

**URBAN  
INCD  
INCERC**

Ministrul Educației și Cercetării Științifice  
Autoritatea Națională pentru Cercetare Științifică și Inovare  
Institutul Național de Cercetare - Dezvoltare în Construcții,  
Urbanism și Dezvoltare Teritorială Durabilă "URBAN-INCERC"



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## CERCETĂRI INTEGRATE PENTRU ORAȘE REZILIENTE, CONFORTABILE ȘI SIGURE



INVITAT SPECIAL

Prof. univ. dr. Peter BRIMBLECOMBE

Visiting Scholar of Energy and  
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**Cea de-a XI-a ediție**  
a conferinței de cercetare în construcții, economia construcțiilor,  
arhitectură, urbanism și dezvoltare teritorială

**13 mai 2016**



<http://conf.incd.ro>

## Second Call

11th edition of the research conference on constructions, economy of buildings, architecture, urban and territorial development

# INTEGRATED RESEARCH FOR RESILIENT, COMFORTABLE AND SAFE CITIES

13 May 2016



### SPECIAL GUEST

**Professor Peter BRIMBLECOMBE, PhD**  
Associate Dean, School of Energy and  
Environment, City University of Hong Kong  
[http://www6.cityu.edu.hk/see/personal/  
Peter\\_BRIMBLECOMBE.htm](http://www6.cityu.edu.hk/see/personal/Peter_BRIMBLECOMBE.htm)

will talk about

*“Resilient, comfortable and safe cities”*

**The event** will be organized by the National Institute for Research and Development in Constructions, Urbanism and Sustainable Spatial Development URBAN-INCERC at the main headquarters in Bucharest, Romania, Șos. Pantelimon nr. 266, sector 2. **The objective** of the conference is to join the solutions provided by researches in civil engineering, architecture and spatial planning to the societal challenges represented by the resilience, comfort and safety of cities. The attendance is restricted to registered participants, regardless of presenting a paper or not. **Registration** is free of any charge and can be done **only** at the Internet address [https://docs.google.com/forms/d/1FsklBwD5Aro5wciJp0knSXnMVwZebr61nH7wR9Y888Y/viewform?usp=send\\_form](https://docs.google.com/forms/d/1FsklBwD5Aro5wciJp0knSXnMVwZebr61nH7wR9Y888Y/viewform?usp=send_form)

**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 register before **29 April 2016**.

In addition to it, NIRD URBAN-INCERC offers attendants the chance to submit their work (abstracts and full papers) to its publications, available at <http://pub.incd.ro/>, as described below. The order of publications in the list corresponds to increasing value and exigencies. In any case, publication is **conditioned** by the **acceptance by reviewers** and **strict observance of the editing guidelines**.

- **Abstracts** (written in English and Romanian by the Romanian authors and English by the foreign authors) are 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. 11, ISSN 2343-7537, indexed by *Ulrich’s Web*, *ProQuest* and *Europa World of Learning / Routledge* – website: <http://pub.incd.ro/AP/index.htm>. The deadline is **15 April 2016**.

- **Full proceeding papers** are published in “*Lucrările conferinței de cercetare în construcții, economia construcțiilor, urbanism și amenajarea teritoriului*” (*Paper proceedings of the research conference on constructions, economy of constructions, architecture, urbanism and territorial development*), vol. 11, ISSN 2393-3208, indexed in *CiteFactor*, *ProQuest*, *Sherpa/RoMEO* and *Ulrich’s Periodicals Directory* – website: <http://pub.incd.ro/AP/index.htm>. The deadline is **15 April 2016**.
- **Full articles** are published in the journal *Constructions*, ISSN 1221-2709 (indexed with 31 databases and libraries) – websites: <http://constructii.incerc2004.ro/> (temporarily unavailable) and <http://pub.incd.ro/C/index.htm>. The deadline is **6 May 2016**.
- **Full articles** are published in the journal *Urbanism. Architecture. Constructions*, ISSN 2069-0509 (indexed with 32 databases and 71 libraries, including Thomson-Reuters (ISI) Emerging Sources Citation Index) – websites: <http://uac.incd.ro/> and <http://pub.incd.ro/UAC/index.htm>. The deadline is **6 May 2016**.

