

**GOR-AG: Praxis der  
Mathematischen  
Optimierung**  
Dr. Jens Schulz

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We invite you to the 111<sup>th</sup> meeting of the GOR working group “Practice of Mathematical Optimization”. This meeting is planned to be held in person with the topic

## **Optimization in the era of Generative AI**

The workshop is hosted and co-organized by Flix SE, known for brands like FlixBus and FlixTrain.

It will take place on **Thursday and Friday, November 26 & 27**, at Flix SE headquarters in **Munich, Germany**.

Participation in the workshop is free for all GOR members, speakers, and hosts. Otherwise, the participation charge is 50€ for bachelor’s and master’s students, and 100€ for everyone else. The working language will be English. Food and drinks during the event are sponsored by Flix SE. We strongly advise you to book your stay and travel, acknowledging that the on-site event may be canceled on short notice. In this case, the organizers will waive the registration fee but will not refund any other costs.

**We are looking for speakers from academia and practice who share their AI experience!**

Registration will open soon in the summer.

The latest information on the meeting is available on the homepage of the GOR (<http://www.gor-ev.de/arbeitsgruppen/praxis-der-mathematischen-optimierung/real-world-optimization>).

Yours sincerely,

**Jens Schulz, Julia Kallrath, Josef Kallrath**

(GOR AG)

**Berit Johannes, Sander Van Aken**

(Flix SE)

**Vorstand**

Prof. Dr. Jutta Geldermann (Vorsitz)  
Prof. Dr. Stefan Ruzika (Arbeitsgruppen)  
Prof. Dr. Dominik Möst (Tagungen)  
Hanno Schülldorf (Finanzen)

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# Optimization in the era of Generative AI

## Specific aims

In this workshop, we want to discuss how Generative AI, or broadly Agent AI, is reshaping Operations Research. We focus on combining OR and LLMs to create more impact with OR and to democratize it. We are interested in how this combination changes the OR pipeline end-to-end, from model development and testing through to decision-support tools and end-user assistants. We also aim to explore the new workflows, roles, and user experiences that this enables.

We welcome speakers and attendees to present and discuss cutting-edge research and practical applications at the intersection of GenAI and mathematical optimization. The presentations will cover topics ranging from problem formulation and structuring, AI-assisted model development, scenario generation and robustness analysis, conversational decision support, interactive what-if analysis, explainability of optimization recommendations and decision trade-offs, trust and reliability, and lessons learned from deploying GenAI-enabled workflows in practice.

Given how fast this space is moving, we also explicitly invite participants to bring topics from their own experiences - early-stage ideas, lessons from ongoing experiments, or open questions are equally welcome.

We want to foster collaboration and knowledge sharing among industry experts, researchers, and academics. We provide a platform for networking and exchanging ideas with fellow professionals and industry practitioners. Practical, computational, and architectural contributions from academia and industry are welcome for submission.

The core of this 1.5-day workshop will feature an engaging schedule of talks, while, as usual, we will reserve plenty of time for informal exchange and networking.

Format of presentations:

- **Talks of 35 + 10 min** duration – expert talks
- **Lightning talks of 5 (maybe 10) min** – present your company's perspective, demonstrate your favorite GitHub projects,... on Thursday.

If you would like to contribute a talk, please feel free to contact the organizers.

Jens Schulz ([schulz-gor 'at' gmx.net](mailto:schulz-gor@at.gmx.net))

### Vorstand

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