

ROUTE 2011
Hotel Antemare, Sitges (Barcelona) Spain
May 31 - June 3, 2011

TUESDAY, MAY 31, 2011

5.30 – 7.30 PM Reception Desk

7.30 – 8.30 PM Welcome Reception

8:30 PM Dinner

WEDNESDAY, JUNE 1, 2011

8:30 AM – 10:00 AM

- **The Split Delivery Capacitated Team Orienteering Problem - M. Grazia Speranza** (Coauthors: Claudia Archetti, N. Bianchessi, Alain Hertz)
- **A template based adaptive large neighborhood search for the consistent vehicle routing problem – Richard Hartl** (Coauthors: Attila A. Kovacs, Sophie N. Parragh)
- **The 2-Echelon Vehicle Routing Problem – Roberto Wolfler** (Coauthors: Roberto Baldacci, Aristide Mingozzi and Roberto Roberti)

10:00 AM – 10:30 AM **Coffee - Break**

10:30 AM – 12:00 PM

- **Synchronized Arc Routing for Snow Plowing – Gilbert Laporte** (Coauthors: M. Angélica Salazar, André Langevin)
- **Vehicle routing problems arising in servicing offshore oil installations – Irina Gribkovskaia** (Coauthors: Aliaksandr Shyshou, Fubin Qian, Gilbert Laporte, Kjetil Fagerholt, Øyvind Halskau)
- **Location of Electric Replenishment Stations for Electric Vehicles – Oli B. G. Madsen** (Coauthors: Gilbert Laporte, Anders V. Nørrelund, Allan Olsen, Min Wen)

12:00 AM – 12.15 AM **Mini Break**

12:15 AM – 1.15 PM

- **Improved Lower Bounds for Node and Arc Routing Problems - Marcus Poggi** (Coauthors: Eduardo Uchoa, Artur Pessoa, Rafael Martinelli, Henrique Viana, Diego Pecin, Humberto Longo)

- **Solving a 2-depot driver-and-vehicle routing problem – Juan José Salazar González.**

1:15 PM – 3:00 PM **Lunch**

3:00 PM – 4:30 PM

- **Metaheuristics for the Traveling Salesman Problem with Pickups, Deliveries and Handling Costs (TSPPD-H) - Maria Batarra** (Coauthors: Günes Erdogan, Gilbert Laporte, Daniele Vigo)
- **Analysis and Branch-and-Cut Algorithm for the Time-Dependent Travelling Salesman Problem - Gianpaolo Ghiani** (Coauthors: Jean-François Cordeau, Emanuele Guerriero)
- **The Minimum Labeling Hamiltonian Cycle Problem – Frédéric Semet** (Coauthors: Nicolas Jozefowicz, Gilbert Laporte)

4:30 PM – 5:00 PM **Coffee Break**

5:00 PM – 7:00 PM

- **Vehicle routing in networks with time-varying speeds - Richard Eglese** (Coauthors: Jiani Qian)
- **Solving a Vehicle Routing Problem with a non-linear load dependant cost function - David Pisinger** (Coauthors: Simon Spoorendonk, Allan Larsen, David Pisinger, Stefan Ropke)
- **The Travelling Salesman Problem with Draft Limits – Marielle Christiansen** (Coauthors: Jørgen Glomvik Rakke, Kjetil Fagerholt, Gilbert Laporte)
- **Neighborhood Evaluation on GPU for the DVRP – Geir Hasle** (Coauthors: Christian Schulz)

THURSDAY, JUNE 2, 2011

8:30 AM – 10:00 AM

- **Cut-First Branch-and-Price-Second for the Capacitated Arc Routing Problem – Stefan Irnich** (Coauthors: Claudia Bode)
- **A New Variant of the Windy Postman Problem – Benjamin Dussault** (Coauthors: Bruce Golden, Chris Groer, Edward Wasil)
- **A branch-price-and-cut method for the min-max k-windy rural postman problem – Guy Desaulniers** (Coauthors: Enrique Benavent, Ángel Corberán, François Lessard, Isaac Plana, José M. Sanchis)

10:00 AM – 10:30 AM **Coffee - Break**

10:30 AM – 12:00 AM

- **A Hybrid Genetic Algorithm for the multi-depot and periodic vehicle routing problems** – **Michel Gendreau** (Coauthors: Thibaut Vidal, Teodor G. Crainic, Nadia Lahrichi, Walter Rei)
- **Guidance mechanisms for parallel cooperative metaheuristic search for VRP** – **Arne Løkketangen** (Coauthors: Jianyong Jin, Teodor G. Crainic)
- **A hybrid algorithm for general Vehicle Routing Problems** - **Arnand Subramanian** (Coauthors: Luiz Satoru Uchi, Eduardo Uchoa)

12:00 AM – 12.15 AM **Mini Break**

12:15 AM – 1.15 PM

- **Optimization of a real-world auto-carrier transportation problem** – **Manuel Iori** (Coauthors: Mauro Dell'Amico, Simone Falavigna)
- **Emergency Room Scheduling featuring Optimization of Intra-hospital Routing** – **Karl Doerner** (Coauthors: Verena Schmid)

1:15 PM – 3:00 PM **Lunch**

FRIDAY, JUNE 3, 2011

8:30 AM – 10:00 AM

- **Dynamic NG-path Relaxation** – **Roberto Roberti** (Coauthors: Roberto Baldacci, Aristide Mingozzi)
- **Natural and Extended formulations for the Time-Dependent Travelling Salesman Problem** – **Luis Gouveia** (Coauthors: Maria T. Godinho, Pierre Pesnau)
- **A matheuristic for the truck and trailer routing problem** - **Christian Prins** (Coauthors: Juan G. Villegas, Caroline Prodhon, Andrés L. Medaglia, Nubia Velasco)

10:00 AM – 10:30 AM **Coffee Break**

10:30 AM – 12:00 AM

- **An ILP Local Search Algorithm for the Capacitated m-Ring-Star Problem** – **Paolo Toth** (Coauthors: Zhara Naji-Azimi, Majid Salari)
- **Improved Column Generation for Highly Degenerate Master Problems** – **Jacques Desrosiers** (Coauthors: Jean-Bertrand Gauthier, Marco E. Lübbecke)

- **The core of traveling salesman games: computational experiments – Stefan Ropke**

12:00 AM – 12.15 AM **Mini Break**

12:15 AM – 1.15 PM

- **Analysis of the Maximum Level Policy in a Production-Distribution System.- Claudia Archetti** (Coauthors: Luca Bertazzi, Giuseppe Paletta, M. Grazia Speranza)
- **A stochastic inventory routing problem for infectious medical waste collection – Dominique Feillet** (Coauthors: Pamela C. Nolz, Nabil Absi)

1:15 PM – 3:00 PM **Lunch**

3:00 PM – 5:00 PM

- **Cooperative Games: the Unobservable Routing and the Communication Networks Queuing games - Soshana Anily** (Coauthors Moshe Haviv)
- **The Generalized Arc Routing Problem - Elena Fernández** (Coauthors: Julián Aráoz, Carles Franquesa)
- **The Team Orienteering Arc Routing Problem – José M. Sanchis** (Coauthors: Claudia Archetti, Ángel Corberán, Isaac Plana, M. Grazia Speranza)
- **Reactive and Proactive Routing Strategies with Real-Time Traffic Information - Jaume Barceló** (Coauthors: J. Arturo Orozco)

5:00 PM – 5:30 PM **Coffee Break**