

Schedule

Wednesday

Lecture Hall H1
Lecture Hall H3
Lobby

10:00	Introductory panel: "Does academia prepare us for jobs in the industry?"
12:30	lunch break
14:00	Opening reception and Poster session
17:00	Social events

Thursday

09:00	De Anda Salazar Development of algorithmic strategies for numerical simulation of coupled mechanical-diffusion problems (Diffusion case)	
09:25	Frenzel Evolutionary Gamma-convergence for a delamination model	
09:50	Garcia Vergara Transient regime in highly dispersive media	
10:15	Ghaderi Zefreh Fit-for-purpose Simulator for Scale Management at Production Wells	
10:40	coffee break	
11:00	Kweyu Reduced Basis Method for Poisson-Boltzmann Equation	Dvoriashyna Aqueous Humor Flow in the Posterior Chamber of the Eye with Iridotomy
11:25	Kulchytska-Ruchka Acceleration of FEM Computations for Induction Machines	Majumdar Mathematical model of talking bacteria
11:50	Foguen Tchuendom Uniqueness for Linear-Quadratic Mean Field Games with common noise	Netusil Multiscale modelling of the aortic media
12:15	Owusu Tawiah Nash equilibrium in evolutionary competitive models for crop production under external regulation	Schemschat Simulation based analysis of human push recovery motions using numerical optimization
12:40	lunch break	
14:00	Latafat Operator splitting techniques and their application to embedded optimization problems	
14:25	Strengre It's all about power: definition, modeling and control of swarm type direct current microgrids	
14:50	Thünen Rounding based heuristics for mixed-integer partial differential equation constrained optimization	
15:15	coffee break	
16:00	Industrial session (Ahmad, Avramenko, Orava, and others)	
18:00	Networking reception	

Friday

Rieck A primer in persistent homology
Klein Parameter Estimation and Uncertainty Quantification for Flow and Transport Processes
Kreber A Minimum-Cost Flow Approach for Solving Statistical Imputation Problems
Rupp Numerical optimization for multivariate optimal allocation problems with several levels of strata
Arrigoni A semigroup approach to boundary feedback systems with delay
Baran Optimal Control of a Stefan Problem System Fully Coupled with Navier-Stokes Equations and Mesh Movement
Ludovici Optimal Control of Parabolic PDEs with State Constraints
Hund A Connection between Time Domain Model Order Reduction and Moment Matching
SIAM Student Chapters and MathMods Alumni meetings
Closing reception