

ICCPE 2016 Committee Members

Conference General Chair

Prof. Young Sun Mok, Department of Chemical and Biological Engineering, Jeju National University, Jeju, Korea

Technical Program Co-Chairs

Prof. Basim Abu-Jdayil, Chemical & Petroleum Engineering Department, UAE University, Abu-Dhabi, UAE

Prof. Kei Eguchi, Fukuoka Institute of Technology, Japan

International Technical Committees

Prof. Kei Eguchi, Fukuoka Institute of Technology, Japan

Prof. Basim Abu-Jdayil, UAE University, Abu-Dhabi, UAE

Prof. Arzu Akpinar-Bayizit, Uludag University, Bursa, Turkey

Prof. Jabbar Hammood Abdulnabi Al-Baidhani, Babylon University, Iraq

Prof. Kadhim F. Alsultani, College of Materials Engineering, Babylon University, Iraq

Prof. Sulaiman Al-Zuhair, UAE University, UAE

Prof. D V R Murthy, National Institute of Technology Karnataka, India

Prof. Yaxin Su, Donghua University, China

Prof. Sang Jin Park, Dongguk University, South Korea

Assoc. Prof. Sheng-Tao Yang, Southwest University for Nationalities, China

Assoc. Prof. Yu-Shao Chen, Chung Yuan University, Taiwan

Assoc. Prof. Mum Wai Yip, Tunku Abdul Rahman University College, Malaysia

Assoc. Prof. Robert Manurung, Institut Teknologi Bandung, Indonesia

Assoc. Prof. Marwa Elkady, Egypt-Japan University of Science and Technology (E-JUST), Egypt

Dr. Khor Ee Huey, Curtin University Sarawak, Malaysia

Dr. Sukanta Kumar Dash, Pandit Deendayal Petroleum University, Gandhinagar, India

Dr. Berceste Beyribey Price, Yildiz Technical University, Istanbul, Turkey

Dr. Siu Hua Chang, Universiti Teknologi MARA (UiTM) Malaysia

Dr. Mustafa Ahmed Rijab, Technical Institute of Baquba, Mechanical Department, Iraq

Dr. Nur Hidayati Othman, Universiti Teknologi Mara (UiTM), Malaysia

Preface

On behalf of the ICCPE organizing committees, we welcome you to the 2016 5th International Conference on Chemical and Process Engineering in Jeju Island, Republic of Korea during May 23-25, 2016. ICCPE 2016 is a conference dedicated to issues related to chemical engineering fundamentals, chemical engineering educational challenges and development, chemical reaction engineering, chemical engineering equipment design and process design, thermodynamics, interfacial & colloidal phenomena etc.

The major objectives of the conference is to bring together scientists, engineers, researchers from both the academic and industry to exchange and share their experiences and research results, and discuss the practical challenges encountered and the solutions adopted in every aspect of chemical and processing engineering. We hope you will have a delightful and rewarding experience at the conference.

The proceedings of ICCPE 2016 contain 27 selected papers from the conference which are presented orally at the conference or via poster sessions, and provide up-to-date, comprehensive and worldwide state-of-the art knowledge in this field. Each contributed paper was blind peer-reviewed by international reviewers who were drawn from the conference committee members as well as other external reviewers invited from all over the world. The proceedings are divided into 8 chapters based on the different topics of the papers, namely, biochemistry, bioenergy & chemistry, physical chemistry, material chemistry, membrane chemistry, analytical chemistry, analytical chemistry, manufacturing technology.

We would like to thank the members of the program committees and reviewers. They have worked very hard in reviewing papers and making valuable suggestions for the authors to improve their work. We also would like to express our gratitude to the external reviewers, for providing extra help in the review process, and the authors for contributing their research results to the conference.

Prof. Byoung Ryong Jeong
College of Agriculture & Life Science, Gyeongsang National University, Korea
ICCPE Organizing Committees
May 20, 2016.