

Cea de-a șasea ediție a conferinței de cercetare în construcții, economia construcțiilor, arhitectură și dezvoltare teritorială având ca temă:

PROVOCĂRI PENTRU ROMÂNIA ÎN CADRUL STRATEGIEI ORIZONT 2020 PROGRAMUL CADRU AL UNIUNII EUROPENE PENTRU CERCETARE - DEZVOLTARE ÎN PERIOADA 2014-2020

● **PREGĂTIREA PARTENERIATELOR EUROPENE PENTRU CERCETARE ȘI DEZVOLTARE TEHNOLOGICĂ PRIVIND SUSTENABILITATEA CONSTRUCȚIILOR ȘI A MEDIULUI CONSTRUIT**

**URBAN
INCD
INCERC**

18 octombrie 2013

Conferința va fi organizată de Institutul National de Cercetare - Dezvoltare în Construcții, Urbanism și Dezvoltare Teritorială Durabilă URBAN-INCERC la sediul sucursalei INCERC București în Șoseaua Pantelimon, nr. 266, sector 2. Mijloace de transport: tramvielele 14, 46 și 55 (stația B-dul Chișinău), autobuzele 101, 104 și 335 (stația B-dul Chișinău), 253 (stația Morarilor).

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GENERAL PROGRAM

9 ⁰⁰ -9 ³⁰	Registration	12 ⁰⁰ -13 ³⁰	Presentations (parallel sections)
9 ³⁰ -10 ⁰⁰	Opening speeches	13 ³⁰ -14 ³⁰	Lunch break
10 ⁰⁰ -10 ³⁰	Coffee break	13 ³⁰ -14 ³⁰	Visit of INCERC Bucharest branch, demos using earthquake mini-simulators (seismic behavior of buildings)
10 ³⁰ -12 ⁰⁰	Plenary session	14 ³⁰ -17 ⁰⁰	Presentations (parallel sections)

Plenary session (chair: Vasile MEIȚĂ, General Director of NIR&D URBAN- INCERC)

10 ³⁰ -10 ⁴⁵	10 ⁴⁵ -11 ⁰⁰	11 ⁰⁰ -11 ¹⁵	11 ¹⁵ -11 ³⁰	11 ³⁰ -11 ⁴⁵	11 ⁴⁵ -12 ⁰⁰	12 ⁰⁰ -12 ¹⁵
<p>Dan Bălțeanu <i>Urbanization and territorial planning in a global environmental change context</i></p>	<p>Luc Bourdeau <i>The place of Construction in H2020 and the role of ECTP and E2BA</i></p>	<p>Károly Matolcsy, Melinda Soltész-Lipcsik, Lajos Frey, Edvárd Kuthi <i>National Energy Strategy for the Building Sector and the lessons learned from CONCERTO projects in Hungary</i></p>	<p>Johan Vyncke <i>Contractors Research Priorities for 2015 at the Belgian Building Research Institute</i></p>	<p>Peter Richner, Mark Zimmermann, Robert Weber <i>NEST – A holistic, dynamic and flexible research platform for sustainable construction</i></p>	<p>Kristina Mjörnell <i>SPs strategies within the area The Build Environment</i></p>	<p>Henadzi A. Purs <i>Principal directions of development of the pricing system in construction sector of the Republic of Belarus</i></p>

Parallel sessions (Part 1)

