Selected Proceedings of the Ninth International Conference on Waste Management and Technology

Preface

The International Conference on Waste Management and Technology (ICWMT) has been held annually since 2005, which promotes the knowledge and experience exchanges among the international stakeholders, and enhances the technology cooperation among the countries. It was jointly organized by Tsinghua University, Basel Convention Regional Centre for Asia and the Pacific (BCRC China), Center of Solid Waste and Chemical Management Technology, Ministry of Environmental Protection of China, and Solid Waste Branch of Chinese Society for Environmental Sciences.

The Ninth International Conference on Waste Management and Technology (ICWMT 9) was held on October 29-31, 2014 in Beijing, China. More than 500 delegates from research institutes, enterprises and governments of over 32 countries participated in the conference. The theme of ICWMT9 is "Towards Closed loop of Waste Management". Renowned experts and scholars gave excellent speeches about the development trends on waste management and technology. The main topics of the conference include environmental materials engineering, environmental protection and engineering, recycling, waste management, disposal of hazardous and industrial waste, technologies on utilization of sewage sludge, WEEE treatment.

Many outstanding papers from research institutes and universities and plenary speeches were received by the ICWMT 9, which represent the latest research trend and innovative ideas of current solid waste treatment field, and lead the development in this field for the future.

Finally, I would like to thank all the reviewers and authors who devoted a substantial amount of work.

Prof. Jinhui Li

Chairman of Conference

Jinhui 25

19-10-2014

Editorial Board

Editor in Chief

Jiming Hao Tieyong Zuo

Executive Editor in Chief

Jinhui Li Hualong Hu

Director of Editorial Board

Paul H. Brunner

Vice Director of Editorial Board

Shinichi Sakai

Members of Editorial Board

Agamuthu Pariatamby FASc Ajoy Raychaudhuri Albert Leendert Nicolas Stevels

Atsushi Terazono Baoshu Dong Chein-Chi Chang Daryl McCartney Edward T. Chen Fangming Jin Fumikazu Yoshida Fushen Zhang **Guangming Li** Hao Quan Hongbin Cao Hongtao Wang **Hualong Hu** Hui Tian Huiquan Li Jiajun Chen Jianhua Yan Jinhui Li

Liyuan Chai Lieqiang Chen Martin Streicher-Porte
Masao Tateba Michael T. Rock Ming Hung Wong
Mingxin Chen Mohamed Eisa Pierre Portas
Pinjing He Qi Wang Qiang Liu

Qingzhong Bai Qunhui Wang Randolph E. Kirchain Sadhan K. Ghosh Seung-Whee Rhee **Shannon Davis** Shaohai Long Shengen Zhang Stefan Salhofer Suehuai Gau Takayuki Shim aoka Takeru Tsuchiya Tien-Chin Chang Timothy G. Townsend Wei Wang Xiaochun Peng Xiujin Li Yadong Li Youcai Zhao Yangsheng Liu Yuji Koresawa

Zhenming Xu

Zhanfeng Ma

Zhishi Wang

Zengqiang Zhang

Managing Editor

Yuan Chen Nana Zhao