Chair:
For all parallel sessions, the last speaker is appointed to be chair. If the last speaker does not turn up for the session, the second last speaker will be the chair.
The role of the chair is to open and close the session, be a strict time keeper, and ensure that all speakers are present with their presentations transferred to the local PC before the start of the session. If there are any technical difficulties, one of the members of the organization committee should be contacted. An overview of where to find a committee member at all times during the conference will be available.

In case a speaker does not turn up for her/his session, use the original presentation times to allow for session hopping.

Each presentation should last for maximum 20 minutes, leaving 5 minutes for questions.

Rooms:
A1: Auditorium 1
A2: Auditorium 2
UR1: Undervisningsrom 1
UR2: Undervisningsrom 2
UR3: Undervisningsrom 3
GR4: Grupperom 4
GR7: Grupperom 7
Both auditoriums are located at the ground floor
All other rooms are located at the second floor
Monday 23 June 2014

09:00 - 10:15: Opening session and Plenary session 1

A1: Opening session
Chair: Geir Hasle

A1: Plenary session 1
Chair: Marielle Christiansen

Rommert Dekker  Robust planning of transportation systems  Rommert Dekker

10:45 - 12:00: Parallel sessions

A2 MON 10:45-12:00: Dynamic and Stochastic Problems 1
Chair: Alexander Kleff

Harilaos Psaraftis  Dynamic vehicle routing problems: Three decades and counting  Harilaos Psaraftis, Christos Kontovas and Min Wen

Sofoclis Zambiris  The Disrupted Vehicle Routing Problem with Vehicle Breakdown  Sofoclis Zambiris and Richard Eglese

Alexander Kleff  Estimating times of arrival and reacting to changing scenarios for a tour in progress  Alexander Kleff

UR1 MON 10:45-12:00: TSP Variants
Chair: Stefan Irnich

Tal Raviv  The minimum complete cycle problem  Tom Cherchy and Tal Raviv

Luis Gouveia  Modeling and Solving the One-to-One Multi-Commodity Pickup and Delivery Traveling Salesman Problem  Luis Gouveia and Mario Ruthmair

Stefan Irnich  Efficient Dynamic Programming for the Minimum Tour Duration Problem  Christian Tilk and Stefan Irnich
**UR2 MON 10:45-12:00: Railway Applications**

*Chair: Carlo Mannino*

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<tr>
<td>Olesya Lebedeva</td>
<td>A large-scale fleet management problem</td>
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<td>Pawel Hanczar</td>
<td>The tactical planning model for rail freight transportation with empty cars movements and periodic inspections: a case study</td>
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<tr>
<td>Carlo Mannino</td>
<td>Optimal train dispatching in Norway</td>
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**UR3 MON 10:45-12:00: Bi-objective Problems**

*Chair: Elin E. Halvorsen-Weare*

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<tr>
<td>José A. Iranzo</td>
<td>A hybrid evolutionary algorithm for the biobjective capacitated m-ring star problem</td>
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<td>Sandra Huber</td>
<td>Incorporating preferences of a decision maker in a bi-objective Inventory Routing Problem</td>
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<tr>
<td>Elin E. Halvorsen-Weare</td>
<td>A bi-objective mixed capacitated general routing problem</td>
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**GR4 MON 10:45-12:00: Multi-period VRP**

*Chair: Marlin W. Ulmer*

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<tr>
<td>Burcin Bozkaya</td>
<td>A Periodic VRP Model for Optimizing Courier Collection Operations</td>
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<td>Alexander Shchegryaev</td>
<td>Problem of Time Inconsistency in Multi-period Vehicle Routing Problems</td>
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<td>Marlin W. Ulmer</td>
<td>Anticipatory Optimization for a Dynamic Multi-Period Routing Problem</td>
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**GR7 MON 10:45-12:00: Shortest Path Problems**

*Chair: Dag Kjenstad*

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<td>Tobia Calogiuri</td>
<td>The Time-dependent Quickest Path Problem: Properties and Bounds</td>
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<td>Dag Kjenstad</td>
<td>Intermodal journey planning with real-time events</td>
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13:45 - 15:00: Parallel sessions

