

5th Alpen-Adria-Workshop on Optimization

Alpen-Adria-Universität Klagenfurt

December 6–9, 2017, <http://aawo2017.aau.at/>

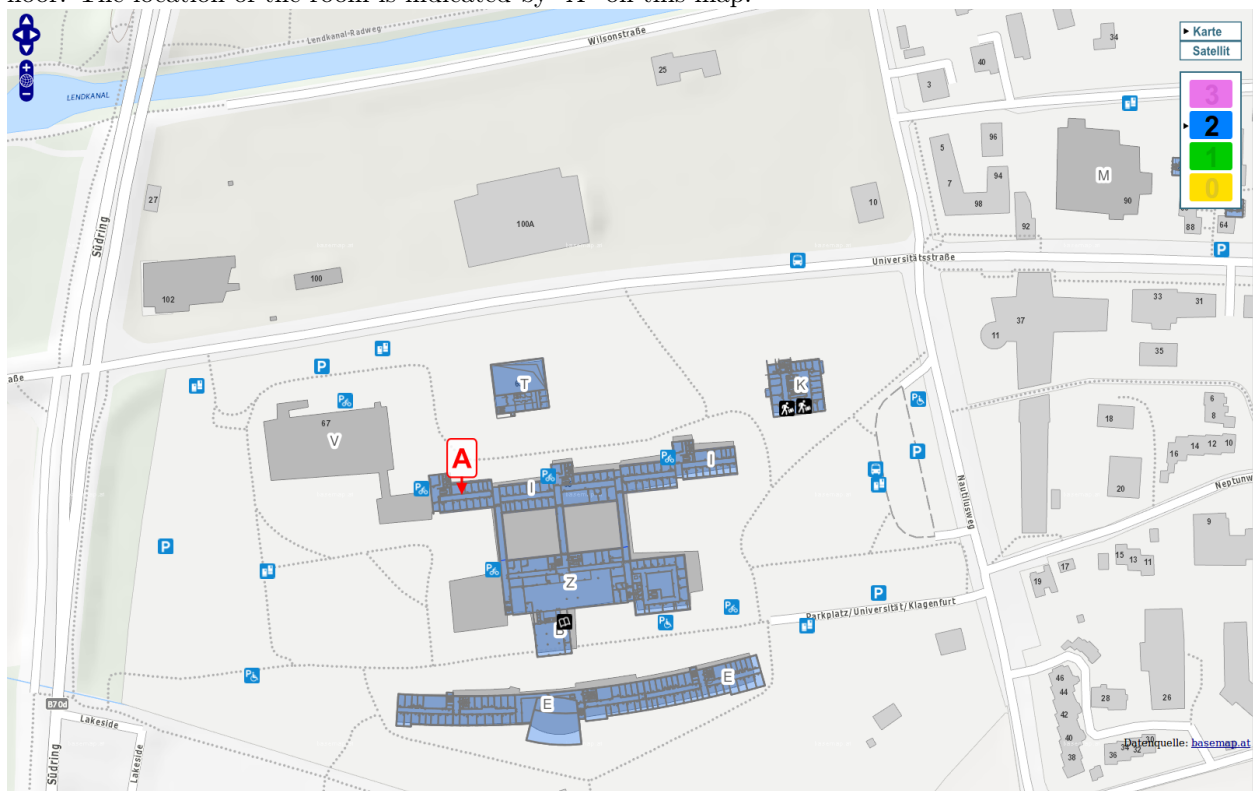
Wednesday, December 6, 2017, Room I.2.01

18:00 – Welcome reception and registration in Room I.2.01

Venue

Address: Universitätsstr. 65–67, 9020 Klagenfurt

The main entrance of the University is currently a building site, thus you will have to enter at some side entrance. The welcome reception takes place at the Mathematics Department. To find it, look for the building where all room numbers start with “T”. In that building, go to the west end on the second (=top) floor. The location of the room is indicated by “A” on this map:



