







## About the Conference

Currently many Governments are facing hectic pressure due to increasing waste generation and diverse nature of wastes. However, solutions for their treatment and disposal are not simple owing to the increasing diversity of the waste that necessitates appropriate technologies. Ironically, many solutions, including social and technological, do not have universal applicability; and region specific modifications are required. Such modifications in the technology and practices need efficient knowledge transfer and be discussed in a forum with the characteristics of different regions to develop model practices and subsequent appraisal of the success stories to be adapted elsewhere that can save lots of resources across boundaries. With this preamble and the success of the past two conferences **in 2011 and 2013**, the “**International Conference on Solid Waste 2015: Knowledge Transfer for Sustainable Resource Management**” will provide a perfect platform for the stakeholders from academia, industries, governments, NGOs and the public to deliberate on various issues related to sustainable waste management practices. It will definitely enhance our understanding leading to effective and sustainable management of wastes.

## Venue

Hong Kong Exhibition and Convention Centre, Wan Chai

## Themes

The conference covers the following themes:

1. Sustainable solid waste management practices - Countries perspectives
2. Waste collection, segregation and characterization
3. Innovative strategies for waste separation, recycling and recovery
4. Sustainable waste utilization & recycling methods
5. Bioenergy and bioproducts from waste (anaerobic digestion, biofuels, etc)
6. Biomass production from waste & carbon sequestration (composting, biochar, etc)
7. Thermal technologies for waste treatment – Trend & development
8. Landfill management & leachate treatment
9. Hazardous, industrial and special waste management
10. Electronic waste management, treatment and pollution abatement
11. Life cycle assessment of waste management practices
12. Waste management industry - Market potential
13. Economic instruments and financing methods for waste management
14. Environmental education for waste management industry and community
15. Environmental quality and climate change

## Who Should Participate

Participants coming from local and overseas institutes, professionals in waste management business and climate change, particularly members of Hong Kong Waste Management Association and Hong Kong Institute of Engineer, researchers, consultants, NGOs, government officials and students. Interested parties and the general public will also be invited to the public lecture.

## Local Organizing Committee

### Chairman

Prof. Jonathan Wong MH, JP, Hong Kong Baptist University

### Secretariat

Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE), HKBU

### Members

Mr. K.K. Chan, SITA Waste Services Ltd.  
Mr. Jude Chow, Associated Engineers Ltd.  
Prof. L.M. Chu, Chinese University of Hong Kong  
Mr. Davie Kan, Environmental Protection Department  
Mr. C.F. Lam, Hong Kong Institution of Engineers  
Mr. Alex Law, Jardine Engineering Corporation  
Mr. Barry Lee, ATAL Engineering Ltd.  
Dr. Michael Leung, City University of Hong Kong  
Prof. Irene Lo, Hong Kong University of Science and Technology  
Mr. Albert Oung, World Green Organization  
Prof. C.S. Poon, Hong Kong Polytechnic University  
Mr. Kenny Wong, Hong Kong Waste Management Association

## Pre-conference Workshops

Two pre-conference workshops will be organized on (1) **Food Waste Management (Prevention and Treatment Technology)** and (2) **Advanced Thermal Technology**. Since these two areas are of current interest in Hong Kong, the workshop will be organized in such a way to provide more first-hand information to local participants.

## Technical Tours

Half-day and one-day field trips will be organized on the fourth day of conference so as to introduce the local waste treatment and management facilities to local and overseas participants. Proposed field trips options include sludge treatment facility, EcoPark, WENT landfill, Shatin refuse transfer stations and Ngau Chi Wan park (a restored landfill).



