

Second Announcement and Call for Submissions

International Symposium on Emerging Materials and Technologies for Sustainable Infrastructure

As Symposium 1 of the
Second International Conference on Sustainable Urbanization (ICSU 2015)
7-9 January 2015, Hong Kong, China

Organized by
Research Institute for Sustainable Urban Development (RISUD) &
Faculty of Construction and Environment (FCE), The Hong Kong Polytechnic University
Website: <http://www.polyu.edu.hk/risud/ICSU2015/>

Aim and Scope of the Symposium

This symposium is aimed at providing an international platform for exchanges and discussions on emerging materials, sensing and other technologies that have the potential to enhance the sustainability of urban infrastructure such as bridges, tunnels, roads and buildings. The scope of the symposium includes but is not limited to the following topics:

- Emerging construction materials (e.g. FRP, ECC, and UHPC) with life-cycle benefits
- Recycling and reuse of materials and components
- New structural systems based on emerging materials
- Numerical simulation of lifecycle performance
- Durable, self-powered and wireless sensors
- Health monitoring for sustainable infrastructure
- Self-sensing and self-healing technologies
- Performance of materials, structures and sensors in severe environments
- Lifecycle performance assessment and management



Organizing Committee

Chairman: Professor J.G. Teng, Director of Research Institute for Sustainable Urban Development,
The Hong Kong Polytechnic University

Members: Dr T.M. Chan, Dr J.G. Dai, Dr Z. Leng, Prof. Y.Q. Ni, Dr Y.H. Wang, Dr Y. Xia, Prof. J.H. Yin, Dr S.Y. Zhu

Keynote Speakers

Prof. Lawrence C. Bank, Program Director (MEP), US National Science Foundation, USA

Prof. Mark A. Bradford, The University of New South Wales, Australia

Prof. Dan M. Frangopol, Lehigh University, USA

Prof. Nabil Grace, Lawrence Technological University, USA

Prof. Zongjin Li, The Hong Kong University of Science and Technology, Hong Kong, China

Prof. Jerome P. Lynch, University of Michigan, USA

Prof. Robert Melchers, The University of Newcastle, Australia

Journal Special Issue

Selected presenters will be invited to submit papers to a special issue to be published in the international journal "Advances in Structural Engineering".

Call for Submissions

The Symposium requires the submission of abstracts only. Submission of full papers is not required.

Interested authors are invited to submit abstracts of no longer than 2 A-4 pages by **15 October 2014** via the online system at <http://www.polyu.edu.hk/risud/ICSU2015/submissions.html>. It is important to correctly indicate the Symposium to which your abstract is submitted.

Important Dates of ICSU 2015

Submission of abstracts: 15 October 2014 (extended deadline)

Notification of review outcome: 1 November 2014

Conference: 7-9 January 2015

Other Details

For other details such as registration fees and hotels, please refer to the website of the ICSU 2015 conference:
<http://www.polyu.edu.hk/risud/ICSU2015/>