Thursday, December 7, 2017, Room K.0.01

8:45	–	9:00	Registration
9:00	–	10:00	<i>Frank Vallentin</i> : Measurable Colorings of Infinite Graphs
10:00	–	10:30	coffee break
10:30	–	10:55	<i>Elisabeth Gaar</i> : Stable Set meets SDP, Exact Subgraph Constraints and a Bundle Method
11:00	–	11:25	<i>Frank Fischer</i> : An Asynchronous Parallel Bundle Method Based on Inexact Oracles
11:30	–	11:55	<i>Christoph Helmberg</i> : A Dynamic Scaling Approach for Bundle Methods in Convex Optimization
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lunch break			
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14:00	–	14:25	<i>Kerstin Maier</i> : A New Modeling Approach for the Directed Circular Facility Layout Problem
14:30	–	14:55	<i>Anna Jellen</i> : A Heuristic for the Traveling Salesperson Problem with Forbidden Neighborhoods on Regular Grids
15:00	–	15:25	<i>Anja Fischer</i> : Polyhedral Studies of Linearizations of Polynomial Matroid Optimization Problems
15:30	–	16:30	Problem session with coffee & cake
19:00			Workshop dinner at Felsenkeller https://www.schleppe-felsenkeller.at/

Friday, December 8, 2017, Room HS 3

9:00	–	9:25	<i>Stefan Lendl</i> : Recoverable and Two-Stage Robust Discrete Optimization
9:30	–	9:55	<i>Tristan Gally</i> : SCIP-SDP: A Framework for Solving Mixed-Integer Semidefinite Programs
10:00	–	10:25	<i>Janez Povh</i> : High Performance Computers – a Powerful Tool for Combinatorial Optimization
10:30	–	11:00	coffee break
11:00	–	11:25	<i>Veronica Piccialli</i> : A New Branch and Bound Approach for Standard Quadratic Programming Problems
11:30	–	11:55	<i>Sven Mallach</i> : Compact Linearization for Binary Quadratic Problems subject to Assignment Constraints
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lunch break			
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14:00	–	14:25	<i>Sander Gribling</i> : Lower Bounds on Matrix Factorization Ranks via Noncommutative Polynomial Optimization
14:30	–	14:55	<i>Christian Truden</i> : A Sparse Mixed Integer Linear Program for the Traveling Salesperson Problem with Time Windows
15:00	–	15:25	<i>Bernhard Primas</i> : NMGroup: Building Power Lines Using Combinatorial Optimisation Techniques
15:30	–	16:00	coffee break
16:00	–	17:00	<i>Gerhard J. Woeginger</i> : Tractable Cases of Hard Voting Problems

Saturday, December 9, 2017

Hike. Details will be announced during the workshop.

List of Participants

Alexander Nover	Universität Osnabrück
Andreas Wittmann	Alpen-Adria-Universität Klagenfurt
Angelika Wiegele	Alpen-Adria-Universität Klagenfurt
Anja Fischer	Universität Göttingen
Anna Jellen	Alpen-Adria-Universität Klagenfurt
Christian Truden	Alpen-Adria-Universität Klagenfurt
Christoph Böhm	Alpen-Adria-Universität Klagenfurt
Christoph Helmberg	TU Chemnitz
Elisabeth Gaar	Alpen-Adria-Universität Klagenfurt
Eranda Dragoti-Çela	TU Graz
Frank Fischer	Universität Kassel
Frank Vallentin	Universität zu Köln
Franz Rendl	Alpen-Adria-Universität Klagenfurt
Gerhard J. Woeginger	RWTH Aachen
Janez Povh	Univerza v Ljubljani
Kerstin Maier	Alpen-Adria-Universität Klagenfurt
Nicoló Gusmeroli	Alpen-Adria-Universität Klagenfurt
Philipp Armbrust	Alpen-Adria-Universität Klagenfurt
Philipp Hungerländer	Alpen-Adria-Universität Klagenfurt
Sander Gribling	CWI Amsterdam
Sarah Frisch	Alpen-Adria-Universität Klagenfurt
Stefan Lendl	TU Graz
Sven Mallach	Universität zu Köln
Timotej Hrga	Univerza v Ljubljani
Tristan Gally	TU Darmstadt
Veronica Piccialli	Università degli Studi di Roma “Tor Vergata”