## International Scientific Committee

Prof. P. Agamuthu, Univesity of Malaya (Malaysia)  
Mr. J. Cacho, VEOLIA Environment-Research and Innovation (France)  
Dr. H. Chanakya, Centre for Sustainable Technologies, Indian Institute of Science (India)  
Dr. K. Y. Cheng, CSIRO Land and Water (Australia)  
Prof. William Clarke, School of Civil Engineering, The University of Queensland (Australia)  
Dr. L.F. Diaz, CalRecovery Inc, CA (USA)  
Prof. K. Fricke, Technical University of Braunschweig (Germany)  
Prof. S. K. Ghosh, Jadavpur University (India)  
Dr. J. Hao, Ryerson University (Canada)  
Prof. P.J. He, Tongji University (P.R. China)  
Prof. G. Ho, Murdoch University (Australia)  
Dr. H. Koller, International Solid Waste Association (Italy)  
Prof. Y. Ku, National Taiwan University of Science and Technology (Taiwan)  
Dr. K. M. Lai, Hong Kong Baptist University, Hong Kong SAR (P.R. China)  
Dr. K. Lasaridi, Harokopio University (Greece)  
Prof. A. Lau, University of British Columbia (Canada)  
Prof. D.J. Lee, National Taiwan University (Taiwan)  
Prof. P. Lens, UNESCO-IHE Institute for Water Education (Netherlands)  
Prof. J. Li, Tsinghua University (P.R. China)  
Prof. R. Li, Shenyang Aerospace University (P.R. China)  
Prof. C. Lin, National Kaohsiung Marine University (Taiwan)  
Prof. H. K. Ma, National Taiwan University (Taiwan)  
Prof. R. Mohee, University of Mauritius (Mauritius)  
Prof. M. Nelles, University of Rostock (Germany)  
Prof. Y. S. Ok, Kangwon National University (Republic of Korea)  
Prof. A. Pandey, National Institute for Interdisciplinary Science and Technology (India)  
Dr. P. Pullammanappallil, University of Florida (USA)  
Prof. Rhee Seung-Whee, Kyonggi University (Republic of Korea)  
Dr. R. Stegmann, International Waste Working Group (Italy)  
Prof. S. Sun, Southwest University of Science and Technology (P.R. China)  
Dr. K. Sunil, National Environmental Engineering Research Institute [NEERI] (India)  
Mr. S. Suzuki, Japan Waste Management Consultant Association (Japan)  
Prof. R. Y. Surampalli USEPA (USA)  
Mr. Tao Hua, China Association of Urban Environmental Sanitation (P.R. China)  
Prof. R. D. Tyagi, INRS-ETE University (Canada)  
Prof. C. Visvanathan, Asian Institute of Technology (Thailand)  
Prof. J. Y. Wang, Nanyang Technological University (Singapore)  
Prof. Q. T. Wu, South China Agricultural University (P.R. China)  
Prof. H. Y. Xu, China Association of Environmental Protection Industries (P.R. China)  
Prof. J. H. Yan, Zhejiang University (P.R. China)  
Prof. S. C. Yeh, Environmental Protection Administration (Taiwan)  
Prof. L. X. Zhou, Nanjing Agricultural University (P.R. China)

## Publications

Interested parties are encouraged to submit abstracts for oral and poster presentations. All accepted abstracts and papers will be published in the conference proceedings. Selected papers from the conference will be published in a special issue of SCI-listed journals.

## Keynote Speakers (Tentative)

### Prof. Umberto Arena

Professor, Chemical Engineering, Second University of Naples, Italy  
Tentative topic: Advancements in thermal technologies

### Prof. Thomas H. Christensen

Director, 3R • Residual Resources Research/DTU Environment;  
Professor, Technical University of Denmark  
Tentative topic: Solid waste management and climate change

### Dr. Luiz Diaz

President, CalRecovery Inc, CA, USA  
Tentative topic: Technology and management for waste recycling industry

### Prof. Klaus Fricke

Professor, Technical University of Braunschweig, Germany  
Tentative topic: Anaerobic digestion - technical and economical assessments

### Prof. Michael Nelles

Director, Deutsches BiomasseForschungsZentrum (DBFZ)  
Head, Department of Waste Management and Material Flow,  
University of Rostock, Germany  
Tentative topic: Management of solid and biomass wastes

### Prof. Ashok Pandey

Professor, CSIR - National Institute for Interdisciplinary Science and Technology, India  
Tentative topic: Biofuel production from solid waste

### Prof. Rao Y. Surampalli

Associate Chair, Department of Civil Engineering, University of Nebraska – Lincoln & U.S. Environmental Protection Agency  
Professor, University of Nebraska, USA  
Tentative topic: Emerging contaminants

### Prof. Nickolas J. Themelis

Director, Earth Engineering Center, Columbia University, USA;  
Professor Emeritus, Earth and Environmental Engineering;  
Chair, Global Waste-to-Energy Research and Technology Council  
Columbia University, New York  
Tentative topic: Waste to energy - world trend and demands

### Prof. Rajeshwar D. Tyagi

Professor, Institut National de la Recherche Scientifique (Centre Eau, Terre et Environnement), Canada  
Tentative topic: Biosolid utilization as a source of value added products

### Prof. Jonathan W.C. Wong MH, JP

Director, Applied Research Centre for Pearl River Delta Environment  
Professor, Department of Biology  
Hong Kong Baptist University  
Tentative topic: Organic waste management and treatment

### Prof. Shin-Cheng Yeh

Deputy Minister, Environmental Protection Administration, Taiwan  
Tentative topic: Solid waste management strategy of Taiwan