

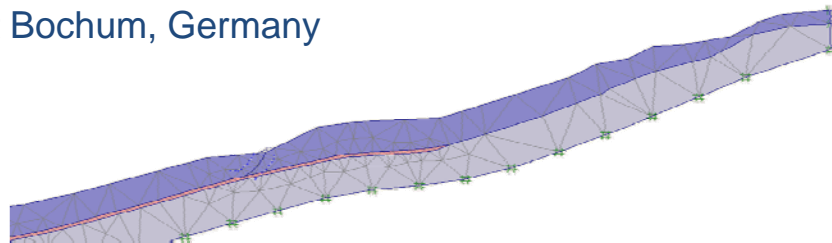
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Lehrstuhl für Grundbau, Boden- und Felsmechanik
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RUB

Computational Geomechanics –Application to large slopes in the European alps

given by **Prof. Tom Schanz**

Chair for Foundation Engineering, Soil and Rock Mechanics
Ruhr-Universität Bochum, Germany



The lecture will take place at UACEG, Sofia

on **31 March 2011** from 16:15 to 18:00 in Lecture Hall **222**

It is well known that environmental processes can trigger a landslide and control subsequent movements. But often there is uncertainty in the explanation of the exact failure mechanisms which is essential in landslide forecasting, quantitative hazard assessment and management (e.g. design of early warning systems). For this study in particular we are interested in two locations 1st reworked Callovo-Oxfordian black marls of the South French Alps, because this kind of material is highly prone to hydrological triggered landslides and 2nd a case study in the North Italian Appenin. The objective of the work is the analysis of mechanisms that initiate failure and control subsequent motion of landslides in small-scale experiments and by numerical modeling.