A2 MON 13:45-15:00: Dynamic and stochastic problems 2
Chair: Magdalene Marinaki

Rune Larsen: A framework for solving stochastic vehicle routing problems in a dynamic setting using a deterministic solver
Rune Larsen and Marco Pranzo

Christian Prins: Metaheuristics for the robust vehicle routing problem with discrete scenarios
Elyn Solano Charris, Christian Prins and Andréa Cynthia Santos

Magdalene Marinaki: Relinking for the Vehicle Routing Problem with Stochastic Demands
Magdalene Marinaki and Yannis Marinakis

UR1 MON 13:45-15:00: Capacitated vehicle routing problem
Chair: Demetrio Laganà

Farah Zeghal Mansour: A Branch-and-Price approach for the Capacitated Vehicle Routing Problem
Mohamed Haouari and Farah Zeghal Mansour

Kenan Karagul: Physics-Inspired Optimization Algorithm for Obtaining Initial Routes of Capacitated Vehicle Routing Problem
Kenan Karagul, Sezai Tokat and Erdal Aydemir

Demetrio Laganà: An Adaptive Variable Neighborhood Search Algorithm for the Capacitated Vehicle Routing Problem
Demetrio Lagana, Roberto Musmanno and Daniele Vigo

UR2 MON 13:45-15:00: Air Traffic Management
Chair: Nina Hulleberg

Tomas Eric Nordlander: Integrated scheduling and routing at an airport
Patrick Schittekat, Dag Kjenstad, Carlo Mannino, Tomas Eric Nordlander and Morten Smedsrud

Marius Sandvik: Conflict resolution between flights at airports using network simplex
Marius Sandvik

Nina Hulleberg: Rescheduling airside operations of an airport for optimality and stability
Nina Hulleberg

UR3 MON 13:45-15:00: Arc routing
Chair: Erwin Pesch

José María Sanchis: On the Distance-Constrained Generalized Directed Rural Postman Problem
Thais Ávila, Ángel Corberán, Isaac Plana and José María Sanchis

Ana Catarina Nunes: Non-overlapping routes for the mixed capacitated arc routing problem
Miguel Constantino, Luis Gouveia, Maria Cândida Mourão and Ana Catarina Nunes

Erwin Pesch: The Windy Rural Postman Problem with a Time-Dependent Zigzag Option
Jenny Nossack, Bruce Golden, Erwin Pesch and Rui Zhang
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<th>Chair: Nitin Ahuja</th>
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<td>Dimitrios Gkortsilas</td>
<td>Eco-friendly Vehicle Routing via Balanced and Compact Clustering</td>
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<td>Nitin Ahuja</td>
<td>A Cluster-First-Route-Second-Approach for Solving Rich Vehicle Routing Problems in Urban and Suburban Areas</td>
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<th>GR7 MON 13:45-15:00: Green Vehicle Routing</th>
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<td>Ulrich Breunig</td>
<td>A simple but effective LNS for the 2-Echelon VRP</td>
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<td>Jose A Montoya</td>
<td>A simple hybrid heuristic for the Green Vehicle Routing Problem</td>
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<tr>
<td>Christos Kontovas</td>
<td>The Green Ship Routing and Scheduling Problem (GSRSP)</td>
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**15:30-16:45: Parallel sessions**

**A2 MON 15:30-16:45: Dynamic and Stochastic Problems 3**  
**Chair: Alan King**

- Thierry Pironet  
  Multi-period vehicle assignment problem with stochastic load availability  
  Thierry Pironet and Yves Crama

- Pradip Kundu  
  Solid Transportation Problem with Rough Cost Parameters  
  Pradip Kundu, Samarjit Kar and Manoranjan Maiti

- Alan King  
  Modeling fashion inventory management in a multi-store setting  
  Alan King, Miao He and Robin Lougee

**UR1 MON 15:30-16:45: VRP Variants 1**  
**Chair: Juan-Jose Salazar-González**

- Claudio Gambella  
  Exact and Heuristic Solutions of the Carrier-Vehicle Travelling Salesman Problem  
  Claudio Gambella, Daniele Vigo and Andrea Lodi

- Junmin Yi  
  1L-CVRP Originated from Logistics Practice  
  Junmin Yi and Yihui Qiu