Architecture, urban and territorial planning	Smart cities	Civil engineering and economy of constructions	
Chair: Alexandru-Ionuț PETRIȘOR	Chair: Pietro ELISEI	Chair: Emil-Sever GEORGESCU	Chair: Claudiu Lucian MATEI
<p>Ioan Ianoș, Cristina Merciu, Natașa Vădianu Loreta Cercleux George Merciu <i>The estimation of Bucharest population accessibility to some basic services</i></p>	<p>Pietro Elisei, Sabina Dimitriu <i>Smart cities in the making: the importance of an overarching strategic urban agenda for Romanian cities</i></p>	<p>Alexandru A. Botici, Viorel Ungureanu, Adrian Ciutina, Alexandru Botici, Dan Dubina, Zsolt Nagy, Ludovic A. Fülöp, Markku J. Riihimäki, Asko Talja <i>Sustainably challenges of residential reinforced-concrete panel buildings. Perspectives from Eastern and Northern Europe</i></p>	<p>Goran Petrovic, Nebojsa Milovanovic <i>Recent research work resulting in IMS Building Technology improvements</i></p>
<p>Florin Marian Buhociu, Dragos Horia Buhociu <i>Territorial development-support for cross-border cooperation</i></p>	<p>Giuseppe Conti, Nicola Giuliani <i>Hybrid indoor /outdoor location for smarter cities: a forthcoming EU project</i></p>	<p>Felicia Niculescu-Enache <i>The behavior of foundation soil made up of ballast and geogrid-reinforced ballast to dynamic vibration loads</i></p>	<p>Marin Lupoae, Catalin Baci <i>Using pressure-impulse diagrams to assess the destruction of enforced concrete elements due to the action of explosion</i></p>
<p>Daniela Stoian, Daniel Peptenatu Cristian Drăghici <i>Assimilations and differences in the demographic dynamics of the south-east Europe metropolis</i></p>	<p>Michele Gubert <i>Smart grids through micro-cogeneration with fuel cells</i></p>	<p>Carol Enyedi <i>Compressive strength assessment of a structural wall model made of cold rolled C shape steel profiles</i></p>	<p>Mircea Pastrav <i>Rehabilitation of an Electric Power Transformation Station</i></p>
<p>Liviu Gabriel Ghituleasa, Anca-Andreea Ghitulesa <i>The other side of architecture</i></p>	<p>Giuseppe Conti, Nicola Giuliani <i>GPU: a new smarter urban planning tool based on geospatial technologies</i></p>	<p>Henriette Szilagyi, Cornelia Baeră, Mircea Păstrav, Ofelia Corbu, Attila Puskas <i>Recycled aggregate concrete properties</i></p>	<p>Cornelia Baeră, Henriette Szilagyi, Mircea Păstrav, Carmen Dico, Gabriela Călătan <i>Self-healing capability of engineered cementitious composites (ECC)</i></p>

Architecture, urban and territorial planning	Smart cities	Civil engineering and economy of constructions	
Chair: Alexandru-Ionuț PETRIȘOR	Chair: Pietro ELISEI	Chair: Emil-Sever GEORGESCU	Chair: Claudiu Lucian MATEI
Irina Saghin, Andrei Schvab, Radu Pintilii <i>A new view on the dynamics of the metropolitan area of Bucharest. A bottom-up approach</i>		Florin-Radu Hariga, Andrei Duță <i>Research on new materials - Cheramzit modules</i>	Gheorghe Bărbos, Cornelia Măgureanu, Mircea Păstrav <i>State of the art of ultra high performance concrete</i>
Alin D. Chiș <i>Modeling the administrative institutional network</i>		Adrian Iacob, Livia Miron, Constantin Miron, Monica Lilioara Cherecheș <i>Case studies on hygro-thermal response assessment of internal insulated elements of building envelope</i>	Maria Bostenaru Dan <i>The economic impact of seismic retrofit on heritage reinforced concrete buildings</i>
Mirela Paraschiv <i>Territorial management of homelessness in the European Union</i>		Ioana Mihaela Alexe, Marta Cristina Zaharia <i>Acoustical properties of some modern partitioning glass walls systems – case study</i>	Emil-Sever Georgescu <i>Improving earthquake resilience and preparedness through education and awareness of population. Activities of the EUR-OPA Major Hazards Agreement within European Center for Buildings Rehabilitation – ECBR in URBAN-INCERC, Bucharest, Romania</i>

Parallel sessions (Part 2)

Architecture, urban and territorial planning	Civil engineering and economy of constructions	
Chair: Alexandru-Ionuț PETRIȘOR	Chair: Emil-Sever GEORGESCU	Chair: Claudiu Lucian MATEI
Alina Băileșteanu, Ilinca Mărgineanu, Jianca Șefan <i>Cities of Tomorrow: Action Today - The six new URBACT thematic reports</i>	Dai Junwu, Qu Zhe, Zhang Chenxiao, Weng Xuran <i>Seismic damages of steel space gymnasium structures during the 2013 m7.0 Lushan earthquake in China</i>	Jin Bo, Dai Junwu, Gao Yongwu, Chen Hongfu <i>Field work and seismic damage analysis of China 4.20 Lushan earthquake on single-layer factory buildings with brick piers</i>
Alexandru-Ionuț Petrișor <i>Energy and eco-energy: the Romanian territory seen from the global change nexus viewpoint</i>	Mihai Silvestru, Raluca Paută, Aurelian Gruin, Alina Tirtea <i>Integration of earth houses in the concept of sustainability of civil buildings</i>	Alina Cobzaru, Victoria Cotorobai <i>Revision of the technical regulation p 96–1996. Factors of progress</i>
Daniel-Gabriel Vâlceanu <i>The quality of housing in poor urban polarization areas from Romania</i>	Adrian-Alexandru Ciobanu <i>Towards low energy building using vacuum insulation panels. Advantages and disadvantages</i>	Alina Cobzaru <i>Seismic design for installing, attachment type and anchoring the mechanical and electrical components in buildings installations</i>
Maria Bostenaru Dan <i>Research in architecture conservation - a multi-, inter- and trans-disciplinary domain</i>	Iolanda-Gabriela Craifaleanu <i>A comparative study of the Romanian code for the assessment of existing buildings, p100-3/2008, and of the corresponding European and U.S. regulations</i>	Avram Jurca, Ionel Mircea <i>Consolidation of sports hall</i>

