

First Call

The sixth edition of the research conference on constructions, economy of constructions, architecture, urbanism and territorial development

CHALLENGES FOR ROMANIA WITHIN HORIZON 2020 - THE EU FRAMEWORK PROGRAM FOR RESEARCH AND INNOVATION 2014-2020: PREPARING EUROPEAN PARTNERING IN RESEARCH AND TECHNOLOGICAL DEVELOPMENT FOR SUSTAINABLE CONSTRUCTIONS AND BUILT ENVIRONMENT

18 October 2013

The conference will be organized by the National Institute for Research and Development in Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC at the INCERC branch building in Bucharest, Șos. Pantelimon nr. 266, sector 2.

The objective of the conference is to present the trends of research in urbanism, architecture, constructions, and connected disciplines in the light of challenges launched by Horizon 2020 Strategy. We take into account that this Program reflects a new way of financing research and we must be prepared by some advanced discussions. Some difficulties may arise especially for recently admitted EU members, while for countries undergoing the accession procedures the way might be paved with obstacles. In our discussions we refer to documents as those of ec.europa.eu/research/horizon2020/, and about ways and means to achieve the proposed support for research and innovation under Horizon 2020 in order to:

1. Strengthen the EU's position in science and provide a boost to top-level research in Europe, by individual efforts of each country.
2. Strengthen industrial leadership in innovation, with major investment in key technologies, greater access to capital and support for SMEs.
3. Address major concerns shared by all Europeans such as climate change, developing sustainable transport and mobility, making renewable energy more affordable, ensuring food safety and security, or coping with the challenge of an ageing population.

Challenging questions are about:

1. How to bridge the gap between research and the market by technological breakthroughs into viable products with real commercial potential?
2. How to create partnerships with the private sector and Member States to bring together the resources needed?
3. How to enhance international cooperation between ENBRI institutes?

General topics

1. General issues of EU and Romanian RTDI Strategy (Key Note Lectures from ENBRI-EC RTD members, Romanian Ministry of National Education – The National Research Strategy, Ministry of Regional Development and Public Administration)
2. State of the art of Romanian research in specific fields and new ideas for new research
3. State of the art of European research in specific fields and new ideas for upcoming research
4. Fields and means of partnering within the Romanian Strategy of RDI and EU Horizon 2020, as seen from the level of a researcher in an EU country, under crisis and post-crisis constraints.

For each general topic, the **detailed topics** of the conference are:

1. Research on constructions and the economy of constructions
2. Research in architecture, urbanism and territorial planning

Access to this conference is restricted to registered participants, regardless of presenting a paper or not. **Registration** can be done exclusively on-line using the form available at https://docs.google.com/forms/d/1ug02bDxiltc3_1VczJxXt0mWpKNPSIRaRQnVZBvvbNE/viewform

The papers will be delivered either as posters displayed around the conference rooms or oral presentations, not to exceed 15 minutes, in moderated sessions. To present an oral communication or poster, each participant must submit by e-mail to conferences@incd.ro before 1 September 2013 their **abstract**, and before 1 October 2013 the **full paper**, to be published in the journals *Urbanism. Architecture. Constructions*, ISSN 2069-0509 (indexed with 26 databases and libraries) or *Constructions*, ISSN 1221-2709 (indexed with 31 databases and libraries). Abstracts will be published in will be published in „*Conferința de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului. Rezumate ale lucrărilor*” (Research conference on constructions, economy of constructions, architecture, urbanism and territorial development. Abstract Proceedings), Vol. 6, ISSN 2343-7537.

Guidelines

The only acceptable format **for all documents** is Word 2003 or previous (DOC). Documents submitted in other formats (DOCX, PDF) will not be taken into consideration. The only documents that should be submitted are the participation coupon, abstract, and full paper.

Abstracts will have the following structure: title, authors and affiliations, followed by the text structured using the headings: 1. *Context*, 2. *Materials and methods*, 3. *Results and discussions*, 4. *Conclusions*. If this structure is not suitable, the second chapter can lack or be replaced. The maximum size is 1 A4 page written using Times New Roman de 12, single spaced. No graphs, tables, references or keywords are allowed.