- Juan-Jose Salazar-González  
  The single vehicle routing problem with variable capacity  
  Francois Louveaux and Juan-Jose Salazar-González

**UR2 MON 15:30-16:45: Barge Transportation**  
**Chair: Tony Wauters**

- Ioana Bilegan  
  A Revenue Management Approach for Barge Transportation Service Network Design  
  Ioana Bilegan and Teodor Gabriel Crainic

- Rob Zuidwijk  
  Barge Port-Hinterland Container Network Design  
  Panagiotis Ypsilantis, Rob Zuidwijk and Morteza Pourakbar

- Tony Wauters  
  Barge Convoy Voyage Optimization  
  Tony Wauters, Jan Christiaens and Greet Vanden Berghe

**UR3 MON 15:30-16:45: Capacitated General Routing Problems**  
**Chair: Ingvild Lyckander**

- Lukas Bach  
  A Branch-and-Cut-and-Price Algorithm for the Mixed Capacitated General Routing Problem  
  Lukas Bach, Jens Lysgaard and Sanne Wøhlk

- Geir Hasle  
  An Adaptive Iterated Local Search for the Mixed Capacitated General Routing Problem  
  Mauro Dell’Amico, Jose Carlos Diaz Diaz, Geir Hasle and Manuel Iori

- Ingvild Lyckander  
  Metaheuristics for multi-objective Mixed Capacitated General Routing Problems  
  Ingvild Lyckander, Markus Grasmair, Elin Halvorsen-Weare and Geir Hasle
### GR4 MON 15:30-16:45: Waste Management
**Chair:** Maria João Cortinhal

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<td>Onur Yilmaz</td>
<td>A literature review on reverse logistics of waste electrical and electronic equipment</td>
<td>Onur Yilmaz and Bahadir Gulsun</td>
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<td>Iliya Markov</td>
<td>Vehicle Routing for a Complex Waste Collection Problem</td>
<td>Iliya Markov, Sacha Varone and Michel Bierlaire</td>
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<td>Maria João Cortinhal</td>
<td>Meta-heuristics for residential waste collection problems</td>
<td>Maria João Cortinhal, Maria Cândida Mourão and Ana Catarina Nunes</td>
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### GR7 MON 15:30-16:45: Maritime Transportation
**Chair:** Trond Johnsen

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<tr>
<td>Gregorio Tirado</td>
<td>Efficient solution methods for stochastic and dynamic maritime transportation problems</td>
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<td>Kristian Thun</td>
<td>Solving the liner shipping network design problem using branch-and-price</td>
<td>Kristian Thun, Henrik Andersson, Marielle Christiansen and Magnus Stålhane</td>
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<td>Trond Johnsen</td>
<td>Decision support for maritime fleet size and mix</td>
<td>Trond Johnsen</td>
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**09:00 - 10:15: Plenary session 2**

A1: Plenary session 2  
Chair: Elin E. Halvorsen-Weare  

Claudia Archetti  
Matheuristics for routing problems  
Claudia Archetti

**10:45-12:00: Parallel sessions**

A2 TUE 10:45-12:00: Routing with Distance Constraints  
Chair: Thibaut Vidal

Jens Lysgaard  
Optimal vehicle routing with lower and upper bounds on route durations  
Jens Lysgaard and Tolga Bektas

Markus Reuther  
A Lin-Kernighan Heuristic for the DVRP  
Markus Reuther and Ralf Borndoerfer

Thibaut Vidal  
On-line traveling salesman with duration and distance considerations  
Thibaut Vidal and Patrick Jaillet

UR1 TUE 10:45-12:00: VRP Variants 2  
Chair: Efim M. Bronshtein

Nicola Bianchessi  
An exact solution approach for the Split Commodities Mixed Routing problem  
Nicola Bianchessi, Claudia Archetti and M. Grazia Speranza

Hanne Pollaris  
Integrating axle weight restrictions in a two-dimensional vehicle routing problem with sequence based loading  
Hanne Pollaris, Kris Braekers, An Caris, Gerrit K. Janssens and Sabine Limbourg

Efim M. Bronshtein  
Minimax School Bus Problem  
Efim M. Bronshtein and Diana M. Vagapova
UR2 TUE 10:45-12:00: Multiple Compartments  
Chair: Leandro C. Coelho

