German SIAM Student Chapters
Meet Algorithmic Optimization

6th Symposium of the German SIAM Student Chapters

July 24 - 26, 2023
Trier University

www.alop.uni.trier.de

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Meet Algorithmic Optimization

24.07 – 26.07.2022
Trier University, Lecture Hall HS 9 (E Building)

Program

Monday: 24. July 2023

8:15	*Registration*	*Foyer, E Building*
8:45 – 9:00	Opening Remarks: Volker Schulz, Speaker RTG ALOP	HS 9
9:00 – 9:30	Ice Breaker Game	HS 9
9:30 – 10:30	*Coffee break* *with SIAM Chapter Presentation*	*Room E 51*
10:30 – 11:30	Plenary Talk: Roland Herzog *A Brief History of Optimal Control of Partial Differential Equations: Past, Present and Future*	HS 9
11:30 – 12:00	Contributed Talk: Henrik Wyschka *Descent Directions in p-Harmonic Shape Optimization*	HS 9
12:00 - 13:30	*Lunch*	*Mensa*
13:30 – 14:00	Contributed Talk: Lukas Kannengießer *Parameter Identification in an Industrial Fiber Spinning Process*	HS 9
14:00 – 14:30	Contributed Talk: Alexandra Grütering *Convex relaxations of parabolic optimal control problems with combinatorial switching constraints*	HS 9
14:30 – 15:00	*Coffee Break*	*Room E 51*
15:00 – 16:00	Plenary Talk: Laura Scarabosio *Forward and inverse shape uncertainty quantification*	HS 9
16:00 – 16:30	Contributed Talk: Josie König *Bayesian inference meets balanced truncation*	HS 9
16:30	*Meet and Greet/Welcome Reception* *with Poster Session*	*Room E 51*

Tuesday: 25 July 2023

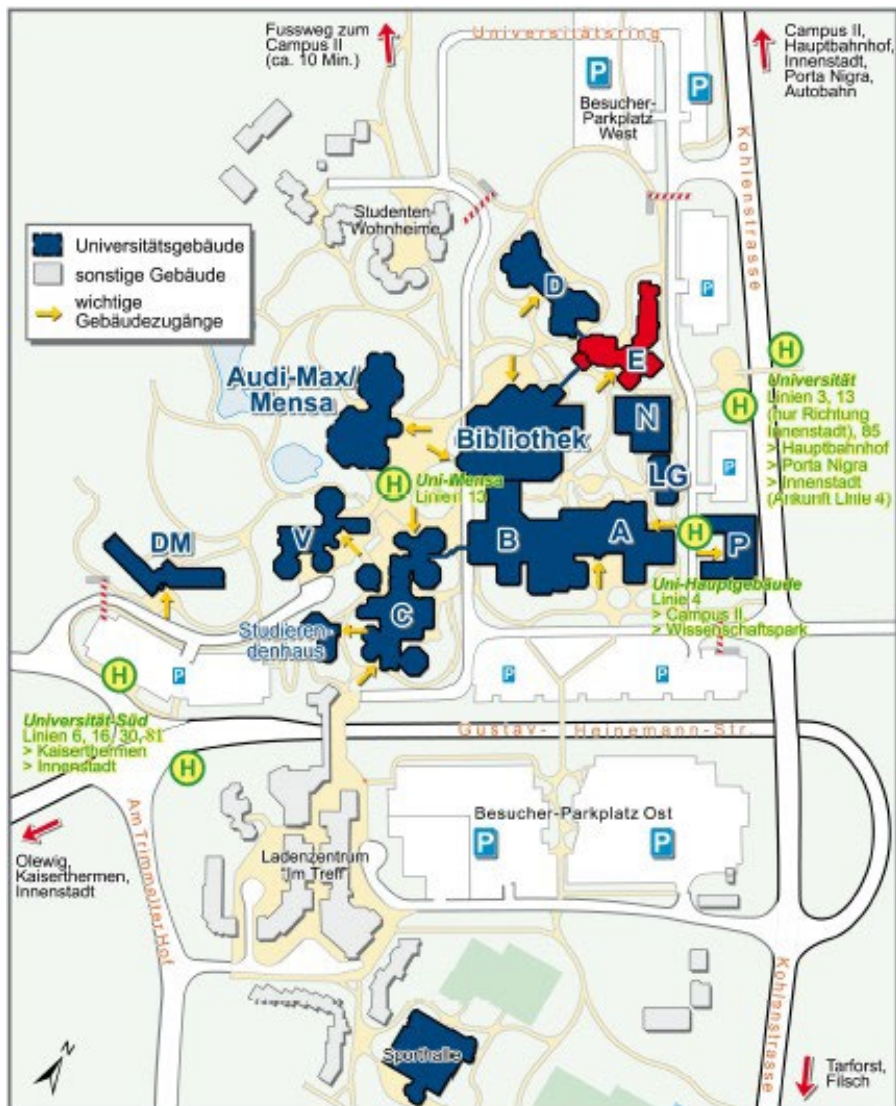|		
9:00 – 10:00	Plenary Talk: Christina Brandt *Variational regularization methods for dynamic inverse problems*	HS 9
10:00 – 10:30	Contributed Talk: Martin Nicolaus *Nonintrusive model order reduction for stochastic systems*	HS 9
10:30 – 11:00	Coffee Break	Room E 51
11:00 – 11:30	Contributed Talk: Melinda Hagedorn *Iteration Complexity of Fixed-Step Methods by Nesterov and Polyak* *for Convex Quadratic Functions*	HS 9
11:30 – 12:00	Contributed Talk: Franz Bethke *A Semismooth Conjugate Gradients Method*	HS 9
12:00 - 13:30	Lunch	Mensa
13:30 – 14:30	Plenary Talk: Daniel Walter *Exploiting convex geometry in nonsmooth optimization*	HS 9
14:30 – 15:00	Contributed Talk: Timo Kreimeier *About Abs-Smooth Optimization and Applications*	HS 9
15:00 – 15:30	Contributed Talk: John Warwicker *A Unified Framework for Bivariate Clustering and Regression Problems* *via Mixed-Integer Linear Programming*	HS 9
17:00 - 19:00	*Guided City Tour* *Meet at Tourist Info, Porta Nigra*	
19:00	*Wine tasting and Conference Dinner* *„Wirtshaus zur Glocke" in Trier*	

Wednesday: 26 July 2023

9:00 – 10:00	Open Discussion: SIAM Chapter Best Practices	HS 9
10:00 – 10:30	Coffee Break	Room E 51
10:30 – 11:00	Contributed Talk: Maria Pinheiro *MIQP and Iterative Clustering for Semi-Supervised SVMs*	HS 9
11:00 – 11:30	Contributed Talk: Lucas Moschen *Computational solution of large household allocation problems*	HS 9
11:30 – 12:15	Open Discussion: PhD and Beyond	Room E 51
12:15 – 12:30	Closing Remarks	Room E 51
12:30	Lunch	Mensa

The Workshop will take place in Building E on the Trier University Campus I.

Please refer to the map below for a detailed Campus layout.
For directions to the University, please refer to the website www.uni-trier.de