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 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, 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.