Raza Khan: Optimization of Inter-depot Trunking with heterogeneous fleet and Semi-Trailer Swap option  
Tino Henke: An Exact Approach to the Multi-Compartment Vehicle Routing Problem with Flexible Compartment Sizes  
Leandro C. Coelho: Classification, models and exact algorithms for multi-compartment delivery problems

UR3 TUE 10:45-12:00: Pickup and Delivery 1  
Chair: Thomas Wensing

Enrique Benavent: The multiple vehicle pickup and delivery problem with LIFO constraints  
Julia Funke: A model for a multi-size Hinterland Container Transportation Problem  
Thomas Wensing: Planning Pickup and Delivery Operations in Finished Vehicle Distribution

GR4 TUE 10:45-12:00: Inventory Routing 1  
Chair: Tim Pigden

Pasquale Avella: Cutting planes for Multi-Vehicle Inventory Routing Problems  
Francesca Vocaturo: A heuristic approach to the multiple-product inventory-routing problem  
Tim Pigden: A Decision Support System for the Management of Petroleum Distribution

GR7 TUE 10:45-12:00: Speedup Techniques and Parallelism  
Chair: Bülent Çatay

Christian F. Schulz: A GPU-based TSP-solver  
Onne Beek: A computational study of efficient Local Search implementations for the Vehicle Routing Problem  
Bülent Çatay: A parallel matheuristic for solving a class of vehicle routing problems
### 13:45-15:00: Parallel sessions

**A2 TUE 13:45-15:00: Routing with Synchronization Constraints**  
Chair: Fabien Lehuédé

- **Philippe Grangier**  
  An adaptive large neighborhood search for the Two-Echelon Multi-Trip Vehicle Routing Problem with Satellite Synchronization  
  Philippe Grangier, Michel Gendreau, Fabien Lehuédé and Louis-Martin Rousseau

- **Sophie N. Parragh**  
  Field Staff Routing and Scheduling  
  Sophie N. Parragh, Karl F. Doerner and Richard F. Hartl

- **Fabien Lehuédé**  
  A full truckload routing and scheduling problem with split delivery and resource synchronization  
  Axel Grimault, Nathalie Bostel and Fabien Lehuédé

**UR1 TUE 13:45-15:00: VRP Variants 3**  
Chair: Gerben Groenendijk

- **Mouaouia Cherif Bouzid**  
  An Adaptive Large Neighborhood Search Heuristic for the Truck & Trailer Routing Problem  
  Mouaouia Cherif Bouzid, Hacene Ait Haddadene and Said Salhi

- **Sameh Haneyah**  
  Simultaneous Vehicle Routing and Resource Assignment  
  Sameh Haneyah, Thomas Visser and Leendert Kok

- **Gerben Groenendijk**  
  Departure Time Optimization in Vehicle Routing  
  Gerben Groenendijk and Leendert Kok

**UR2 TUE 13:45-15:00: Network Design and Facility Location 1**  
Chair: Stein Wallace

- **Xin Wang**  
  A Pair-wise Heuristic Approach for Stochastic Time-dependent Service Network Design  
  Xin Wang, Stein W. Wallace and Teodor Crainic

- **Michael Boegl**  
  Design of a hybrid public transit system in a rural area  
  Michael Boegl, Karl Doerner and Andrea Kurz

- **Stein W. Wallace**  
  Stochastic network design with rerouting  
  Ruibin Bai and Stein W. Wallace
UR3 TUE 13:45-15:00: Pickup and Delivery 2
Chair: Emmanouil Zachariadis

M. Grazia Speranza
The Vehicle Routing Problem with Divisible Deliveries and Pickups
Claudia Archetti, Gabor Nagy, M. Grazia Speranza and Niaz A. Wassan

Marjolein Veenstra
Ordering of packages in the single vehicle many-to-many pickup and delivery problem
Marjolein Veenstra

Emmanouil Zachariadis
The Load-Dependent Vehicle Routing Problem and its Pick-up and Delivery Extension
Emmanouil Zachariadis, Christos Tarantilis and Chris Kiranoudis

