



Second announcement

5th National Conference on Earthquake Engineering and 1st National Conference on Earthquake Engineering and Seismology

Bucharest, Romania, June 19-20, 2014

Invitation

The 5th National Conference on Earthquake Engineering and the 1st National Conference on Earthquake Engineering and Seismology - 5CNIS & 1CNIS, will be held on 19th and 20th of June 2014 in Bucharest - Romania, at the Technical University of Civil Engineering, and they follow the National Conferences on Earthquake Engineering held in 1997, 2001, 2005 and 2009.

The 5CNIS & 1CNIS Scientific and Organizing Committees invite the specialists from education, research, design and construction industry to participate and to contribute with papers to this event.

In the years following the 4th National Conference on Earthquake Engineering, Romania has conducted national and international projects related to: seismic hazard assessment, seismic risk assessment, implementation of a new generation of design regulations, development of the national seismic instrumentation network, reduction of seismic risk through the retrofitting and rehabilitation of high risk buildings, development of partnerships of the specialised institutions working in the field of earthquake protection of buildings and historical monuments.

Conference Topics

The 5CNIS & 1CNIS conference will address the following topics:

1. Seismicity of Romania; physics of seismic sources; processing of seismic data; seismic hazard assessment; earthquake monitoring and early warning
2. Lithosphere structure and dynamics
3. Geotechnical earthquake engineering; site effects
4. Design regulations; structural analysis, performance based-design, seismic evaluation and rehabilitation
5. Seismic behaviour of engineering structures and of the transportation networks and lifelines
6. Seismic risk evaluation and management of emergency situations
7. Workshop *Education – a major factor in earthquake effects awareness; RoEduSeis Project*

Important dates

Abstracts (in English language, with maximum 300 words, .doc file) should be sent until **March 15th, 2014** on one of the conference e-mails: 5cnis@utcb.ro or 1cniss@infp.ro. The notice of acceptance will be sent to the authors by **April 15th, 2014**.

The accepted papers will be sent in .doc and .pdf formats at the same conference e-mails (5cnis@utcb.ro or 1cniss@infp.ro) for publication in the Conference proceedings. Papers will be in English and will have a maximum length of 8 pages.

Organizers

UTCB	Technical University of Civil Engineering Bucharest
INCDFP	National Institute for Earth Physics
ARIS	Romanian Association for Earthquake Engineering
AICR	Romanian Association of Civil Engineers



International Advisory Committee

Alex Horia Barbat
Rainer Flesch
Sergio Lagomarsino
Nurcan Meral Ozel
Antonella Peresan
Matsutaro Seki
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Dragoș Tătaru
Dragoș Toma

Conference venue

Technical University of Civil Engineering Bucharest
Address: Bd. Lacul Tei, no. 122-124, Sector 2, Bucharest, Romania
Phone/Fax: +40 21 242.97.22



Alex Horia Barbat

*Professor of Structural Mechanics and of Earthquake Engineering at the Technical University of Catalonia UPC, Barcelona, Spain
Senior researcher at the International Center for Numerical Methods in Engineering CIMNE, Barcelona, Spain*

Presentation: Probabilistic seismic risk scenarios: Is their comparison with observed damage possible?

Rainer Flesch

Professor at Graz University of Technology TU Graz and at Austrian Institute of Technology GmbH AIT, Wien, Austria

Presentation: Combination of dynamic in-situ measurements on structures with calculations - the meaning for assessment of the earthquake resistance

Sergio Lagomarsino

Professor of Structural Engineering, Department of Civil, Environmental and Chemical Engineering, Polytechnic School - University of Genoa, Italy

Presentation: Development of fragility functions for masonry and RC buildings by observational, analytical and hybrid methods

Nurcan Meral Ozel

Professor at Bogazici University, Head of Department of Geophysics, Kandilli Observatory and Earthquake Research Institute, Istanbul, Turkey

Presentation: to be announced

Antonella Peresan

Ph.D., Seismologist at the Department of Mathematics and Geosciences, University of Trieste, Italy

Presentation: Neo-deterministic seismic hazard assessment: an operational scenario-based approach from national to local scale

Matsutaro Seki

*Visiting research fellow of Building Research Institute, Tsukuba, Japan
Former JICA long term expert in Romania*

Presentation: The current topics on Japanese seismic resistant buildings in Japan

Friedemann Wenzel

Professor at Karlsruher Institut für Technologie KIT, KIT-Zentrum Klima und Umwelt, Karlsruhe, Germany

Presentation: Trends in global earthquake loss



Registration fees

Early-bird registration (until 15 May 2014)		Late registration (until 10 June 2014)		On-site registration	
Regular participant	100 RON	Regular participant	125 RON	Regular participant	150 RON
AICR members	80 RON	AICR members	100 RON	AICR members	120 RON
Postgraduate students	50 RON	Postgraduate students	60 RON	Postgraduate students	70 RON
Undergraduate students	25 RON	Undergraduate students	25 RON	Undergraduate students	25 RON

Social events

Gala dinner at Caru cu Bere Restaurant http://www.carucubere.ro/en/	19 th of June 2014	100 RON
Field trip to Cheia Seismic Station (lunch included) http://www.infp.ro/cercetare/laboratoare/centru-de-date/statia-seismica-mlr	21 st of June 2014	180 RON