

# Second Announcement and Call for Submissions

## 2nd International Conference on Sustainable Urbanization ICSU 2015

7 - 9 January 2015, Hong Kong, China

Website: [www.polyu.edu.hk/risud/ICSU2015](http://www.polyu.edu.hk/risud/ICSU2015) Email: [icsu.2015@polyu.edu.hk](mailto:icsu.2015@polyu.edu.hk)

Organized by

Research Institute for Sustainable Urban Development (RISUD) & Faculty of Construction and Environment (FCE)  
The Hong Kong Polytechnic University

### Aim of the Conference

Massive urbanization programmes are under way in many parts of the world, often in regions where the available land and resources are limited relative to the size of the population (e.g. the Chinese mainland). While urbanization is a natural consequence of economic development and industrialization, it does lead to many challenges. Such challenges include the provision of effective urban infrastructures (e.g. transport systems), adequate housing, sufficient energy and water supplies, a clean environment, and caring community support systems in a sustainable manner. These challenges are amplified by the severe problems already faced by the world, including climate changes and limited supplies of natural resources. This conference series aims to provide a forum for the international scientific/engineering community to examine these challenges and to find effective solutions to ensure a sustainable process of urbanization and sustainable operation and management of urbanized areas.

### Scope of the Conference

This conference, being the second conference of the ICSU series, will comprise plenary keynote presentations and five distinct symposia focused on five important themes related to the sustainable development, operation and management of urban areas. Submissions related to these themes as explained below are invited. Authors are given the options of submitting only abstracts or abstracts plus full papers. All submissions will be peer-reviewed for possible inclusion in the conference program and the conference proceedings.

### Conference Programme

The three-day conference programme will include plenary keynote lectures and a set of 5 symposia. English will be the official language of the conference for both oral and written presentations.

### Plenary Keynote Speakers



**Prof. Chimay J. Anumba**

- Department Head and Professor of Architectural Engineering  
The Pennsylvania State University
- Fellow of Royal Academy of Engineering



**Prof. Eugenie L. Birch**

- Lawrence C. Nussdorf Professor of Urban Research and Education  
School of Design  
The University of Pennsylvania



**Prof. Hongguang Jin**

- Professor  
Institute of Engineering Thermophysics  
Chinese Academy of Sciences
- Academician of Chinese Academy of Sciences

**Title of presentation:** "Distributed energy systems for sustainable urbanization"



**Prof. Perry L. McCarty**

- Silas H. Palmer Professor Emeritus  
Stanford University
- Member of US National Academy of Engineering

**Title of presentation:** "Alternative Approaches for Water, Energy, and Nutrient Recovery from Domestic Wastewater"



**Dr Baoxing Qiu**

- Vice-chairman, Committee of Population, Resources and Environment, CPPCC National Committee
- President, Chinese Society for Urban Studies

**Title of presentation:** "Three Models of Low Carbon Eco-Cities"



**Prof. K V Raghavan**

- INAE Distinguished Professor  
Indian Institute of Chemical Technology
- Vice-President of Indian Academy of Engineering

**Title of presentation:** "Transition to Low Carbon Regime: Engineering Challenges in Urban Building and Transport Sectors"



**Prof. Jerald L. Schnoor**

- Co-Director, Center for Global & Regional Environmental Research  
The University of Iowa
- Member of US National Academy of Engineering

**Title of presentation:** "Urban Water Sustainability and Climate Change"

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## International Advisory Committee

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Prof. Shuoxian Wu, South China University of Technology, China

## Call for Submissions

### ***Deadline for submission of abstracts ONLY***

Submission of abstracts (no more than two A4 pages) should be submitted to <http://www.polyu.edu.hk/risud/ICSU2015/submissions.html> by **15 October 2014**.

## Symposia

### ***Symposium 1***

International Symposium on Emerging Materials and Technologies for Sustainable Infrastructure

Chairman: Prof. Jin-Guang Teng ([cejgteng@polyu.edu.hk](mailto:cejgteng@polyu.edu.hk))

### ***Symposium 2***

International Symposium on Sustainable Urban Renewal in High-Density Cities

Chairman: Prof. Geoffrey Q.P. Shen ([bsqpshen@polyu.edu.hk](mailto:bsqpshen@polyu.edu.hk))

### ***Symposium 3***

International Symposium on Sustainable Water in Cities

Chairman: Prof. Xiang-dong Li ([cexdli@polyu.edu.hk](mailto:cexdli@polyu.edu.hk))

### ***Symposium 4***

International Symposium on Urban Data and Urban Computing

Chairman: Prof. Xiao-li Ding ([lsxlding@polyu.edu.hk](mailto:lsxlding@polyu.edu.hk))

### ***Symposium 5***

International Symposium on Energy Saving and Renewable Energy Technologies for Buildings

Chairman: Prof. Hong-xing Yang ([behxyang@polyu.edu.hk](mailto:behxyang@polyu.edu.hk))

## Important Dates of ICSU 2015

### ***Deadline for submission of abstracts ONLY***

Submission of abstracts	15 October 2014
Notification of review outcome	1 November 2014 onwards

### ***Conference events***

Technical Programme	7-9 January 2015
Opening ceremony	7 January 2015
Conference banquet	8 January 2015