



## CONFERENCE VENUE



## TECHNICAL FIELD TRIP

Organized in Valea Drăganului, Fântânele (dam, reservoir)



## THE ATTENDANTS' PROGRAMME

Attendants are welcome; a special program will take place in Baile Felix, Baile Episcopiei (Lotus Termalis) and in Oradea.



## INVITATION

On behalf of the National Commission for in Situ Behavior of Constructions (CNCisC) in Romania, it is a great honor to invite you to "The First Central European Carpathian-Euroregion Congress on In Situ Behavior of Constructions and Environmental Protection", the forum of the civil engineers in Central Europe, in Euro-Carpathian region. Extensive activity in the field of all constructions - with special reference to their infrastructure - compel us, in the interest of progress, and in particular that of design and operation, to a permanent monitoring of in situ behavior of constructions. The special purpose of the present Congress is to implement the continuity of these international events - in this limited European area - thereby strengthening the international scientific and technical ties of civil engineers, architects and technicians in cross-border conditions. The history of construction works and the general activity in this field - especially since Tacoma Narrows bridge disaster on July 2, 1940 USA - shows invaluable calculation

values of the data collected from monitoring in situ behavior for both science and practice of civil engineering, as a bases of the progress in achieving highly competitive structures. The Congress will be held in Baile Felix, a beautiful spa with thermal waters that holds one of the first places in Europe due to its features. The National Commission (CNCisC) in Romania invites, with great esteem and pleasure, representatives of the construction industry - engineers, researchers, scholars and students - to take part in this international scientific and technical event, in excellent social and technical conditions. We are looking forward to your presence at the CONGRESS in Baile Felix ROMANIA.

President CNCisC Romania - Bucharest  
PhD Eng. Victor Popa

## PRELIMINARY RECORD FORM

I am interested in participating in the Congress

Last name \_\_\_\_\_ First name \_\_\_\_\_  
 Female  Male  Prof.  PhD.   
 Organization \_\_\_\_\_  
 Department \_\_\_\_\_  
 Address \_\_\_\_\_ Code \_\_\_\_\_  
 City \_\_\_\_\_ Country \_\_\_\_\_  
 Home phone / mobile phone \_\_\_\_\_  
 Fax \_\_\_\_\_ E-mail \_\_\_\_\_  
 Title of the paper \_\_\_\_\_  
 Section 1  Section 2  Section 3  Section 4   
 Author \_\_\_\_\_  
 Co-author \_\_\_\_\_

## CALL FOR SPONSORSHIP

The Organizing Committee warmly appeals to all those who wish to financially support the success of this prestigious cross-border event in order to highlight the importance of monitoring in situ behavior of constructions, as a source of scientific and technical progress in both design and operation.






## COMPANY I AM REPRESENTING IS INTERESTED IN SPONSORING THE CONGRESS

Organization \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Fax \_\_\_\_\_  
 \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_



INTERNATIONAL  
COUNSEL OF  
CIVIL ENGINEERS

# THE FIRST CONGRESS IN THE CENTRAL EUROPEAN CARPATHIAN-EUROREGION ON IN SITU BEHAVIOUR OF CONSTRUCTIONS AND ENVIRONMENTAL PROTECTION

CARPATHIAN      EUROREGION

2012  
BĂILE FELIX - ORADEA, ROMÂNIA  
18-21 OCTOBER 2012



**MONITORING IN SITU BEHAVIOUR OF CONSTRUCTIONS**  
 CIVIL, WAYS OF COMMUNICATION:  
 ROADS, BRIDGES, RAILWAYS AND HYDROTECHNICAL  
**FIRST NOTICE FOR PARTICIPATION**  
 CALL FOR PAPERS

THE FIRST CONGRESS  
CNCisC  
BĂILE FELIX - ORADEA  
18-21 OCTOBER 2012  
PADIS HOTEL  
ROMANIA

ORGANISERS:



THE NATIONAL COMMISSION FOR IN SITU BEHAVIOUR  
OF CONSTRUCTIONS BUCHAREST - ROMANIA

FACULTY OF CONSTRUCTIONS AND ARCHITECTURE, UNIVERSITY OF ORADEA  
ORADEA TOWNHALL

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## GUIDELINES - OBJECTIVES

In situ behavior of constructions is the display of physical and chemical transformations they go through in the process of interaction with the environment – natural and technology – and it can be characterized by different performances and conditioned by the emergence and development of behavioral phenomena and the measurements that accompany them.

The monitoring of in situ behavior of constructions is made by means of observation and interventions and aims to assess their ability to operate and measures to maintain or restore them.

### Topics of interest:

- Interaction of constructions with the environment (actions, effects, environmental aspects)
- Construction pathology (faults, impairment, accidents, damage)
- Monitoring in situ behavior of constructions (watching behavior and interventions on buildings)
- Environmental protection (working with nature, possible compromises, green buildings)
- Theorizing, legislation, recommendations.

The Congress of civil engineers from Carpathian Euroregion aims to highlight the role of knowing the in situ behavior of constructions by attracting and catalyzing the technical and engineering potential in this area of Central Europe in order to ensure progress by using it as a source of inspiration and a check point for any innovation and invention, from a cross-border standpoint, in the field of civil engineering and environmental protection.

The congress refers to the behavior of all types of constructions and is addressed to all professionals busy or concerned of constructions.

## WORKING SECTIONS OF THE CONGRESS

Section 1: Civil, industrial and agro-zootechnical buildings

Section 2: Construction, ways of communication - roads, bridges, railways

Section 3: Hydrotechnical constructions

Section 4: Environmental protection

The First Congress in the Central European Carpathian-Euroregion on "IN SITU Behavior of Constructions and Environmental Protection" Băile Felix, Oradea, 18-21 October 2012, ROMANIA

## SCIENTIFIC COMMITTEE

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Kovacs Imre (HU)	Varlam Florin (RO)
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Chindlea Lucian (RO)	Varga Gabor (RO)
Corbu Silviu (RO)	Wanek Ferenc (RO)
Gobesz Zsongor Ferdinand (RO)	

## IMPORTANT DATA

**30 March 2012:** Submission deadline for the abstracts, min. 150 and max. 350 words, by email mentioning the name, address, telephone/fax and email, the name of the authors and the section they take part in. The abstracts will be written in the national language and in English.

**30 April 2012:** Abstract confirmation of approval

**31 July 2012:** Sending the accepted papers in extenso that will be presented orally and published in the special volume of the Congress. The presented posters will be shown continually during the Congress.

## OFFICIAL LANGUAGE

Official languages: Romanian, Hungarian, Russian and English both for written papers and for oral presentation, simultaneous translation being provided.

## CONGRESS SECRETARIAT

Faculty of Constructions and Architecture, University of Oradea  
Oradea Town-hall

CNCiSc Bucharest -Bihor County Commission "In Situ Behavior and Diagnosis of Constructions"

Regional Group of Scientific Research Concerning the In Situ Behavior and Diagnosis of Constructions (KAB)

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## GENERAL PROGRAMME OF THE CONGRESS

**Thursday, October 18:**

- Arrival, check-in, accommodation

**Friday, October 19:**

- Registration
- Congress opening at 9:30 am
- Plenary session
- Technical sessions
- Lunch
- Technical sessions
- Congress banquet

**Saturday, October 20:**

- One-day technical field trip in Apuseni Mountains (Western Carpathians) to hydrotechnical and hydropower constructions

**Sunday, October 21:**

- Departure for home after breakfast