Computational Geomechanics Minisymposium

Proposed minisymposium on "Computational Geomechanics" presents a continuation of a very successful series. Both in Vienna (2002) and in Los Angeles (2006) we had a privilege of organizing this minisymposium.

The proposed minisymposium will provide a forum for presentation and discussion of the state-of-the-art in computational geomechanics. Emphasis will be on novel computational methods, formulations and practical applications. In addition to that, developments of verification and validation methodology will be highly valued. Contributions are solicited in (but not restricted to) the following modeling and simulation areas of Geomechanics:

- Coupled, multi–physics problems (multi-phase, chemo-thermo-hydro-mechanical...)
- Degradation and instability modeling (localization, post-localization, liquefaction and post-liquefaction)
- Multiscale modelling (including micromechanics, particulate mechanics and discrete element methods)
- Nonlocal and generalized continua modeling
- Constitutive modeling (small and finite deformations)
- Probabilistic methods
- Computational system (numerical implementation) issues
- High Performance computing
- Practical applications

Minisymposium Organizers:

Boris Jeremić, `jeremic@ucdavis.edu` (corresponding)

Claudio Tamagnini, `tamag@unipg.it`

Richard Regueiro, `richard.regueiro@colorado.edu`

Ronaldo Borja, `borja@stanford.edu`

Fusao Oka, `foka@mbox.kudpc.kyoto-u.ac.jp`

Stein Sture, `sture@colorado.edu`