Posters will have the maximum size A0 and include the name of conference, title, authors and affiliations, followed by the contents structured using the following sections: 1. *Context*, 2. *Materials and methods*, 3. *Results and discussions*, 4. *Conclusions*. If this structure is not suitable, the second chapter can lack or be replaced.

The **editing guidelines** for full papers are available at <http://uac.incerc.ro/Index/instr.htm> (*Urbanism. Architecture. Constructions*) and at http://constructii.incerc2004.ro/en/pt_autorie.htm (*Constructions*). In choosing the journal, civil engineers must account for the fact that *Constructions* requires very technical papers, with a rigorous mathematical substantiation proved by equations, and describing experimental results, while *Urbanism. Architecture. Constructions* has a broader audience and accepts more general papers, which do not necessarily include equations or experimental results.

Language. Foreign authors will fill in the English version of the participation coupon and will conceive their posters and presentations in English or French. Abstracts must be written in English, implying a permission given to the organizers for translating them in Romanian, if needed (based on the attendance). Full papers will be submitted in English for *Constructions* and English or French for *Urbanism. Architecture. Constructions*.

Contact person: Alina BĂILEȘTEANU, Head of the Marketing and International Cooperation Department of NIRD URBAN-INCERC, phone: ++4021/255-16-67, cell: ++40721-568-546, e-mail: alina_bailesteanu@incd.ro, alina.bailesteanu@yahoo.com

General program (details will be offered after 1 October 2013)

9 ⁰⁰ -9 ³⁰	Registration
9 ³⁰ -10 ⁰⁰	Official opening
10 ⁰⁰ -10 ³⁰	Coffee break
10 ³⁰ -13 ⁰⁰	Presentations
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -16 ³⁰	Presentation
16 ³⁰ -17 ⁰⁰	Conclusion

Organizing committee

President

Arch. Vasile MEIȚĂ, PhD

Members

Eng. Nicolae ARMION
Philologist Alina BĂILEȘTEANU
Eng. Emil-Sever GEORGESCU, PhD

Eng. Claudiu Lucian MATEI
Eng. Constantin MIRON, PhD
Ecol. Alexandru-Ionuț PETRIȘOR,
PhD, PhD

Ec. Cezar Petre SIMION-MELINTE, PhD
Eng. Liana TEREĆ, PhD
Architect Marius VOICA, PhD

Scientific / Program Committee

President

Ecol. Alexandru-Ionuț PETRIȘOR,
PhD, PhD

Members

Eng. Nicolae ARMION
Mat. Ioan Sorin BORCIA, PhD
Ec. Florin Marian BUHOCIU, PhD
Eng. Carol ENYEDI
Eng. Iolanda Gabriela CRAIFALEANU, PhD
Eng. Comelia-Florentina DOBRESCU, PhD
Eng. Claudiu-Sorin DRAGOMIR, PhD
Eng. Ciprian Nicolae ENE
Eng. Emil-Sever GEORGESCU, PhD
Eng. Cristian GRIGORAȘENCO

Eng. Radu HARIGA, PhD
Eng. Avram JURCA, PhD
Eng. Claudiu Lucian MATEI
Arch. Vasile MEIȚĂ, PhD
Eng. Aristide Sergiu MELINTE
Eng. Constantin MIRON, PhD
Eng. Alexandrina MUREȘANU
Eng. Mircea PĂSTRĂV, PhD
Arch. Ion PELEANU
Eng. Cristian PETCU, PhD
Eng. Horia PETRAN, PhD

Eng. Irina POPA, PhD
Arch. Eugen Silviu Lucian POPESCU
Phys. Oana Cătălina POPESCU
Eng. Constantin Ioan PRĂUN
Ec. Cezar Petre SIMION-MELINTE, PhD
Eng. Henrietta SZILAGYI, PhD
Eng. Liana TEREĆ, PhD
Eng. Vasilica VASILE
Architect Marius VOICA, PhD
Eng. Marta Cristina ZAHARIA, PhD