
Dansk Geoteknisk Foreningsmøde nr. 6, 2026

Wednesday, 4 November 2026, 14:30–20:00

AALBORG UNIVERSITY (AAU)
Department of the Built Environment
Thomas Manns Vej, 9220 Aalborg Ø

7th DANISH GEOTECHNICAL RESEARCH SEMINAR

The Division of Structures, Geotechnics and Risk within AAU's Department of the Built Environment (BUILD) is hosting the Danish Geotechnical Society's 7th Annual Research Seminar. The seminar is open for members of DGF as well as external partners and students.

Join us this day to hear more about ongoing and recently completed research and student projects within Geotechnical Engineering at the Universities in Denmark. Many of the projects have been carried out in collaboration with industrial partners. Before the official programme starts, and during the breaks, there will be time for networking. After the dinner, we will have a poster session and a guided tour around the Laboratory of Geotechnical Engineering.



The fee for participation is **DKK 650, incl. VAT** for both members of the Danish Geotechnical Society and non-members. **Students and senior citizens participate for free.** The seminar includes dinner and coffee.

Register for the seminar at <https://danskgeotekniskforening.dk> for both members and non-members (please remember to include details of invoicing, DGF members need to log-in to ensure correct registration) no later than **Wednesday, 21 October 2026.**

Programme

- 14:30–15:00 **Coffee and cake** (Meeting place: Auditorium C.004, AAU INNOVATE, Thomas Manns Vej 25, 9220 Aalborg Ø)
- 15:00–15:05 **Official start – Welcome by DGF and AAU** (TMV 25, Auditorium C.004)
DGF / Lars V. Andersen
AAU / Amin Barari
- 15:05–15:40 **Research Presentation Session 1** (TMV 25, Auditorium C.004)

An overview of activities in geotechnical engineering at Aarhus University / Lars V. Andersen, AU

Anchor load sensitivity to foundation stiffness in mooring systems for floating wind turbines: A geotechnical design workflow for shared suction-caissons / Nikolaj B. Bjerger, Industrial PhD fellow, COWI A/S and AU

Centrifuge testing of a novel grouped anchor concept / Lau Fogh, PhD fellow, AU
- 15:40–15:45 **Short break**
- 15:45–16:20 **Research Presentation Session 2** (TMV 25, Auditorium C.004)

An overview of activities in the Section for Geotechnics and Geology at DTU / Eyal Levenberg & Varvara Zania, DTU

What happens to underground infrastructure with climate-driven changes to groundwater? / Irene Rocchi, DTU

Dike investigation with seismic surface geophysics / Emil Mejlhede Kinslev, DTU
- 16:20–16:30 **Short break**
- 16:30–17:05 **Research Presentation Session 3** (TMV 25, Auditorium C.004)

An overview of activities in the AAU Geotechnics Research Group / Amin Barari, AAU

Constitutive modelling of pre- and post-liquefaction sand response: Implications for offshore foundation design / Junyu Zhou, AAU

Performance-based assessment of offshore structures under marine geohazards / Ali Lashgari, AAU
- 17:05–17:15 **Short break**
- 17:15–17:45 **Pitch Session – Line up of poster presenters** (TMV 25, Auditorium C.004)
- 17:45–18:45 **Dinner** (TMV 25, Auditorium C.004)
- 18:45–20:00 **Poster session and lab tour. Coffee and cake** (TMV 25, Auditorium C.004 and TMV 23, GeoTech LAB)

Poster presentations

AU: Rate-dependent behaviour of fine-grained soils – influence of mineralogy and fines content
(Kenny K. Sørensen)

Reliability-based design of geosynthetic reinforced soil structures
(Emil S. Brandt)

The effects of subsidence on anchored earth-retaining walls
(Muhammad Prakasa)

Monitoring Deep Excavation-Induced Ground Movements Using Satellite Radar
(Adriana Hernandez)

Blending mechanics and Earth observation for the detection of construction and climate-induced urban risks
(Emma V. Gulløv)

DTU: Analysis of Marking-Induced Thermomechanical Disturbances in Asphalt Pavements
(Quentin Felix Adam)

Performance of geothermal energy piles for heating and cooling
(Mouadh Rafai)

Temporal development of root-soil reinforcement with *Salix* Sp.: Integrating mechanical predictions with root biomechanics, soil biota and aggregation
(Gerald Innocent Otim)

Thermomechanical characterization of fungal-bound pavement materials
(Yike Yin)

Modelling and analysis of urban pavements
(Zeyuan Fang)

Track measurements: A tool for railway embankment instability detection?
(WenxiMeng)

Distributed fibre optic sensing for soil strain measurements in pipe trenches
(Marta Ricci)

AAU: Industry translation of breakage-aware geomechanics for low-noise monopile installation in carbonate sands
(Amin Ghotbi)

Integrating geotechnical knowledge and machine learning for shear-wave velocity prediction from offshore CPT data
(Farid Mojtahedi)

Towards an intelligent pile–soil analysis framework for offshore monopiles under long-term cyclic loading
(Meili Zhang)

A hierarchical multiscale MPM–DEM model for vibratory pile installation in sand
(Mehdi Alam)

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