

Follow-Up-Workshop to TP
“Discrete Optimization”

April 20 to April 24, 2026

organized by

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Time measurement: CEST

• **Monday, April 20**

08:30 - 09:15	<i>Arrival and Self-Registration</i>
09:20 - 09:25	<i>Welcome by HIM Director Stefan Müller</i>
09:30 - 10:30	Lisa Sauermann (University of Bonn) – <i>Slicing All Edges of the Hypercube by Hyperplanes</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 11:30	Fabrizio Grandoni (SUPSI) – <i>A Framework for k-Median and k-Means Approximation</i>
11:30 - 12:00	Alantha Newman (CNRS, Laboratoire G-SCOP) – <i>Clustering and Ranking</i>
12:00 - 14:00	<i>Lunch break</i>
14:00 - 14:30	András Sebő (CNRS, Laboratoire G-SCOP) – <i>Some Paths with HIM and You over the Years</i>
14:30 - 16:00	Open problem session and discussion
16:00 - 16:30	<i>Coffee break</i>
16:30 - 18:00	Informal discussion
18:00 -	<i>Get-together</i>

• **Tuesday, April 21**

09:00 - 10:00	Jan van den Brand (Georgia Tech) – <i>The Structural Complexity of Matrix-Vector Multiplication</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:00	Kristóf Bérczi (Eötvös University) – <i>Fixed-Parameter Tractability and Hardness for Steiner Rooted and Locally Connected Orientations</i>

11:00 - 11:30	Karthik Chandrasekaran (University of Illinois) – <i>Hedgegraph Polymatroids</i>
11:30 - 12:00	Nicole Megow (University of Bremen) – <i>The Power of Two Oracles: Minimum Spanning Tree and Matroid Optimization</i>
12:00 - 12:15	<i>Group photo</i>
12:15 - 14:00	<i>Lunch break</i>
14:00 - 16:00	Informal discussion
16:00 - 16:30	<i>Coffee break</i>
16:30 - 17:00	Karol Węgrzycki (Max Planck Institute) – <i>A Subexponential Time Algorithm for Makespan Scheduling of Unit Jobs with Precedence Constraints</i>
17:00 - 17:30	Klaus Jansen (Christian-Albrechts-Universität zu Kiel) – <i>A Tight Double-Exponentially Lower Bound for High-Multiplicity Bin Packing</i>
17:30 - 18:00	Sorrachai Yingchareonthawornchai (ETH Zürich) – <i>A Little Clairvoyance Is All You Need</i>

• **Wednesday, April 22**

09:00 - 10:00	Bento Natura (Columbia University) – <i>Circuit Diameter of Polyhedra Is Strongly Polynomial</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:00	Xavier Allamigeon (Inria and Ecole Polytechnique) – <i>Tropical vs Classical Oriented Matroids</i>
11:00 - 11:30	Georg Loho (FU Berlin) – <i>Many Rays of the Submodular Cone</i>
11:30 - 12:00	Niklas Schlomberg (University of Bonn) – <i>Improved Erdős-Pósa Inequalities for Odd Cycles in Planar Graphs</i>
12:00 - 14:00	<i>Lunch break</i>
14:00 -	<i>Hike / free time</i>
16:00 - 16:30	<i>Coffee break</i>

• **Thursday, April 23**

09:00 - 10:00	Vera Traub (ETH Zürich) – <i>Steiner Forest: A Simplified Better-Than-2 Approximation</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:00	Hung Hoang (TU Wien) – <i>A Near-Complete Resolution of the Exponential-Time Complexity of k-Opt for TSP</i>
11:00 - 11:30	Stefan Hougardy (Universität Bonn) – <i>Fast Algorithms for Euclidean Perfect Matching</i>

11:30 - 12:00	Matthias Mnich (Universität Hamburg) – <i>Subexponentially Faster Quasi-Random Walks</i>
12:00 - 14:00	<i>Lunch break</i>
14:00 - 15:30	Informal discussion
15:30 - 16:00	Jens Vygen (University of Bonn) – <i>Better Approximation Guarantee for Asymmetric TSP</i>
16:00 - 16:30	Jannik Matuschke (KU Leuven) – <i>Stronger Hardness for Maximum Robust Flow and Randomized Network Interdiction</i>
16:30 - 17:00	<i>Coffee break</i>
17:00 - 17:30	Sarah Morell (University of Bremen) – <i>Unsplittable Transshipments</i>
17:30 - 18:00	Gerard Cornuejols (Carnegie Mellon University) – <i>Younger’s Family of Minimally Non-Packing Clutters and Beyond</i>

• **Friday, April 24**

09:00 - 10:00	Sophie Huiberts (LIMOS) – <i>Analyzing the Simplex Method By-the-Book</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:00	Haoyuan Ma (University of Bonn) – <i>Trust Region Interior Point Methods: Optimal L2- and Faster Wide-Neighborhood Path Following</i>
11:00 - 11:30	Neil Olver (LSE) – <i>Thin Trees for Structured Families</i>
11:30 - 12:00	Thomas Rothvoss (University of Washington) – <i>A Parameterized Linear Formulation of the Integer Hull</i>
12:00 - 14:00	<i>Lunch break</i>
14:00 - 16:00	Informal discussions
16:00 - 16:30	<i>Coffee break</i>