



10 November 2023

Program IGSSE Martini Colloquium 2023

International Graduate School of Science and Engineering
TUM Graduate School
Technische Universität München

Program

IGSSE Martini Colloquium

2023

3:00 PM **Coffee & Registration**

3:15 PM **Welcome**
Prof. Barbara Wohlmuth
IGSSE Director

3:30 PM **IGSSE Project Team Presentations
Part I**

Prof. André Borrmann
(Chair of Computational Modeling and Simulation), P2001 | AI-CHECK
AI-enabled code compliance checking in early building design

Prof. Ulf Schlichtmann
(Chair of Electronic Design Automation), P2003 | ELoNC
Exploring the Logic of Neural Computing

Prof. Gabriele Chiogna
(Chair of Hydrology and River Basin Management), P2005 | INE2
Innovative Engineering Injection Extraction systems for in-situ groundwater remediation: From model- and laboratory-based evidence to stakeholder involvement

4:40 PM **1st Poster Session & Refreshments**

5:10 PM **Keynote**

Prof. Gitta Kutyniok
(Chair for Mathematical Foundations of Artificial Intelligence, LMU)
„Reliable AI: Successes, Challenges and Limitations“

6:00 PM **IGSSE Project Team Presentations
Part II**

Prof. Mathias Drton
(Chair of Mathematical Statistics) JADS 2102 | LEADS
*Learning and Analyzing Discrete Geometric Structure in
Statistical Models*

Prof. Felix Krahmer
(Professorship of Optimization and Data Analysis) JADS 2106 | N-DAMN
*Next Generation Digital Acquisition using Modulo
Nonlinearities: Algorithmic, Statistical and Information
Theoretic Aspects*

6:45 PM **2nd Poster Session & Get-together**
