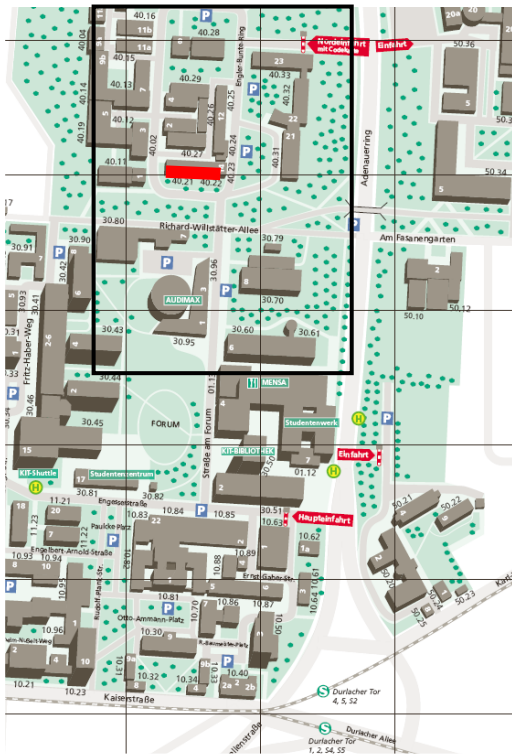


## KIT CAMPUS SOUTH (UNIVERSITY) Map (overall view)



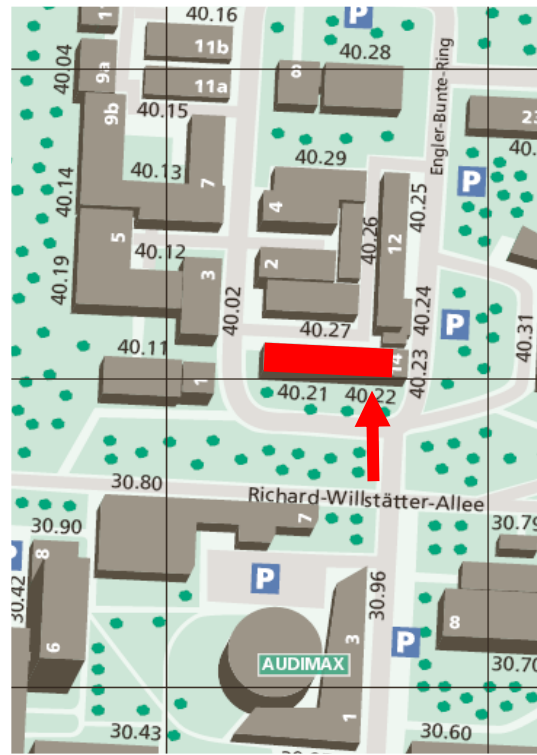
### Arrival by car:

A5, exit Karlsruhe-Durlach, on Durlacher Allee (B10) towards the city center, follow the signs "KIT Campus Süd" to the main entrance, there building 40.21/40.22.

### Arrival with DB/ÖPNV:

From the main station you can take the tram/tram lines 2-Wolfartsweier, 3-Rintheim, S4-Heilbronn and S7-Tullastraße to Campus South.

## KIT CAMPUS SOUTH (UNIVERSITY) Map (Detail)



### Contact:

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## Guest lecture

**Prof. Kenny Kataoka Sørensen**  
**Aarhus University, Denmark**

„Rate dependent mechanical  
behaviour and soil-pile interaction in  
soft organic silt and high plasticity  
clay“

at

**INSTITUTE OF SOIL MECHANICS  
AND ROCK MECHANICS (IBF)**

April 29, 2024  
16.00 Uhr

# Invitation

We would like to invite you to a guest lecture by Prof. Kenny Kataoka Sørensen from Aarhus University, Department of Civil and Architectural Engineering, Denmark.

## Bio data

Professor Sørensen has around 24 years of experience in the field of geotechnical engineering, both as an engineer and as a professor. Before joining the Aarhus School of Engineering as an assistant professor in 2006, he worked as a technical consultant at Ove Arup and Partners in London. He is currently a professor (lecturer) at Aarhus University of Engineering in the Department of Civil and Architectural Engineering. He is also a member of the Danish Geotechnical Society and a member of the Danish Geotechnical Society's Pile Committee and Sustainability Committee. His scientific focus areas are the characterization of the mechanical

behaviour of geomaterials through advanced laboratory element testing and field testing, as well as the monitoring of geostructural behaviour and analysis of soil-structure interaction.

The lecture "**Rate dependent mechanical behavior and soil-pile interaction in soft organic silt and high plasticity clay**" with subsequent discussion will take place on April 29, 2024, 16:00 Uhr, in the

**Seminar room IBF,  
Building 40.21/40.22, Room 112 (1st floor)**

The lecture will be held in English.

## Abstract

The lecture will take its offset in ongoing research at two Danish Geotechnical Test sites established by Aarhus University; a soft organic silt site at Randers Harbour and a high plasticity clay site at Hinge. After an overview of the general geotechnical characterisation of the test-sites, the lecture will in the first part give insight into the observed soil-pile interaction in connection to full-scale testing and monitoring of instrumented driven and bored piles, and in the second part focus on the rate-dependent mechanical behaviour of Gytja and high plasticity Søvind Marl as observed in laboratory element testing.

