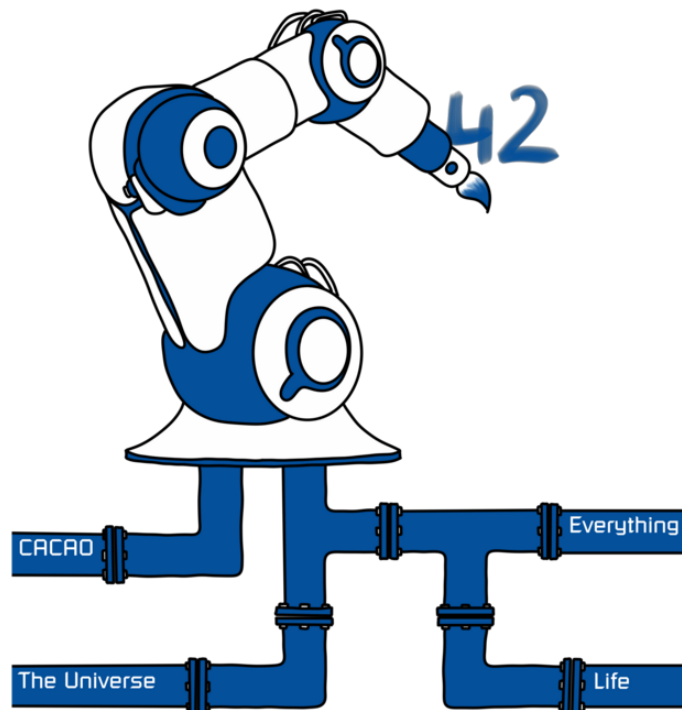


Conference on Applied, Computational and Algorithmic Optimization

September 25-26, 2023

dedicated to Marc C. Steinbach

Program



1st CAAO day: Monday, September 25, 2023

Time	Activity information
09:00 - 09:45	Registration (Room F335)
09:45 - 10:00	Laudations (Room B305)
Session 1 (Room B305, Chair: Christian Günther)	
10:00 - 10:45 (*)	Hans Georg Bock: <i>Inverse Optimal Control Problems and Applications to Modeling the Gait of Cerebral Palsy Patients</i>
10:45 - 11:30 (*)	Cristian Gebhardt: <i>Some methods and applications in computational mechanics</i>
11:30 - 11:50	Sebastian Probst: <i>Studying and handling the varieties of dynamical systems in natural sciences and industry</i>
11:50 - 13:00	Lunch break
Session 2 (Room B305, Chair: Denis Khimin)	
13:00 - 13:45 (*)	Martin Schmidt: <i>15 years of gas network optimization</i>
13:45 - 14:05	Jan Thiedau: <i>Numerical studies for applications in the field of supply and disposal</i>
14:05 - 14:25	Bernhard Michael Willert: <i>Digitalization shapes the future of logistics</i>
14:25 - 15:00	Coffee break
Session 3 (Room B305, Chair: Senta Lange)	
15:00 - 15:20	Volker Schulz: <i>Algorithmic Optimization - Now and Then</i>
15:20 - 15:40	Djamal Oucherif: <i>Demonstrating the potential impact of climbing Mount Stupid in many different areas of life: a case study</i>
15:40 - 16:00	Lisa Hegerhorst-Schultchen: <i>From university to today</i>
16:00 - 16:30	Small break
Marc Session (Room C311, Chair: IfAM)	
16:30 - 17:30	Marc C. Steinbach
18:00 -	Conference Dinner (Restaurant Al-Dar)

2nd CACAO day: Tuesday, September 26, 2023

Time	Activity information
Session 1 (Room B305, Chair: Jenny Schubert)	
9:00 - 9:45 (*)	Andreas Potschka: <i>Parallel Preconditioners for Tree-Sparse Optimization Problems</i>
9:45 - 10:05	Fleurianne Bertrand: <i>Stress-based finite element methods for phase-field fracture optimal control problems</i>
10:05 - 10:25	Denis Khimin: <i>A more general approach to phase-field fracture optimal control problems</i>
10:25 - 11:00	Coffee break
Session 2 (Room B305, Chair: Anne-Kathrin Wenske)	
11:00 - 11:20	Senta Lange: <i>Optimization models of contact problems in hybrid Data-Driven Computational Mechanics</i>
11:20 - 11:40	Jenny Schubert: <i>Artificial Intelligence</i>
11:40 - 12:00	Anastasija Kartamysheva: <i>My path to mathematical optimization</i>
12:00 - 12:15	Final words (Martin Steinbach, Thomas Wick)