Research Centre TERRA Geo Road Rail

ORGANISED UNDER
Tampere Institute for Advanced Study (Tampere IAS)

TAMPERE IAS

Geo Seminar

Geotechnical research at the Terra Research Centre

DATE
Thursday 10 December 2026

TIME
8:30–16:00

VENUE
Tampere University City Centre Campus
Kalevantie 4, 33100 Tampere
Room C9, Main building, Wing C, 2nd floor

Morning: offshore geotechnics

8:30–9:00	Registration and coffee
9:00–9:15	**Marco D'Ignazio** Introduction and offshore geotechnical research at TERRA
9:15–10:00	**Joonas Virtasalo, GTK** **Invited keynote** Offshore geophysical testing for site characterization
10:00–10:30	**Veera Isometsä** Geotechnical characteristics of Gulf of Bothnia sediments for offshore wind development
10:30–11:00	**Marco D'Ignazio** Reliability-based design of offshore wind foundations using surrogate models
11:00–12:00	Lunch Break

Afternoon: soft soils and AI

12:00–12:30	**Mohammad Sadegh Farhadi** Predicting soil compressibility using AI
12:30–13:00	**Joona Tuisku** In-situ NMR for ground characterization
13:00–13:30	**Loviisa Ketola** Undrained shear strength increase under embankments on soft clay
13:30–14:00	**Mika Knuuti** Reliability-based design of embankments on soft clay
14:00–14:30	Coffee break
14:30–15:00	**Luca Calò, Università Politecnica delle Marche** Soft soil stabilization using fly ash
15:00–15:30	**Tim Länsivaara** AI2GEO research project and future of geotechnical research at TERRA
15:30–15:55	**Final discussion**
15:55–16:00	**Closure**

DINNER AT 17:00
Pizzeria Luca
Frenckellinaukio 4, 33100 Tampere

REGISTER BY 05 DECEMBER 2026
forms.cloud.microsoft/e/S4z0J6UXqV
Questions: marco.dignazio@tuni.fi