



Dear Colleague,

I am writing to invite you to submit a contribution to a session devoted to

Unsaturated granular medium and clay engineering

within the International Congress **CERMODEL 2013 – Modeling and Simulations meet Innovation in Ceramic Technology**. The Congress is organized at Trento, Italy, July 10-12, 2013 by Davide Bigoni (University of Trento), Alida Bellosi (ISTEC-CNR, Italy) & Paolo Zannini (University of Modena and Reggio Emilia), President of the Italian Ceramic Society (see the site <http://events.unitn.it/en/cermodel2013>).

The Congress session on **Unsaturated granular medium and clay engineering** is meant to bring to the Ceramics Community the newest developments in understanding, modeling and simulations especially in, but in no sense limited to, the following areas:

Mechanics of high-pressure compaction of granular media,
Particle breakage during compaction,
Mechanics of non-saturated granular and clayey medium compaction,
Capillary phenomena in granular materials,
Mechanics of drying and cracking of granular and clayey media,
Thermo-mechanical aspects of highly compacted clay behavior.

These areas are of great relevance to formation, processing and engineering of all sorts of ceramic products. At the same time, the congress organizers would like to expose the members of the community active in the modern geomechanics to the problematic of Ceramic Industry, where the tools of geomechanics modeling have a great potential of applicability.

Both papers that are of a general nature referring to the areas mentioned above, as well as those about the problems directly applicable to ceramics processing are welcome. Original papers are encouraged, but a few reviews of pertinent research areas by leading authors will also be accepted

The deadline for 1-page abstract submission is February 15, 2013. Submit the abstract directly to the site above, and send a copy to hueckel@duke.edu.

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