



ALERT Geomaterials

Alliance of Laboratories in Europe for Research and Technology

<http://alertgeomaterials.eu>

ALERT WORKSHOP SESSION ON DEGRADATION OF GEOMATERIALS

Aussois – October 2, 2013

Organizers

Erich BAUER (Graz University of Technology, Austria)

Ali DAOUADJI (University of Metz, France)

Christophe DANO (Ecole Centrale Nantes, France)

Dear Colleagues,

The session on Degradation of Geomaterials aims to give an insight into recent research about the degradation of geomaterials including granular soils, clays, concrete and rocks. In this context degradation means the deterioration of the resistance of the material against shearing, compaction and erosion or a change of the hydro-mechanical properties. The degradation observed on the macro-scale may be caused by different scenarios on the micro-scale. For the understanding of the deterioration processes and to gain insight into the mechanisms involved, different length scales have to be taken into account. Deterioration processes may, for example, be caused by mechanical and chemical weathering, load changes, changes of the micro-structure, progressive propagation of micro-cracks, grain crushing, dissolution of minerals, temperature effects, fluid impregnation and debonding.

The goal of the workshop is to establish a bridge between the micro- and macro-scales, using for instance continuous, discrete or multi-scale approaches. For the workshop experimental, theoretical as well as numerical contributions are very welcome.

The deadline for the submission of abstracts is end of May 2013

Contributions can be sent to Christophe Dano (christophe.dano@ec-nantes.fr) with copy to Erich Bauer (erich.bauer@tugraz.at) and Ali Daouadji (ali.daouadji@univ-metz.fr). Submitted abstracts must follow the format of the enclosed template.

We would greatly appreciate receiving your reply at your earliest convenience.

With best wishes,

Erich Bauer, Christophe Dano and Ali Daouadji

Please note that the 3 day program of the ALERT Workshop includes the topics: **Geomechanics of Slopes, Contact Problems in Geomechanics** and **Degradation in Geomechanics**. Further information on: <http://alertgeomaterials.eu>