GR4 TUE 13:45-15:00: Inventory Routing 2
Chair: Halit Uster

Maria Elbek
Collection of Recyclable Materials with Unknown Filling Rate
Maria Elbek and Sanne Wøhlk

Martin Grunewald
An Integrated Inventory-Transportation System with Periodic Pick-Ups and Leveled Replenishment
Martin Grunewald, Thomas Volling and Thomas S. Spengler

Halit Uster
Outbound Logistics Optimization to Coordinate Aggregate-level Production-Distribution Decisions with Operational-level Vehicle Routing Decisions
Halit Uster and Gopalakrishnan Easwaran

GR7 TUE 13:45-15:00: Share/Dial-a-ride problems 1
Chair: Marco Oberscheider

Baoxiang Li
An Adaptive Meta-heuristic for the Share-a-Ride Problem
Baoxiang Li, Dmitry Krushinsky, Tom Van Woensel and Hajo A.Reijers

Rick van Urk
Optimized time differentiated parcel delivery using private and public transport
Rick van Urk, Martijn Mes and Marco Schutten

Marco Oberscheider
Analysis of different levels of service for a static multi depot dial-a-ride problem
Marco Oberscheider and Patrick Hirsch
### 15:30-16:20: Parallel sessions

#### A2 TUE 15:30-16:20: Dynamic and Stochastic Problems 4
**Chair: Barrett Thomas**

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<td>Cedric Verbeeck</td>
<td>The orienteering problem with time-dependent stochastic travel times</td>
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<td>Barrett Thomas</td>
<td>Same Day Delivery for Online Purchases</td>
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<td>Cedric Verbeeck, Pieter</td>
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<td>Barrett Thomas, Stacy Voccia and Ann Campbell</td>
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#### UR1 TUE 15:30-16:20: Benchmarks and Comparison
**Chair: An Caris**

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<td>Jorge E. Mendoza</td>
<td>VRP-REP: A vehicle routing community repository</td>
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<td>An Caris</td>
<td>A methodological framework to optimize and compare VRP algorithms</td>
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<td>Jorge E. Mendoza, Maxim Hoskins, Christelle Guéret, Victor Pillac and Daniele Vigo</td>
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<td>Benoît Depaire and An Caris</td>
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#### UR2 TUE 15:30-16:20: Network Design and Facility Location 2
**Chair: Blas Pelegrin**

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<tr>
<td>Gianfranco Guastaroba</td>
<td>Kernel search for capacitated facility location problems</td>
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<td>Blas Pelegrin</td>
<td>Strategy location in chain expansion under delivered pricing</td>
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<td>Gianfranco Guastaroba and M. Grazia Speranza</td>
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<td>Blas Pelegrin, Pascual Fernández Hernández and Maria Dolores García Pérez</td>
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#### UR3 TUE 15:30-16:20: Home care and technician routing 1
**Chair: Falk Meyerholz**

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<td>Falk Meyerholz</td>
<td>A computational comparison of different formulations for a rich VRP arising in homecare staff routing and scheduling</td>
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<td>Falk Meyerholz, Stefanie Schlutter and Michael Drexl</td>
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#### GR4 TUE 15:30-16:20: Bike and vehicle sharing
**Chair: Patrick Vogel**

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<td>Patrick Vogel</td>
<td>A mix-integer programming formulation and hybrid metaheuristic for tactical planning in bike sharing systems</td>
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<td>Mauro Dell'Amico, Manuel Iori, Stefano Novellani and Thomas Stützle</td>
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<td>Patrick Vogel, Bruno Neumann and Dirk Mattfeld</td>
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## Wednesday 25 June 2014

### 09:00 - 10:15: Parallel sessions

#### A2 WED 09:00-10:15: VeRoLog Solver Challenge 1  
Chair: Martin Josef Geiger

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<td>On Solving the Swap Body Vehicle Routing Problem</td>
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<td>Raca Todosijevic</td>
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<td>Martin Josef Geiger</td>
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#### UR1 WED 09:00-10:15: VRP Variants 4  
Chair: Joanna Bauer

