

RESEARCH DEPARTMENT

Subsurface Modeling & Engineering



WORKSHOP:

10:00

14:40

Welcome

BOCHUM UNDERGOUND SPACE DAY 2017 – Subsurface & Energy

OCTOBER 25TH 2017

RUHR UNIVERSITY BOCHUM, IC 03 / 604

Universitätsstraße 150, 44801 Bochum

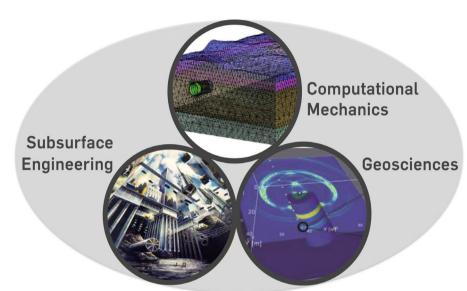
The "Bochum Underground Space Day" is organized by the Research Department Subsurface Modeling and Engineering (RD SME) at Ruhr University Bochum as an annual workshop to exchange results of pertinent research and to foster cooperation within the RD as well as with external research institutions and companies.

This year the workshop will be devoted to the general topic "**Subsurface and Energy**". It starts with a invited keynote lecture by Prof. Lyesse Laloui, EPFL Lausanne followed by presentations from members of the RD and external institutions. During lunch break there will be a poster session open for all members of the RD to share their recent research.



GENERAL ASSEMBLY OF THE RD SME

For members of the RD SME: Discussion on future research cooperations



WORKSHOP PROGRAM - OCTOBER 25TH 2017 - 10:00 - 14:40

10:05	GEOMECHANICAL SOLUTIONS FOR GEO-ENERGY ISSUES Prof. Lyesse Laloui Swiss Federal Institute of Technology, École polytechnique fédérale de Lausanne, Switzerland
10:40	COOPERATIVE RESEARCH IN SHYNERGIE AND AGES Prof. Jörg Renner Experimental Geophysics, Ruhr University Bochum
11:15	MODELLING CONCEPT OF SEASONAL HEAT STORAGE IN FLOODED COAL MINES: CALCULATION AND VISUALIZATION OF COUPLED DENSITY AND VISCOSITY DEPENDENT FLOW Dr. Christoph König delta h Ingenieurgesellschaft mbH
11:35	MODERN CHALLENGES OF UNDERGROUND ENERGY STORAGES Dr. Tobias Rudolph Uniper Energy Storage GmbH
11:55	Buffet with Poster Presentations
13:10	DER TUNNEL ALS WÄRMELIEFERANT / THE TUNNEL AS HEAT SUPPLIER DiplIng. Wolf Friedemann Züblin - Tunnelbau Stuttgart (TUB-S)
13:30	PROCESS UNDERSTANDING OF REACTIVE MULTIPHASE FLOW SYSTEMS IN SALT DEPOSTS (PROSALZ) Dr. Rüdiger Giese Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences
13:50	RESEARCH AT GEOTHERMAL SITE HORSTBERG WITH FOCUS ON GEOMECHANICS Dr. Alireza Hassanzadegan Federal Institute for Geosciences and Natural Resources
14:10	Break