The Ruhr University Bochum is connected by metro line U35 with the city centre and the main station of Bochum. Bochum is easily reachable from the airport Düsseldorf, Cologne-Bonn and Dortmund by public transport.

To reach the Veranstaltungszentrum from the metro station “Ruhr-Universität” turn right towards the University Campus. Then pass the library and the Audimax on the right hand side. You are now directly facing the Mensa/Cafeteria building. Enter the building and take the elevator to floor number 04.

If you arrive by car take the exit “Uni-Mitte” and choose the parking site P9 and take the elevator to floor number 04.
Mechanized tunneling is an established flexible and efficient technology for the construction of underground infrastructure, characterized by a dynamic advancement of tunnel boring technologies, increasing diameters and a broadening range of applicability. This rapid development in association with the inherent heterogeneity of the ground poses new challenges to prognosis models.

Considering this background, the subject of the new Collaborative Research Center SFB 837 “Interaction models for mechanized tunneling” is the research and development of models, methods and design concepts, which, when adequately interlinked, can deal with the manifold complex interactions of the components and processes involved in mechanized tunneling.

Research within the four project areas of the SFB includes the ground exploration and modeling of the ground, the tunnel boring machine, the lining and annular gap grouting, and the interactions between tunneling and existing structures. Furthermore, the cutting, advancement and logistics processes will be represented using adequate models integrated by means of a consistent SFB-wide information management system.

The SFB 837 workshop "Cutting Tool - Soil Interaction" focuses on modeling approaches for the excavation processes at the cutting wheel of tunnel boring machines in particular in soft soils.

Invited Guest Lecturers:
- Ir. Rudy Helmons
  (Delft University of Technology, The Netherlands)
- Dr. Heiko Käsling
  (Technische Universität München, Germany)
- Prof. Heinz Konietzky
  (Technische Universität Bergakademie Freiberg, Germany)
- Dipl.-Geol. Florian Köppl
  (Herrenknecht AG, Germany)
- Prof. Jerzy Rojek
  (Polish Academy of Sciences, Poland)
- Dr. Falk Wittel
  (Swiss Federal Institute of Technology Zurich, Switzerland)

Invitations to attend are open to all interested parties. The SFB 837 workshop webpage provides further information for registration: www.rub.de/sfb837.

Registration:
Registration fee: € 50,-
(Members of Ruhr University Bochum: € 25,-)

For registration please visit the workshop webpage: www.rub.de/sfb837.

Guests are sincerely welcome!