



International Forum on Turning Waste into Sustainable Construction Resources

20th April 2016

Chiang Chen Studio Theatre,
The Hong Kong Polytechnic University

Organisers:



**Hong Kong Waste
Management Association**



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學
DEPARTMENT OF
CIVIL AND ENVIRONMENTAL ENGINEERING
土木及環境工程學系

**The Hong Kong
Polytechnic University**



**Shenzhen
University**

Coorganisers:



**China Green Building
Council - Resource
Utilization of Construction &
Demolition Waste Division**



**Hong Kong Green
Building Council**



Background

In most big cities, including Hong Kong and Shenzhen, huge quantities of construction and demolition (C&D) wastes and waste glass are produced every day representing a large fraction of the total solid waste stream. Also, increasing quantities of combustion residues including incineration, coal and steel ashes are generated. The disposal of these wastes has become a severe social and environmental problem in many parts of the world. The traditional means of disposing these wastes on land or in landfills are not sustainable as government sources indicate that there are acute shortages of both public filling area (reclamation sites) and landfilling space. The possibility of recycling these wastes is thus of prime importance.

This International Forum will bring together experts from Europe, UK, US, China, Taiwan and Hong Kong to share their experiences in turning wastes to sustainable construction resources and how the possible environmental concerns of recycling these wastes can be addressed.

Speakers and Topics

Prof. Dr. Ir. H.J.H (Jos) Brouwers, Eindhoven University of Technology, The Netherlands

The use of industrial by products and C&D waste in building materials

Prof. Chris Cheeseman, Imperial College London, UK

Developing combustion residue processing in a circular economy

Prof. Martin Cyr, Université de Toulouse, Laboratoire Matériaux et Durabilité des Constructions (LMDC), France

Recycled glass in civil engineering applications: a high added value material

Prof. Chao-Lung Hwang, Department of Civil and Construction Engineering, National Taiwan University of Science and Technology, Taiwan

The Taiwan experience in the application of waste material in construction activities

Prof. David S. Kosson, Vanderbilt University, USA

Evaluating use of secondary materials in construction as a demonstration of the Leaching Environmental Assessment Framework (LEAF) in the United States

Prof. Chi Sun Poon, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hong Kong

Turning waste to construction materials, Hong Kong Experience

Dr Hans A. van der Sloot, Hans van der Sloot Consultancy, The Netherlands

European standardization on environmental aspects of construction products and tools for validation and prediction of release in service life and subsequent recycling/reuse cycles.

Prof. Pei-yu Yan, Department of Civil Engineering, Tsinghua University, China

Recycling of steel slag for construction materials

Prof. Benny Chow, Hong Kong Green Building Council, Hong Kong

HKGBC Green Product Accreditation and Standards (HK G-PASS)

Supporting Organizations



The Hong Kong Institution of Engineers (HKIE)



Chartered Institution of Water and Environmental Management



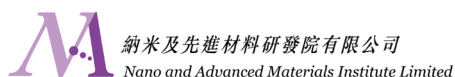
Hong Kong Green Strategy Alliance (HKGSA)



Hong Kong Environmental Industry Association



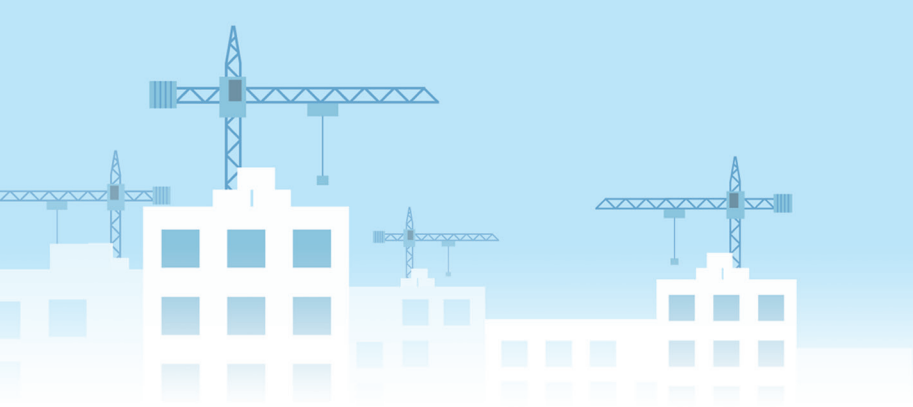
Hong Kong Concrete Institute (HKCI)



Nano & Advanced Materials Institute (NAMI)



Shenzhen Society of Civil Engineering & Architecture



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| <input type="checkbox"/> Early bird (Member): 600 HKD | <input type="checkbox"/> Early bird (Non-Member): 700 HKD |
| <input type="checkbox"/> Regular (Member): 800 HKD | <input type="checkbox"/> Regular (Non-Member): 900 HKD |
| <input type="checkbox"/> Full-time students (with limited capacity of 50 seats): 300 HKD | |

Early bird deadline: **15 March 2016**

Payment Method:

By Cheque only

- ☐ Cheque enclosed (cheque no.) _____

Please make the cheque payable to **Hong Kong Waste Management Association**

Please mail this registration form and enclose the payment cheque to the following:

Dr. Dan Tsang

Department of Civil and Environmental Engineering,

Hong Kong Polytechnic University,

Hung Hom, Kowloon, Hong Kong

Enquiries:

For enquiries, please contact Ms. Iris Yu at 5218 3042 or by Email: waste.into.resources2016@gmail.com