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II International Conference Seismic – 2018

Conference title

Problems of Earthquake Resistance in Cultural Heritage Monuments Protection and Civil Engineering

Georgia, Tbilisi

Honorary Committee

Proclamation download >>>>

PROCLAMATION

Dear Community of Civil Engineers, Dear Colleagues,

Civil engineering belongs to the oldest domains of human activity – its history is as long as the history of civilization. The social role of civil engineering in the development of mankind has always been of fundamental importance because the standard of human life has been so highly dependent on its progress. This can be observed from the beginning of human history up to the present day. Civil engineering deals with all aspects of the built environment (either physical or natural) and can be dated to the first time someone placed a roof over his or her head or laid a tree trunk across a river to make it easier to get across. And we can be confident that the role of civil engineering will continue to grow into the future.

Civil engineering as a domain of technological activity is a key element of the national and international economy. Economic progress is impossible without adequately developed social and physical infrastructure, including, for example, buildings, water distribution networks, and service and transport infrastructure networks.

Contemporary achievements of civil engineering, thanks to the progress of building knowledge and science, are spectacular. This is exemplified by numerous tall buildings, dams, large bridge structures, water infrastructure, motorways, sport stadiums and halls, theater houses, etc., constructed in the last decades and strongly influencing urban and extra-urban areas and landscapes. On the other hand, we should also note less spectacular but equally important achievements for social and economic reasons, such as residential buildings, smaller bridges, roads, industrial buildings, etc. The first field can be considered as extraordinary examples of civil engineering, illustrating its especially high level of achievement, while the second one can be considered as 'the work of the day' of civil engineers. Both of them are equally important.

The social, economic and cultural progress of every country is impossible without the contribution of civil engineers, based on their education, professional knowledge and experience. The impacts of their activity can be evidently observed in the form of buildings and structures of various types. Civil engineers are in general socially accepted or in many cases admired. In spite of its dynamic development and its very considerable modern achievements, civil engineering is commonly treated as a rather traditional domain of technology. This situation can be observed in many countries world-wide including in Europe.

However, the reality is that the role of civil engineers in advancing social, economic and cultural progress is especially high. Moreover, civil engineering is a profession that enjoys the highest level of public confidence. Civil engineers are ultimately responsible for the safe utilization of buildings and structures. This is an especially important and often forgotten aspect of the social role of civil engineers. Apart from their technological activities, civil engineers also increasingly consider the social effects of engineering decisions. To meet this condition, civil engineers continue to widen their knowledge of the economic and social sciences.

Ultimately, civil engineering is a very exciting profession. At the end of the day civil engineers can see the results of their work, whether this is a completed bridge, a port, a high-rise building, a subway station, a tunnel, a highway, a hydroelectric dam or even a small house.

Looking to the future, the civil engineering profession will play a fundamental role in dealing with many of the challenges that society will face. The world is becoming increasingly and relentlessly urbanized and this is bringing with it unprecedented social, economic and environmental stresses. Added to this will be the impacts of climate change and environmental degradation. While all aspects of civil engineering will be put to the test, there will be a particular focus on the areas of transportation, energy and water. Civil engineers will be tasked with providing infrastructure which is both sustainable and resilient to address these challenges.

The profession will also be challenged to proactively address the opportunities and efficiencies which will be brought about by the digital revolution, also known as the fourth industrial revolution. Digital technology will drive increasing auto-

29.06.2018-2.07.2018

- **Mr. Iuri Svanidze M.ASCE – ECCE ExBo Member, President of Georgian Society of Civil Engineers (GSCE)**
- **Mr. Wlodzimierz Szymczak** – Acting President of European Council of Civil Engineers (ECCE)
- **Mr. Alfonso Gonzalez Fernandez** - President of World Council of Civil Engineers (WCCE)

- **Academician, Mr. Giorgi Kvesitadze** - President of Georgian National Academy of Sciences (GNAS)
- **Dr. Kenneth D.Walsh** - Dean of San Diego State University - Georgia (SDSU)
- **Mr. Nikoloz Antidze** - Director General Of National Agency for Cultural Heritage Preservation of Georgia
- **Prof. Gela Kipiani** – President of NGO “Progress in Education and Science” Georgia

Dear Colleague,
Due to your recognized research and reputation in the area of civil engineering, the Organizing Committee of the II International Conference: Problems of Earthquake Resistance in Cultural Heritage Monuments Protection and Civil Engineering June 29- July 02.

List of Sections:

- **Seismic resistance of construction mechanisms and structures**
- **Seismic resistance of hydraulic structures**
- **Seismic resistance of roads ,bridges and tunnels**
- **Buildings designing and constructions considering seismic impacts**
- **Rehabilitation of cultural monuments**
- **Constructions Economics and management**

The Programme of the Conference includes plenary lectures (45m), invited lectures (45m), reports at sessions (20m), special sessions (20m), poster session. And social/ networking events.

Papers for the Proceedings: PROCEEDINGS (in a book form) of only refereed papers (up to 8 pages for contributed talks and up to 12 pages for key lectures) will be published. Each paper publication must be covered by separate registration fee.

Conference Location: Georgian National Academy of science, Tbilisi, Georgia

Contact Address: Tbilisi, Shota Rustaveli ave. 52; 0108

Conference E-mail: Seismic problems@gmail.com

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Co-Chairman: Dr. Kenneth D.Walsh

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Co-Chairman: Prof. Gela Kipiani

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Conference Secretary: Salome Kilanava

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Conference Fee: The conference fee covers a reception, an excursion, welcome party, conference dinner, a volume with the abstracts, the expenses for publishing of the submitted paper and some other materials. It is for: Non-students: 350 EURO; Students: 100 EURO; Accompanying person: 100 EURO.

Deadlines:

Deadline for registration: 10 March, 2018

Deadline for abstract submissions: 15 March, 2018

Notification of acceptance: 15 May, 2018

Deadline for submissions of the full paper: May 15, 2018

Notification of acceptance of the full paper: May 15, 2018

Conference Overview:

Evening Welcome Reception: 29 June 2018

Conference Presentation Days: 30 June – 1 July 2018

Conference Dinner: 1 July 2018

Optional Tours: 2 July 2018

REGISTRATION FEE

Early Bird Fee

Fee A: Oral presentation e poster (author N 1)

€ 350

Fee B: Students and PhD. Students

€ 100

Fee C: Publishing only

€ 100

Fee E: Participant without paper

€ 100

Fee F: Accompanying persons

€ 100

Registration fee to the Conference includes

- publication in paper and electronic form,
- meals,
- recreational program.

Cost of travel and accommodation is not included in the registration fee.

The organizers do not organize the journey and book hotels for participants of the conference (list of hotels will be provided at a later stage).

The fee should be paid in Euro into the following bank account by **May 15, 2018**

BENEFICIARY BANK: BANK OF GEORGIA

Intermediary Bank: Commerzbank, Frankfurt, Germany; SWIFT; COBADEFF

Account With Institution: Bank of GEORGIA, SWIFT; BAGAE22; 29a Gagarin street, Tbilisi 0160, Georgia

Beneficiary: GEORGIAN SOCIETY OF CIVIL ENGINEERS

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