

# Schedule

## Wednesday

## Thursday

## Friday

Lecture Hall H1
Lecture Hall H3
Lobby

10:00	Introductory panel: "Does academia prepare us for jobs in the industry?"	09:00	<b>De Anda Salazar</b> Development of algorithmic strategies for numerical simulation of coupled mechanical-diffusion problems (Diffusion case)		<b>Rieck</b> A primer in persistent homology
		09:25	<b>Frenzel</b> Evolutionary Gamma-convergence for a delamination model		<b>Klein</b> Parameter Estimation and Uncertainty Quantification for Flow and Transport Processes
		09:50	<b>Garcia Vergara</b> Transient regime in highly dispersive media		<b>Kreber</b> A Minimum-Cost Flow Approach for Solving Statistical Imputation Problems
		10:15	<b>Ghaderi Zefreh</b> Fit-for-purpose Simulator for Scale Management at Production Wells		<b>Rupp</b> Numerical optimization for multivariate optimal allocation problems with several levels of strata
		10:40	coffee break		
		11:00	<b>Kweyu</b> Reduced Basis Method for Poisson-Boltzmann Equation	<b>Dvoriashyna</b> Aqueous Humor Flow in the Posterior Chamber of the Eye with Indotomy	<b>Arrigoni</b> A semigroup approach to boundary feedback systems with delay
		11:25	<b>Kulchytska-Ruchka</b> Acceleration of FEM Computations for Induction Machines	<b>Majumdar</b> Mathematical model of talking bacteria	<b>Baran</b> Optimal Control of a Stefan Problem System Fully Coupled with Navier-Stokes Equations and Mesh Movement
		11:50	<b>Foguen Tchuendom</b> Uniqueness for Linear-Quadratic Mean Field Games with common noise	<b>Netusil</b> Multiscale modelling of the aortic media	<b>Ludovici</b> Optimal Control of Parabolic PDEs with State Constraints
		12:15	<b>Owusu Tawiah</b> Nash equilibrium in evolutionary competitive models for crop production under external regulation	<b>Schemschat</b> Simulation based analysis of human push recovery motions using numerical optimization	<b>Hund</b> A Connection between Time Domain Model Order Reduction and Moment Matching
		12:30	lunch break		12:40
14:00	Opening reception and Poster session	14:00	<b>Latafat</b> Operator splitting techniques and their application to embedded optimization problems		SIAM Student Chapters and MathMods Alumni meetings
		14:25	<b>Strengé</b> It's all about power: definition, modeling and control of swarm type direct current microgrids		
		14:50	<b>Thünen</b> Rounding based heuristics for mixed-integer partial differential equation constrained optimization		
		15:15	coffee break		
17:00	Social events	16:00	<b>Industrial session</b> (Ahmad, Avramenko, Orava, and others)		
		18:00	Networking reception		