

FRIDAY, 30th August

09:00 - 12:30	Workshop I Scientific Basics - Practical Challenges
12:30 - 14:00	Lunch
14:00 - 16:00	Workshop I Scientific Basics - Practical Challenges



Contact:

Research Training Group 1462
Model Quality Assessment
Berkaer Straße 9
99425 Weimar

Email: PHDSummerSchool@uni-weimar.de
Website: www.uni-weimar.de/grk

MONDAY, 26th August

- 09:00 - 09:45 **Opening**
- 09:45 - 10:30 **Rating of Optimization Techniques & Geotechnical Applications**
Prof. Tom Schanz, Ruhr-Universität Bochum
- 11:00 - 12:30 **Meta-Modelling, Global Sensitivity Analysis and Probabilistic Analysis of Failure in Mechanized Tunneling**
M.Sc. Shorash Miro, Ruhr-Universität Bochum
- 12:30 - 14:00 Lunch
- 14:00 - 16:00 **Structural Performance Assessment and Prediction | Part I**
Prof. Alfred Strauß, Universität für Bodenkultur Wien
- 16:30 - 18:30 **Structural Performance Assessment and Prediction | Part II**
- 19:00 **Van der Velde Walk**

TUESDAY, 27th August

- 09:00 - 10:30 **Learning, Fusing & Assessing Models with Bayesian Methods | Part I**
Prof. Daniel Straub, Technische Universität München
- 11:00 - 12:30 **Learning, Fusing & Assessing Models with Bayesian Methods | Part II**
- 12:30 - 14:00 Lunch
- 14:00 - 16:00 **Integrated Deterministic & Probabilistic Safety Analysis: Methods and Case Studies**
Dr. Francesco Di Maio, Politecnico di Milano
- 16:30 - 18:30 **Operational Ensemble Forecasting in Meteo-Hydrology: from Implementation to Verification**
Dr. Florian Pappenberger, ECMWF

WEDNESDAY, 28th August

- 09:00 - 10:30 **Imprecise Probabilities in Engineering | Part I**
Prof. Michael Beer, University of Liverpool
- 11:00 - 12:30 **Imprecise Probabilities in Engineering | Part II**
- 12:30 - 14:00 Lunch
- 14:00 - 16:00 **Mathematical Surrogate Models for Engineering Applications**
Dr. Thomas Most, Dynardo
- 16:30 - 17:30 **Inverse Modelling - Analysis of Contact Stress and Heat Flux During Rolling Process**
Dr. Daniel Weisz-Patrault, Ecole Ponts ParisTech
- 17:30 - 18:30 **Numerical Simulation with Uncertain Data in Mechanized Tunneling**
Dr. Steffen Freitag, Ruhr-Universität Bochum
- 19:00 **Bauhaus Walk**

THURSDAY, 29th August

- 09:00 - 12:30 **Toward Optimal Experiment Design for Parameter Estimation in Linear Systems with Spatio-Temporal Dynamics | Part I**
Prof. Ewaryst Rafajłowicz, University of Technology Wrocław
- 11:00 - 12:30 **Toward Optimal Experiment Design for Parameter Estimation in Linear Systems with Spatio-Temporal Dynamics | Part II**
- 12:30 - 14:00 Lunch
- 14:00 **Excursion**