

International Symposium on Geohazards and Geomechanics 10-11 September, 2015

University of Warwick, Coventry, U.K.

Bulletin No. 1

The accepted papers will be published in a Proceedings Volume by *IOP Conference Series: Earth and Environmental Science* and indexed in the major databases:

- ISI Thompson Reuters (Web of knowledge)
- Scopus
- Engineering Village



Supported by:

- EU FP7 IRSES 'Geohazards and geomechanics'
- TC 105 ISSMGE, "Geomechanics from Micro to Macro"
- TC 208 ISSMGE, "Slope stability in Engineering Practice"
- The British Geotechnical Association

Objectives

This symposium aims to bring together the complementary expertise of world leading groups carrying out research on the **engineering assessment, prevention and mitigation of geohazards**.

To mitigate against these disasters we need for instance to achieve better models for a more **rational risk assessment** of areas prone to landslides, investigate the geomechanical conditions leading to the onset of landslides (e.g. earthquakes), model debris flows and mudflows to estimate run-out distances and destructive power of the landslide materials, improve our modeling capabilities of fluid – ground interaction.

Prevention, preparedness and mitigation of geohazards rely on sound geo-engineering which requires competences in geomechanics, numerical modelling, constitutive models for soils, hazard zonation and risk assessment.

Important dates

- Abstracts due: 1st February
- Acceptance of abstracts: 15th February
- Full papers due: 30th April
- Notification of accepted papers: 30th May
- Revised papers due: 30th June

Main topics

- Landslides

- Debris flows
- Rock falls
- Rain-induced landslides
- Earthquake-induced landslides
- Physical modeling and material testing
- Monitoring, prediction and warning
- Remedial measures & prevention works
- Liquefaction
- Case studies and field survey reports
- Ground improvement techniques
- Slope stability

- Numerical modelling techniques

- Discrete/particle methods
- Continuum methods

- Hazard Zonation

- Landslide & geohazard susceptibility hazard/risk mapping

- Other geohazards

- Gas and leachates
- Floods



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Registration fees

Member of IRSES network or students	
- early bird registration	£ 100
- late registration (after 1 st Mar 2015)	£ 150
Non member of IRSES network	
- early bird registration	£ 150
- late registration (after 1 st Mar 2015)	£ 200
Gala dinner at Warwick castle	£ 50

University of Warwick

The University of Warwick is a public research university in Coventry, England. It was founded in 1965 as part of a government initiative to expand access to higher education.

University of Warwick consistently ranks in the top ten of all major rankings of British universities. In the last Research Assessment Exercise, the School of Engineering was ranked 3rd in the UK among the unified Engineering Departments, after University of Oxford and Cambridge.

Warwick is primarily based on a 290 hectare campus on the outskirts of Coventry with a satellite campus in Wellesbourne and a London base at the Shard in central London.

The University is conveniently located near Warwick castle which is one of the main tourist attractions in the Midlands. The gala dinner will offer a unique opportunity to enjoy the stunning beauty of the castle.

Coordinator

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Contact us

Symposium website:
<http://www.warwick.ac.uk/isgg2015>
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