In order to provide each attendant a copy of the Abstract and Paper Proceedings, no submissions will be accepted for publication after the deadline, although participants registered after 29 April will be allowed to present their work. The deadlines for journals can be extended. 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. However, due to the indexation with *Thomson/Reuters ISI*, *Urbanism. Architecture. Constructions* requires authors bibliographies focused on published materials (journal and proceedings articles, books and book chapters) with a share of at least 90%, especially mainstream journal articles (indexed with ISI and Scopus).

### Guidelines

Please do not submit any document, such as Power Point presentation, to the organizers. The only documents that can be submitted are the abstracts and full papers. The only acceptable format is Word 2003 or previous (DOC). **Documents submitted in other formats (DOCX, PDF) will not be taken into consideration.**

**Posters** will be sized A0, use the layout available at <http://www.incd.ro/wp-content/uploads/2014/02/Model-poster.ppt> 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 and third chapters can lack or be replaced.

**Published materials** (abstracts, proceedings papers and articles) must meet the Author Guidelines specified on each publication’s site. Non-compliance results in an automatic rejection from publication, although authors can present their work (poster or oral) in the conference.

**Language.** Romanian authors will draft their presentations and full proceedings papers in Romanian or any foreign language, abstracts in Romanian and English. Foreign attendants will write the abstracts in English, implying a permission given to the organizers for translating them in Romanian, if needed (based on the attendance), and full proceedings papers in English. Full journal papers will be submitted in English for *Constructions* and English or French for *Urbanism. Architecture. Constructions*.

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### Conference calendar

<i>Abstract &amp; Paper Proceedings submissions</i>	<i>Registration</i>	<i>Conference Program</i>	<i>Journal submissions</i>	<i>Conference</i>
15 April 2016	29 April 2016	6 May 2016	6 May 2016	13 May 2016

### Tentative schedule

8:30-9:00	Registration
9:00-11:00	Opening speeches
11:00-12:00	Keynote presentation
12:00-13:00	Lunch break
13:00-16:00	Parallel sections
	<ul style="list-style-type: none"><li>• Constructions, economy of buildings</li><li>• Architecture, urban and territorial development</li><li>• Quality of construction works and conformity checking mechanisms for implementing the nZEB concept in Romania (dr. eng. Horia PETRAN, NIRD URBAN-INCERC)</li><li>• Workshop “i-Locate indoor Mapping Party Bucharest” (urb. planner Bogdan RUGINĂ, URBASOFIA)</li></ul>

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**i-locate - Indoor/outdoor LOcation and Asset management Through open gEodata (GA 621040)**



## PROJECT DESCRIPTION

The goal of i-locate is twofold. First it will **create a virtual hub for indoor open geographical data** regarding public spaces (hospitals, public offices, shopping malls, museums etc). This will have significant economic business impact and it will enable a number of indoor/outdoor (based on existing open data) businesses. The second goal is **to create a easy-to-integrate open middleware for indoor/outdoor** tracking and management of people and asset. **The technology will be validated in 14 pilot locations across Europe focusing on e-Health scenarios** (e.g. hospitals, retirement houses) and other public services (e.g. museum, public offices etc.). The results of the pilots, which are expected to run for at least one year, will be analysed to perform economic and social impact analysis. **i-Locate tries to bridges this gap through the creation of innovative businesses based on indoor and outdoor localisation of people and objects.** To this extent, i-locate is engineered to address very clear market requirements emerging from a core of specialised SMEs, targeting the following objectives:

- To create a public geoportal, the so-called “virtual hub”,
- To extend current open standards to support indoor/outdoor LBS
- To develop an open source “toolkit” for LBS supporting integrated indoor-outdoor asset
- To develop few clients for mobile devices (App)
- To test –for more than one year- the “virtual hub” and the “toolkit”
- To promote a number of openness and awareness-rising activities
- To stimulate innovation and business activities around indoor Geographic Information

### **Quality of construction works and conformity checking mechanisms for implementing the nZEB concept in Romania**

The session will tackle with issues regarding the certification of the qualification of construction companies and/or construction staff, knowledge of solutions adequate to nZEB, and actions for ensuring the conformity in the process of building production. Moreover, the requirements and possibilities of cooperation between research organization and the construction market/sector (Pro-nZEB Cluster) will be analyzed.