

Announcement of public lecture

- Lecturer** **Prof. Günther Meschke**
Ruhr-University Bochum, Germany
- Subject** **Advances in Computational Simulation in Mechanized Tunneling and Computer Assisted Tunneling Design**
- Place** **Hồ Chí Minh City University of Transport and Communications**
Library Seminar Room
451 Le Van Viet Street
- Date** **July 26th, 2010**
- Time** **8:00AM**

Abstract

In the context of the European research project Technology Innovation in Underground Construction (TUNCONSTRUCT) a novel computational framework for the process-oriented numerical simulation of shield supported tunnelling in partially and fully saturated soils has been developed as part of an integrated optimization system for tunnelling design (IOPT). The presentation highlights the role of this process-oriented numerical simulation model in the framework of this integrated design support system and describes the model components and their interactions. Selected results of numerical applications demonstrate the capabilities and effectiveness of the computational model.