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<td>Yves Crama, Mahmood Rezaei and Tom Van Woensel</td>
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<td>Véronique François</td>
<td>Vehicle routing problems with multiple trips: using specific local search operators</td>
<td>Véronique François, Yasemin Arda, Yves Crama and Gilbert Laporte</td>
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<td>Joanna Bauer</td>
<td>Adapting the Savings Heuristic to Capacitated Open Vehicle Routing</td>
<td>Joanna Bauer and Jens Lysgaard</td>
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#### UR2 WED 09:00-10:15: Routing Problems with Profits 1  
Chair: Pamela Nolz

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<td>Ángel Corberán</td>
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<td>Fabien Tricoire</td>
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<td>Sophie Parragh and Fabien Tricoire</td>
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<td>Pamela Nolz</td>
<td>A bi-objective orienteering problem for activity scheduling with multiple time windows and dependencies</td>
<td>Pamela Nolz, Ulrike Ritzinger and Fabien Tricoire</td>
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**UR3 WED 09:00-10:15: Pickup and Delivery 3**

**Chair: Javier Faulin**

- Emrah Demir: An adaptive large neighborhood search algorithm for the pickup and delivery problem with fixed scheduled line services
  - Veaceslav Ghilas, Emrah Demir and Tom Van Woensel

- Lotte Verdonck: Analysing and solving the joint route planning problem in a horizontal carrier cooperation context
  - Lotte Verdonck, An Caris, Benoît Depaire, Katrien Ramaekers and Gerrit K. Janssens

- Javier Faulin: A Multi-Start Biased algorithm for the Vehicle Routing Problem with Backhauls
  - Javier Belloso, Javier Faulin and Angel Juan

**GR4 WED 09:00-10:15: Maritime Inventory Routing**

**Chair: Magnus Stålhane**

- Vitoria Pureza: Some contributions to mathematical modeling of ship inventory routing in the oil industry
  - Vitoria Pureza, Amelia Stanzani, Bruno Da Silva, Denise Yamashita and Reinaldo Morabito

- Ahmad Hemmati: A General Short Sea Inventory-Routing Problem
  - Ahmad Hemmati, Lars Magnus Hvattum, Marielle Christiansen and Gilbert Laporte

- Magnus Stålhane: Introducing Vendor Managed Inventory Service in Tramp Shipping
  - Magnus Stålhane, Henrik Andersson, Marielle Christiansen and Kjetil Fagerholt

**GR7 WED 09:00-10:15: Share/Dial-a-ride problems 2**

**Chair: Michael Schilde**

- Sacha Varone: An insertion heuristic for a dynamic Dial-a-Ride Problem using geographical maps
  - Sacha Varone and Vytenis Janilionis

- Yves Molenbruch: Operational Effects of Variations in Service Level Criteria for the Dial-a-Ride Problem
  - Yves Molenbruch, Kris Braekers and An Caris

- Michael Schilde: Integrating stochastic time-dependent travel speed in solution methods for the dynamic dial-a-ride problem
  - Michael Schilde, Karl F. Doerner and Richard F. Hartl
10:45 - 12:00: Parallel sessions

A2 WED 10:45-12:00: VeRoLog Solver Challenge 2
Chair: Nabil Absi

Haihong Xiao  A Hybrid Heuristics for the Vehicle Routing Problem with Swap Location  Mingliang Tao, Yateng Hong, Meng Wang, Jun Li and Haihong Xiao

Rick van Urk  Heuristically Solving the Swap-Body Vehicle Routing Problem  Rick van Urk and Arturo Pérez Rivera

Nabil Absi  A relax-and-repair procedure for the Swap-Body VRP  Nabil Absi, Diego Cattaruzza, Dominique Feillet and Sylvain Houssemann

UR1 WED 10:45-12:00: Vehicle Routing with Time Windows 1
Chair: Remy Spliet

Marilène Cherkesly  A Hybrid Metaheuristic for the Pickup and Delivery Problem with Time Windows and LIFO Loading  Marilène Cherkesly, Guy Desaulniers and Gilbert Laporte

Çağrı Koç  A Hybrid Evolutionary Algorithm for Heterogeneous Fleet Vehicle Routing Problems with Time Windows  Çağrı Koç, Tolga Bektaş, Ola Jabali and Gilbert Laporte

Remy Spliet  The Discrete Driver Assignment Vehicle Routing Problem  Remy Spliet and Guy Desaulniers