Alexandra Ciolpan, Daniela Stoica, Amalia Balescu <i>Industrial areas - heritage items and potential for Bucharest</i>	Cezar-Petre Simion-Melinte <i>Strategic research directions in the field of construction economy in the period 2014-2020</i>	Vasilica Vasile, Alina Dima, Mihaela Ion <i>Case study relating on the concentration of solid particles in office spaces</i>
Catrinel Cotae <i>Location preferences of enterprises in the newly set Romanian metropolitan areas</i>	Silviu Lambrache <i>Cost estimate techniques for design services</i>	Irina Popa, Alexandrina Muresanu <i>Correlation possibilities between different accelerated weathering tests and outdoor exposures (marine and alpine environment) for performing anticorrosive paint systems applied on steel surfaces</i>
Sergiu Petrea, Emilia-Cerna Mladin <i>E4 - a local solution for an energy efficient building</i>	Florența-Nicoleta Tănase <i>Parametric analyses using screening design</i>	Alina Dima, Mihaela Ion, Vasilica Vasile, Daniela Stoica, Cora Stamate <i>Stability assessment of the colored coatings under the action of environmental factors</i>
Daniel-Gabriel Vâlceanu <i>Risk of racial segregation in urban settlements of south-west Oltenia development region</i>	Adrian Simion, Claudiu Sorin Dragomir <i>The schemes reliability of initiation the explosions used to the demolition of constructions</i>	Cristian Grigorasenco <i>Technological considerations on the application of rehabilitation procedures for large prefabricated panels structures</i>
Raluca Petre, Constantin Chifelea <i>Characteristics of planning crossborder areas - application to the formulation of a common strategy of territorial development of the crossborder area Romania - Bulgaria</i>	Emil-Sever Georgescu, Ioan Sorin Borcia, Iolanda Gabriela Craifaleanu, Ioan Constantin Prăun, Daniela Dobre, Claudiu Sorin Dragomir, Florența Nicoleta Tanase <i>National and international synergies in earthquake engineering: recent and ongoing research at N.I.R.D. URBAN-INCERC, INCERC BUCHAREST branch</i>	Ioan Sorin Borcia, Iolanda-Gabriela Craifaleanu, Nicoleta-Florenta Tănase, Elena Andreea Calarasu, Daniela Dobre, Claudiu-Sorin Dragomir, Emil-Sever Georgescu, Ioan-Constantin Praun <i>SM-ROM-GL (Strong Motion Romania Ground Level) Database</i>
Monica Tache, Antonio Tache <i>Spatial planning data base at the level of national and UE territory, in accordance with the new European challenges set out in the Europe 2020 Strategy</i>	Mihaela Stela Georgescu, Emil-Sever Georgescu <i>Education of students in architecture to understand the relationship between seismic performance and buildings configuration, under European and Romanian requirements</i>	Cristina Olga Gociman, Tiberiu Florescu, Cristian Moscu, Mihaela Stela Georgescu, Emil-Sever Georgescu, Iolanda Gabriela Craifaleanu, Daniela Dobre, Florența Nicoleta Tănase <i>European challenges vs. Romanian earthquakes: Assessment and mapping of vulnerability for risk mitigation in urban fabrics. Strategies and case study of Bucharest, Romania</i>
Vasile Meitã <i>Recent transformations in the architecture of Danube Delta</i>	Horia Petran, Cristian Petcu <i>Increasing the added value of energy performance certificates</i>	Horia Petran <i>Qualification schemes for building workforce to reach 20-20-20 targets</i>

POSTERS

Daniela Zamfir Ilinca-Valentina Stoica <i>Territorial disparities in Romania – consequence of an irregular development</i>	Roxana Simionescu <i>Intelligent transport systems</i>	Corina T. Chirilă, Alin D. Chiș, Andrei Mitrea <i>The democratic network? A conceivable national research network for spatial planning</i>
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