

11th International Workshop on Bifurcation and Degradation in Geomaterials

with special session dedicated to Hans Muhlhaus
at the occasion of his 70th birthday

CONFERENCE AIM AND OBJECTIVES

After the last highly successful meeting of IWBDG in May 2014 at the Polytechnic University of Hong Kong, this year's workshop will take place in Cyprus, in May 2017. The Organizing Committee hopes to make this workshop a memorable event, by bringing together renowned international scientists on a number of topics, promoting scientific discussions, encouraging future collaborations and integrating in the scientific program, a rich program of social activities. In accordance with the workshop's objective to promote insight in bifurcation and degradation in geomaterials, scientists are invited to present recent advances in instabilities, localized and diffuse failure, multiscale, multiphysics, micromechanical modeling and other related topics. Another major goal is to promote the link between theoretical and applied mechanics with engineering applications in traditional and in emerging fields, such as geomechanics for the Energy and the Environment. The meeting encourages in particular by applying moderate registration fees, the participation of Young Researchers at the doctoral and post-doctoral levels.

Conference Topics

The conference is dedicated to Professor Hans Muhlhaus, on the occasion of his 70th birthday, in recognition of his contributions and his achievements in the field of Bifurcation and Degradation in Geomaterials. A 1-day special session in honor of Professor Muhlhaus will be organized by Professors Elena Pasternak and Arcady Dyskin.

- 1) Experimental modeling of instabilities localization and degradation.
- 2) Constitutive modeling and multi-physical coupling for localization, instability and degradation of geomaterials.
- 3) Geomechanics for Energy, Environment and Geophysics.
- 4) Soil-tool/machine interaction.
- 5) Numerical modeling of failure, localized deformation and gravity driven flows.
- 6) Micromechanics and multi-scale analysis of instabilities and degradation.
- 7) Sessions dedicated to Prof Hans Muhlhaus, on the occasion of his 70th birthday

Call for Papers

Authors are invited to submit a paper in English for oral or poster presentation at the Workshop. The papers will be published in the Proceedings of the Workshop by Springer and will be distributed at the Workshop.

Venue

Royal Apollonia Beach Hotel - 5*



Contacts

Registration and local arrangements:
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SCIENTIFIC PROGRAM

Important Dates

- Calls for papers opens: December 1, 2015
- Abstract Submission: April 15, 2016
- Notification of acceptance: ~~May 15, 2016~~ **Jun 15, 2016**
- Manuscript Submission: ~~October 1, 2016~~ **Oct 15, 2016**
- Notification of Revisions: ~~December 1, 2016~~ **Dec 20, 2016**
- Final Submission: ~~January 15, 2017~~ **25 January 2017**

Conference Programme

- 3.5 days of lectures
- 7 Keynote speakers
- 1-day Session in honor of Prof. H-B. Muhlhaus, on the occasion of his 70th birthday
- 1 Poster Session
- Evening excursion to Paphos archaeological site and Old Port

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