UR2 WED 10:45-12:00: Routing Problems with Profits 2
Chair: Verena Schmid

Demetrio Laganà  A branch and cut algorithm for the Undirected Capacitated General Routing Problem with profits  Demetrio Laganà, Claudia Archetti, Luca Bertazzi and Francesca Vocaturo

Frédéric Semet  A unified math-heuristic framework for multi-constraint travelling salesman problems with profits  Rahma Lahyani, Mahdi Khemakhem and Frédéric Semet

Verena Schmid  Problem with Time Windows and Service Time Dependent Profits  Verena Schmid

UR3 WED 10:45-12:00: Location Routing
Chair: Henrik Andersson

Mingzhe Li  A Stochastic Location-Routing Model for Prepositioning and Distributing Emergency Supplies  Yidon Zhang, Aakil Caunhye, Mingzhe Li and Xiaofeng Nie

Yannis Marinakis  A Multi-Start Variable Neighborhood Search Algorithm with Path Relinking for the Location Routing Problem with Stochastic Demands  Yannis Marinakis and Magadalene Marinaki

Henrik Andersson  Integrated production planning and distribution in the newspaper industry  Henrik Andersson
**GR4 WED 10:45-12:00: Port logistics**  
Chair: Jorge Riera-Ledesma

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<td>Carsten Boll</td>
<td>New Generation Container Port</td>
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<td>Modelling logistics systems involving straddle carriers and quay cranes in container terminals</td>
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<td>Scheduling of Intelligent and Autonomous Vehicles under pairing/unpairing collaboration strategy in container terminal: Exact Approaches</td>
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**GR7 WED 10:45-12:00: Electric Vehicle Routing 1**  
Chair: Bülent Çatay

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<td>Afrodití Anagnostopoulou</td>
<td>The Electric Vehicle Routing Problem with Time Windows: recent trends and insights for future research</td>
<td>Afrodití Anagnostopoulou, Maria Boile, Sotirios Theofanis, Eleftherios Sdoukopoulos and Dimitrios Margaritis</td>
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13:45 - 14:35: Parallel sessions

**A2 WED 13:45-14:35: VeRoLog Solver Challenge 3**
*Chair: Vladimir Deineko*

- Jan Christiaens: A heuristic approach to the Swap-Body Vehicle Routing Problem
- Vladimir Deineko: A framework for vehicle routing: an application for the swap-body vehicle routing problem

**UR1 WED 13:45-14:35: Vehicle Routing with Time Windows 2**
*Chair: Duygu Tas*

- Diego Cattaruzza: An Iterated Local Search for the Multi Commodity Multi Trip Vehicle Routing Problem with Time Windows
- Duygu Tas: A Vehicle Routing Problem with Flexible Time Windows

**UR2 WED 13:45-14:35: Freight Consolidation**
*Chair: Marco Schutten*

- Leonardo Malta: Models for intermodal transportation integrating container assembling and routing
- Marco Schutten: Consolidation planning in transportation networks with transshipments

**UR3 WED 13:45-14:35: Home care and technician routing 2**
*Chair: Barrett Thomas*

- Sixtine Binart: A two-stage column generation based method for a field service routing problem with stochastic travel and service times
- Barrett Thomas: The Technician Routing Problem with Experience-based Service Times
GR4 WED 13:45-14:35: Bike and vehicle sharing 2  
Chair: Burak Boyacı  
Mor Kaspi  
Partial Parking Reservation Policies in One-Way Vehicle Sharing Systems  
Mor Kaspi, Tal Raviv, Michal Tzur and Hila Ben-David  
Burak Boyacı  
Optimizing fleet relocation operations for one-way electric car-sharing systems  
Burak Boyacı, Nikolas Geroliminis and Konstantinos Zografos

GR7 WED 13:45-14:35: Electric Vehicle Routing 2  
Chair: Michael Schneider  
Min Wen  
A combined station location and vehicle recharging problem  
Min Wen and Stefan Ropke  
Michael Schneider  
Recharging Decisions in Electric Vehicle Routing  
Michael Schneider and Stefan Irnich

15:00 - 1600: Awards and closing session  
A1: Awards  
A1: Closing session  
Chair: Stein Wallace