

Session 5B  Liner Shipping
Chair: Alberto Delgado

16:00 – 16:30  An LNS approach for Container Stowage Multi-Port Master Planning  Dario Pacino

16:30 – 17:00  A Node Flow Model for the Inflexible Visitation Liner Shipping Fleet Repositioning Problem with Cargo Flows  Kevin Tierney

17:00  Social Dinner
Session 6  Road Transport 2  Chair: Rune Larsen

09:00 – 09:30  An integrated simulation and business intelligence framework for designing and planning demand responsive transport systems

09:30 – 10:00  On the Complexity of Computing Optimal Private Park-and-Ride Plans

10:00 – 10:30  Predicting Road Accidents Based on Current and Historical Spatio-temporal Traffic Flow Data

10:30 – 11:00  Break

Session 7  Container Terminal Operations  Chair: Rune Møller Jensen

11:00 – 11:30  Hierarchical control of equipment in automated container terminals

11:30 – 12:00  Integrated Berth Allocation-Quay Crane Assignment Problem: Reformulations, Improved Constraints and Computational Results

12:00 – 12:30  A Comparison of Heuristics for Greedy Algorithms Applied to the Pre-Marshaling Problem

12:30 – 13:30  Lunch

Session 8  Vehicle Routing 2  Chair: Frederick Schulte

13:30 – 14:00  Integrating Dray Optimization into an Intermodal Planning and Execution System.

14:00 – 14:30  Consolidation of container flows for truck-based drayage in the hinterland of a sea port

14:30 – 15:00  An Application of Late Acceptance Hill-Climbing to the Traveling Purchaser Problem

15:00 – 15:20  Closing

15:20  Coffee

17:30  Copenhagen Canal Tour (optional, ca. 75 DKK)