

MOG 2024

Mathematics of Gas Transport and Energy

October 10-11, 2024

Novotel Regensburg

Landshuter Straße 27, 93047 Regensburg

Thursday, 10 October 2024

08:00 – 08:50	Registration
08:50 – 09:00	Opening
09:00 – 09:40	Miguel Anjos (University of Edinburgh) <i>Integration of Electric Vehicle Charging in Electricity Grid Operations</i>
09:45 – 10:05	Rinaldo M. Colombo (University of Brescia) <i>tba</i>
10:05 – 10:30	Ann-Kathrin Wiertz (FAU Erlangen-Nürnberg) <i>Strategic retailers in the energy sector: static and dynamic pricing</i>
10:30 – 11:00	Coffee break
11:00 – 11:30	Lena Salm (TenneT TSO) <i>Grid development: planning for the energy system of the future</i>
11:30 – 12:00	Tom Streubel (PSI Software) <i>Challenges & Chances of Reinforcement Learning for Gas Dispatching</i>
12:00 – 12:30	Johannes Schiffer (BTU Cottbus) <i>tba</i>
12:30 – 14:00	Lunch break
14:00 – 14:25	Simone Göttlich (University of Mannheim) <i>Energy networks under uncertain demands</i>
14:25 – 14:50	Timm Faulwasser (TU Hamburg) <i>tba</i>
14:50 – 15:30	Roger Z. Rios (University of Nuevo Leon) <i>Optimization of a large scale unit commitment problem under a step-wise cost function</i>
15:30 – 16:00	Coffee break
16:00 – 17:30	Poster Session
18:30	Conference Dinner

Friday, 11 October 2024

09:00 – 09:40	Line Roald (University of Wisconsin) <i>tba</i>
09:40 – 10:05	Jaap Pedersen (Zuse Institute Berlin) <i>Optimal discrete pipe sizing for tree-shaped CO2 networks</i>
10:05 – 10:30	Tabea Tscherpel (TU Darmstadt) <i>Energy consistent discretisation of port-Hamiltonian systems</i>
10:30 – 11:00	Coffee break
11:00 – 11:30	Martin Stýblo (PSIG) <i>Pipeline Simulation Interest Group - history, mission and achievements</i>
11:30 – 12:00	Erich Maurer (Energieagentur Nordbayern) <i>Repurposing Gas Grids: Innovative use cases for a sustainable future in small to medium sized communities</i>
12:00 – 12:30	Jochen Deuerlein (3S Consult) <i>Modelling of gas distribution networks from a consultant's perspective</i>
12:30 – 14:00	Lunch break
14:00 – 14:25	Merve Bodur (University of Edinburgh) <i>Copositive Duality Pricing for Discrete Energy Markets</i>
14:25 – 14:50	Holger Heitsch (WIAS Berlin) <i>Probabilistic maximization of time-dependent capacities in a gas network</i>
14:50 – 15:30	tbc tbc
15:30 – 16:00	Closing Session
16:00	Snacks