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## FIRST ANNOUNCEMENT & CALL for PAPERS

# First International Conference on Sustainable Urbanization 15-17 December 2010 Harbour Plaza Hotel, Hung Hom, Kowloon, Hong Kong



## Organised by

Faculty of Construction and Land Use  
The Hong Kong Polytechnic University

## Sponsored by

American Society of Civil Engineers Hong Kong Section (ASCE Hong Kong Section)  
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The Chartered Institution of Building Services Engineers (CIBSE)  
The Hong Kong Institution of Engineers (HKIE)  
The Hong Kong Institute of Surveyors (HKIS)  
Urban Planning Society of China (UPSC)

## Conference Aim

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 energy and water supplies. The Faculty of Construction and Land Use (FCLU) of The Hong Kong Polytechnic University (PolyU) will hold the First International Conference on Sustainable Urbanization (ICSU) on 15-17 December 2010 in Hong Kong. This conference series is launched to provide an international 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

Papers relating to all aspects of sustainable development, operation and management of urban areas are invited and papers directly addressing issues created by urbanization are particularly welcome. The following topics grouped under three sub-themes are not exhaustive and papers which fall within the general theme of sustainable urbanization will be considered for presentation and for publication in the conference proceedings.

### Infrastructure

- Urban planning for sustainability
- Urban informatics for sustainability
- Management of urban systems
- Life-cycle engineering of urban infrastructure
- Land economics for urban development
- Sustainable urban buildings
- Sustainable urban housing provision
- Sustainable urban transportation
- Urban safety and security
- Transition from rural to urban living
- Healthy and quality urban living
- New concepts for urban sustainability

### Environment

- Effect of urbanization on environment
- Monitoring of environmental changes
- Urban pollution control
- Urban noise control
- Healthy indoor environment
- Urban wastes treatment and recycling
- Conservation and reuse

### Energy

- Efficient use of energy in the built environment
- Energy efficient design of urban infrastructure
- Energy efficient transportation
- District energy systems
- Renewable energy technologies
- Alternative energy technologies



## Conference Programme

The three-day conference programme will include keynote lectures, invited lectures, mini-symposia and parallel sessions. English will be the official language of the conference for both oral and written presentation.

### Titles of Mini-symposia

#### **Air Quality in the Pearl River Delta**

Chairman: Prof. Tao WANG

Email: cetwang@inet.polyu.edu.hk

#### **Building Information Modelling and Changing Construction Practices**

Chairman: Prof. Heng LI

Email: bshengli@inet.polyu.edu.hk

#### **Industrialization of Housing**

Chairman: Prof. Francis K.W. WONG

Email: bskwwong@inet.polyu.edu.hk

#### **Low Carbon Cities**

Chairman: Prof. Edwin CHAN

Email: bsedchan@inet.polyu.edu.hk

#### **Modelling for Sustainable Urban Transportation**

Chairman: Prof. William H.K. LAM

Email: cehklam@inet.polyu.edu.hk

#### **Remote Sensing of Urban Environment**

Chairman: Prof. Janet NICHOL

Email: lsjanet@inet.polyu.edu.hk

#### **Renewable Energy Applications**

Chairman: Prof. Hong-xing YANG

Email: behxyang@inet.polyu.edu.hk

#### **Waste Management and Recycling**

Chairman: Prof. Chi-sun POON

Email: cecspoon@inet.polyu.edu.hk

## Call for Papers

Abstracts of papers of 150-300 words should be emailed to clicsu@inet.polyu.edu.hk by **31 December 2009**. A CD-rom containing manuscripts of all accepted papers plus a print volume containing full papers of keynote and invited lectures as well as abstracts of all other papers will be published.

## Important Dates

**31 December 2009**

1 February 2010

1 May 2010

1 July 2010

1 August 2010

**Submission of Abstracts**

Notification of Abstract Acceptance

Submission of Papers

Notification of Paper Review Outcome

Submission of Finalized Papers

## Registration

On or before 1 September 2010: US\$500

After 1 September 2010: US\$550

The fee will cover the proceedings, welcome reception, conference lunches and banquet.

## Conference Website

More information can be obtained from [www.polyu.edu.hk/~fclu/ICSU2010](http://www.polyu.edu.hk/~fclu/ICSU2010).