

Mini-Workshop on Integrated Timetabling

FOR 2083

Institute for Numerical and Applied Mathematics

University of Göttingen

15-17 May 2017

Monday

Time	Content
14.00 - 15.00	Timetabling Challenges <i>invited talk by Marie Schmidt</i>
15.00 - 15.30	<i>break</i>
15.30 - 16.10	Detecting and Exploiting Structures in Traffic Planning Problems Involving Timetabling <i>Christian Puchert</i>
16.10 - 16.50	Extended Configuration Based Models for the Train Timetabling Problem <i>Frank Fischer</i>
16.50 - 17.10	<i>break</i>
17.10 - 17.50	Comparing Different Algorithms for Periodic Timetabling <i>Julius Pätzold</i>
17.50 - 18.30	Models and Heuristics for Timetable Optimization <i>Christian Liebchen</i>
19.00	<i>dinner</i>

Tuesday

Time	Content
09.00 - 10.00	On the Integrated Timetabling and Passenger Routing Problem <i>invited talk by Ralf Borndörfer</i>
10.00 - 10.20	<i>break</i>
10.20 - 11.00	Timetabling with Integrated Routing of Passengers <i>Johann Hartleb</i>
11.00 - 11.40	Passenger-Oriented Timetabling – Do Transfers Really Matter? <i>Geert-Jaap Polinder</i>
11.40 - 12.20	Integrating Periodic Timetabling and Passenger Routing <i>Philine Schiewe</i>
12.20 - 13.30	<i>lunch</i>
13.30 - 14.10	A New Robust Local Search Method and its Application to Uncertain Timetabling <i>Marc Goerigk</i>
14.10 - 14.50	Agent-Based Simulation of Passenger Behavior for Delay Management <i>Sebastian Albert</i>
14.50 - 15.30	Delay Management with PANDA <i>Matthias Müller-Hannemann</i>
16.30	<i>hiking and dinner</i> At 16.33 bus line 11 will depart from station <i>Schillerstraße</i> in direction <i>Zietenterassen</i> . You can take this bus to station <i>Grete-Henry-Straße</i> where we will start our hike.

Wednesday

Time	Content
09.00 - 10.00	Integrating Timetabling with Vehicle and Crew Scheduling at a Freight Railway Operator <i>invited talk by Twan Dollevoet</i>
10.00 - 10.30	<i>break</i>
10.30 - 11.10	A Matheuristic Approach for Integrated Timetabling and Vehicle Scheduling Problem <i>João Paiva Fonseca</i>
11.10 - 11.50	Integrated Timetabling and Vehicle Scheduling for the Copenhagen Metro <i>Evelien van der Hurk</i>
11.50 - 12.30	A Look-Ahead Heuristic for Integrated Planning in Public Transportation - First Ideas <i>Alexander Schiewe</i>
12.30	<i>lunch</i>