

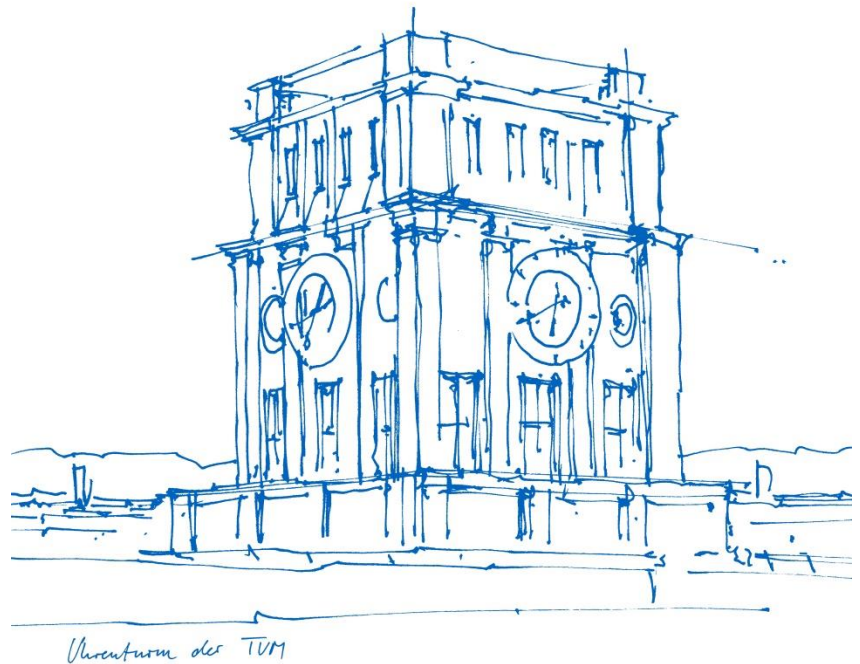
Doctoral Candidates' Day 2023 – Poster Session and Short Lectures

March 16, 2023,

Start by 1 p.m.

Matriculation Hall,

TUM Main Campus



Program:

Welcome by Prof. Fottner and the Doctoral Representatives

Short Lectures and Presentation of Posters

Best Poster and Presentation Award

Short Lectures:

- 13:20 Gabriel Dax, Big Geospatial Data Management:
"Compression in Spatial Deep Learning"
- 13:30 Sindhu Ramanath Tarekere, Remote Sensing Technology:
"Automatic delineation of the grounding line of Antarctica on DInSAR interferograms"

Tour A (two parallel guided tours)

Tour A1

13:35	Yuxin Xiong, Building Physics: <i>"Model Predictive Climate Control for Thermal Comfort in Vehicles"</i>	Civil and Environmental Engineering
13:40	Belinda Bock, Soil Mechanics and Foundation Engineering, Rock Mechanics and Tunneling: <i>"Combined analysis on creep and ageing effects in granular materials"</i>	
13:45	Michael Niebler, Soil Mechanics and Foundation Engineering, Rock Mechanics and Tunneling: <i>"Boden-Bauwerks-Interaktion"</i>	
13:50	Syed Uzair Us Salam Shah, Soil Mechanics and Foundation Engineering, Rock Mechanics and Tunneling: <i>"Liquefaction collapsibility in sands"</i>	
13:55	Andreas Witty, Soil Mechanics and Foundation Engineering, Rock Mechanics and Tunneling: <i>"Probabilistic 3D Subsoil Modelling - Quantification of Uncertainties in Subsoil Structure and Soil Properties for BIM"</i>	

Tour A2

13:35	Peter Obermeier, Geothermal Technologies: <i>"Investigation of regional seals and sediment compaction in a geothermal play in SE Germany"</i>	Civil and Environmental Engineering
13:40	Robin Renoth, Geothermal Technologies: <i>"Social acceptance of Deep Geothermal Energy"</i>	
13:45	Fabian Merk, Hydrology and River Basin Management: <i>"Evaluation of Data-Driven Estimates of Evapotranspiration for Physically-Based Water Balance Assessment in a West African Region"</i>	
13:50	Natalie Páez, Urban Water Systems Engineering: <i>"Implementing biochar and compost as organic soil amendments in vegetated infiltration swales as green infrastructure for stormwater treatment."</i>	
13:55	Anna Uchaikina, Urban Water Treatment Engineering: <i>"Wastewater-based epidemiology for SARS-CoV-2 biomarkers: diurnal variations of biomarker concentrations depending on community size"</i>	

Coffee Break (approx. 30 min.) with special Poster Presentations

- Tobias Förtsch, TUM Venture Lab:
"From Science to Entrepreneurship"
- Graduate Center of Engineering and Design:
"Getting to know the GC-ED"

Short Lectures:

- 14:40 Sonia Kau, Urban Water Systems Engineering:
"Elimination of trace organic compounds - application of a soil filter with activated carbon layer"
- 14:50 Indira Shatyrbayeva, Geothermal Technologies:
"Drilling challenges and subsurface data integration in the North Alpine Foreland Basin, SE Germany"
- 15:00 Tianqi Li, Nuclear Technology:
"Molten Salt Reactor - Is It the Game Changer?"

Tour B (two parallel guided tours)

Tour B1

15:05	Juan Mauricio Lozano Valcarcel, Materials Science and Testing: <i>"Durability of Concrete based on the Performance Principle"</i>	Material, Mechanical, Energy and Process Engineering, Aerospace and Geodesy
15:10	Robert Kleinhans, Metal Forming and Casting: <i>„Postconsumerschrotte für die Gießereiindustrie"</i>	
15:15	Andreas Boschert, Renewable and Sustainable Energy Systems: <i>"Short-term solar irradiance forecasting using all sky imagers"</i>	
15:20	Fabian Romahn, Remote Sensing Technology: <i>"Application of Deep Neural Networks for the Retrieval of Cloud Properties for Sentinel-4 and Sentinel-5 Precursor / TROPOMI"</i>	

Tour B2

15:05	Nianhua Liu, Cartography and Visual Analytics: <i>"Using Eye-tracking to Evaluate Visual Behaviors on GIS-Enhanced Football Animations"</i>	Aerospace and Geodesy, Architecture
15:10	Pierre Damien Omid Ntihinyurwa, Land Management: <i>"Towards Fit For Rwanda Sustainable Farmland Fragmentation Management Models"</i>	
15:15	Sebastian Koth, Building Technology and Climate Responsive Design: <i>"Dynamic Thermal Comfort"</i>	
15:20	Felix Lüdicke, Landscape Architecture and Public Space: <i>"Street-Space-Experiments as Participatory Planning: Media dissertation on the "Piazza Zenetti" real laboratory"</i>	

Short Lectures:

- 15:30 Christoph Fleckenstein, Green Technologies in Landscape Architecture:
"Trees in Planters - Dealing with Temporal Aspects"
- 15:40 Christiane Müller, Urban Development:
"Linking knowledge-intensive firm locations with the urban structure of the City of Munich"

15:45 Best Poster – and Presentation Award

Thank you for attending and participating!