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SUPSI



POLITECNICO
DI MILANO

Protect 2011

Performance, Protection & Strengthening of Structures under Extreme Loading

Third International Workshop
First Announcement and Call for Papers

Palazzo dei Congressi, Lugano
August 30-September 01, 2011



Protect2011 website

www.protect2011.supsi.ch



Introduction

PROTECT2011 will build on the success of the first two workshops in Whistler (Canada) in 2007 and Hayama (Japan) in 2009. The purpose of PROTECT2011 is to bring experts from different backgrounds to exchange ideas on performance, protection and strengthening of structures under extreme loading events and to create a multidisciplinary forum aimed at enhancing our understanding of the underlying complex issues and challenges. The Organizers hope that PROTECT2011 will serve as a catalyst in initiating a meaningful dialogue between the various stakeholders, and will result in the development of innovative solutions based on the idea of cross-fertilization.

Important deadlines

Abstract submission

15.10.2010

Acceptance notification to authors

31.10.2010

Paper submission

15.01.2011

Paper review

15.03.2011

Submissions of FINAL manuscripts

30.04.2011

Abstract

Please email a one page abstract as a word attachment to: protect2011@supsi.ch

Workshop Secretary

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Call for papers

Original papers are sought on

Performance of Materials

- Constitutive Response under High Strain-Rates
- Influence of Low and High Temperatures
- Cyclic and other Dynamic Loads
- Test Methods, Standardization and Performance Criteria
- Specialized Materials including Fiber Reinforced and High Performance Concrete, Specialized Steels and Fiber Reinforced Polymers

Performance of Structures under

- Impact Loads
- Blast and Explosive Loads
- Shock Loads
- Fire

Strengthening of Structures under Extreme Loading

- Assessment of Structural Condition
- Coatings and Surface Treatments
- Strengthening and Repair Methods

Structural Management and Protection

- Protection Concepts and Designs
- Underground Facilities
- Structural Health Monitoring and Advanced Sensing

Other Related Topics

Proceedings

The proceedings will be published in the periodical Applied Mechanics and Materials journal which is online available in full text via www.scientific.net. Key articles will be selected for publication, in extended form, in a special issue of the European Journal of Environmental and Civil Engineering.

Fees

	Early Registration (until March 31, 2011)	Regular Registration (from April 1-August 29, 2011)
Delegates	CHF 800	CHF 1'000
Student	CHF 600	CHF 800

Social Programs

An interesting social program is planned in conjunction with Protect2011. This will include visits to local (Italian & Swiss) attraction, site seeing, etc.

Venue

The Workshop will be held at Congress Palace of Lugano. Lugano is located in the Italian speaking southern Canton of Switzerland, situated on the border with Italy. Its special geographical position and warm welcome always displayed towards foreigners make Lugano a truly cosmopolitan city. Lugano is easily accessible by car, train and plane.