

## Program

### Monday, 27.08.12

- 8:30-9:00      *Registration for OptALI*  
9:00-9:15      Welcome Address
- 9:15-10:30     **Lecture 1 - Part I**  
Matthias Ehrgott:  
Multiobjective Optimization for Robust Solutions in Practice
- 10:30-11:00    *Coffee Break*
- 11:00-12:30    **Lecture 1 - Part II**  
Matthias Ehrgott:  
Multiobjective Optimization for Robust Solutions in Practice
- 12:30-13:30    *Lunch*
- Session 1: Multiobjective Optimization**
- 13:30-14:00    Siamak Moradi:  
Traffic Assignment and Bi-Objective Multi-Commodity Flow
- 14:00-14:30    Olga Perederieieva:  
Solving the Time Surplus Maximisation Bi-Objective User Equilibrium Model of Traffic Assignment
- 14:30-15:00    Jonas Ide:  
Robustness in Multiobjective Optimization
- 15:00-15:30    *Coffee Break*
- Session 2: Scheduling**
- 15:30-16:00    Antony Phillips:  
Optimisation based Models and Methods for the University Course Timetabling Problem
- 16:00-16:30    Morten Tiedemann:  
An LP-Based Heuristic for Flexible Job Shop Scheduling
- 16:30-17:00    Andrew Mason:  
OpenSolver & SolverStudio - Free tools for optimisation using Excel
- 19:00-          Dinner at ZAK

## Tuesday, 28.08.12

- 9:00-10:30     **Lecture 2 - Part I**  
Jesper Larsen and Richard Lusby:  
Column Generation in Industrial Applications
- 10:30-11:00     *Coffee Break*
- 11:00-12:30     **Lecture 2 - Part II**  
Jesper Larsen and Richard Lusby:  
Column Generation in Industrial Applications
- 12:30-13:30     *Lunch*
- Session 3: Transportation**
- 13:30-14:00     Claus Gwiggner:  
Rules and Algorithms in Tactical Air Traffic Management
- 14:00-14:30     Andrea Raith:  
Robust Bicriteria Paths - Robustness Concepts and Solution  
Methods
- 14:30-15:00     Per Thorlacius:  
Rolling Stock Rotation Planning at DSB S-tog
- 15:00-15:30     *Coffee Break*
- 15:30-17:00     OptALI Board Meeting  
(group leaders only)

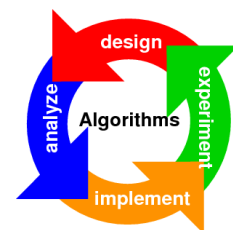
## Wednesday, 29.08.12

- 9:00-10:30     **Lecture 3 - Part I**  
Clemens Thielen:  
Algorithmic Game Theory and Applications
- 10:30-11:00     *Coffee Break*
- 11:00-12:30     **Lecture 3 - Part II**  
Clemens Thielen:  
Algorithmic Game Theory and Applications
- 12:30-13:30     *Lunch*
- Session 4: Nonlinear Optimization**
- 13:30-14:00     Gert Lube:  
Optimal Control of Convection Dominated Transport Problems
- 14:00-14:30     Mohammed Thaher:  
Efficient Algorithms for the Maximum Convex Sum Problem
- 14:30-15:00     Ruth Hübner:  
Robust Integer Nonlinear Optimization
- 15:00-             Social Event (including Barbecue)

## Thursday, 30.08.12

### Session 5: Decision Making under Uncertainty

- 10:00-10:30 Jutta Geldermann:  
Uncertainties in Decision Making in Production and Logistics
- 10:30-11:00 Susanne Wiedenmann:  
Supply Planning under Uncertainties for the Industrial Use of Renewable Resources
- 11:00-11:30 *Coffee Break and Registration for DFG Workshop*
- 11:30-12:30 **Keynote Talk**  
Horst Hamacher:  
Evacuation Planning Using Combined Network Flow and Location Models
- 12:30-14:00 *Lunch*
- 13:30-14:00 *Registration for DFG Workshop*
- 14:00-15:00 **Lecture**  
Anita Schöbel:  
Robust Optimization
- 15:00-16:30 **Invited Lecture**  
Sebastian Stiller
- 16:30-17:00 *Coffee Break*
- Session 6: Issues on Robustness**
- 17:00-17:30 Rastislav Sramek  
What can we learn from two instances of the same problem?
- 17:30-18:00 Daniel Schmidt:  
Single-Commodity Robust Network Design
- 18:00-18:30 Marie Schmidt:  
Robust Timetable Information
- 19:00- Dinner at Sambesi



## Friday, 31.08.12

### Session 7: Recovery Robustness

9:00-9:30	Marc Goerigk Recovery Robustness with Metrics
9:30-10:00	Christina Büsing: <i>k</i> -Distance Recovery Robustness
10:00-10:30	Open problem presentations
10:30-11:00	<i>Coffee Break</i>
11:00-12:30	Group work on open problems
12:30-13:30	<i>Lunch</i>
13:30-14:30	Presentation of results

