



Workshop 2025

19th - 20th February 2025
at Bauhaus-Universität Weimar, Germany

Bring your laptop and join us for a two-day workshop on recent developments in **numgeo**

19th February (*in Coudraystraße 11c, Hall 001*)

10:00 - 10:15	Opening	Patrick Staubach
10:15 - 11:00	numgeo - History and Overview <i>Hands-on Session: Setting up numgeo</i>	Jan Machaček
11:00 - 13:00	numgeo - GiD: Increasing User-Friendliness of numgeo <i>Hands-on Session: Strip foundation with GiD</i>	Rahul Dogra

Lunch Break

14:30 - 15:15	Swelling in numgeo: Unsaturated Features, Constitutive Modelling, and Enhanced Element Formulations	Antonia Nitsch
15:15 - 16:00	numgeo - PFEM: Implementation of the Particle Finite Element Method (PFEM)	Antaeus Bettmann
16:30 - 18:45	Inaugural Lecture (<i>in Marienstraße 13, Hall A</i>)	Patrick Staubach

Evening Event

20th February (*in Coudraystraße 11c, Hall 001*)

09:00 - 09:30	Automatic Parameter Calibration of a High-Cycle Accumulation Model for Sand	Lucian C. Brenlla
09:30 - 10:45	<i>Hands-on Session: Monopile with HCA model</i>	Patrick Staubach
10:45 - 11:30	Stability assessment of slopes subjected to seismic loading using numgeo	Christoph Schmüdderich
11:30 - 12:30	<i>Hands-on Session: Strength Reduction</i>	Christoph Schmüdderich

Lunch Break

13:30 - 14:15	Numerical Study of Long-Term Behavior of Suction Caisson Foundations under High-Cyclic Loading	Lisa Tschirschky
14:15 - 14:30	numgeo - Future Developments	Jan Machaček

Q&A and Closing Remarks

No fee - but please register

How to get to Weimar

Food and drinks included