



DFG FOR 2083

Hot Topic Workshop: Integrated Planning in Public Transport

6-8 March 2023

Hotel Klostermühle, Münchweiler an der Alsenz

Please plan approximately 20 minutes for your talk, leaving 10 minutes for discussion.

Monday

9:00	<i>Technical visit of the Fraunhofer Institute for Industrial Mathematics (ITWM)</i>
11:31	<i>Departure from Kaiserslautern main station (RB65 to Bingen, platform 1)</i>
12:00	Lunch
13:30	Welcome
13:40	Narayan Rangaraj Integrated passenger timetabling and freight corridor planning on rail networks
14:10	Stephan Bütikofer Modelling approaches for travel chains of customers in LinTim
14:40	Christian Liebchen Periodic Timetabling with Integrated Track Choice for Railway Construction Sites
15:10	Coffee break
15:40	Niels Lindner Column Generation for the Periodic Event Scheduling Problem
16:10	Evelien van der Hurk A matheuristic for passenger service optimization through timetabling with free passenger route choice
16:40	Philine Schiewe Timetabling and Passenger Routing with Vehicle Capacities
19:00	Dinner

Tuesday

09:00	Matthias Müller-Hannemann Passenger-Friendly Real-Time Disposition in Public Transport
09:30	Vera Grafe Recoverable Robust Periodic Timetabling
10:00	Twan Dollevoet Integrated crew re-planning at a passenger railway operator
10:30	Coffee Break
11:00	Francesco Corman Sometimes wrong, but useful: integrating information in public transport
11:30	Tobias Harks Prediction Equilibrium for Dynamic Traffic Assignment
12:00	Otto Anker Nielsen Public transport route choice modelling: Reducing estimation bias when using smart card data
12:30	Lunch
14:00	Rowan Hoogervorst The Bus Rapid Transit Investment Problem
14:30	Malte Billen Vehicle Scheduling for an All-Electric Intercity Bus Operator
15:00	Coffee Break
15:15	Hiking (around 6km, max. 2 hours)
19:00	Dinner

Wednesday

09:00	Anita Schöbel Line planning for multiple demand periods
09:30	Mark Hickman Estimating Costs and Benefits of Line Plan Changes through Timetabling and Vehicle Scheduling
10:00	Florian Fuchs Combining Arc- and Path-based Formulations with Logic-Based Benders Decomposition for Integrated Planning in Railways
10:30	Coffee Break
11:00	Avishai Ceder Policy trends in consideration of public transport advantages for future urban mobility
11:30	Marie Schmidt Minibus scheduling
12:00	Sven Jäger Modelling multi-modal transport planning
12:30	Lunch