

# Preface

Ecomaterials, or “Green materials” are those designed to minimize environmental impact and to harmonize with human and environment, by maintaining or maximizing materials performance with reducing environmental burden. Ecomaterials research is an interdisciplinary field that scientists and engineers with background among chemistry, physics, and materials such as metals, ceramics, polymers, and carbon are involved in understanding the environmental consciousness in industries and motivating ecological researches. International Symposium on Eco-materials Processing and Design series aim to promote the development of this field, and were successfully held in South Korea, Japan and Nepal etc. in the past 16 years. Following the tradition of this symposium series, ISEPD2016 was held in January 8-11, 2016 at the Hainan University in Haikou, China. This conference provided an ideal platform and excellent opportunities for researchers and experts in eco-materials from around the world to exchange research ideas and practical experiences.

The topics of the ISEPD2016 included New energy materials and evaluations, Biomaterials Nanomaterials and devices, Ecological materials, Porous materials, Marine materials and New processes and technology of material fabrication. More than 100 pre-registered authors submitted their works in the ISEPD2016. This volume contains papers presented on the ISEPD2016

Organizing an international conference involves great energy to finish complex and substantial detail therefore we would like to express my gratitude to all members of ISEPD2016 organizing committee for their sincere cooperation to hold this event. ISEPD2016 would not be possible without our keynote speakers, invited speakers, presenters, all participants who attended the ISEPD2016 conference and Hainan University. We would like to thank for all support and authors who submitted their manuscripts on time.

We would like to thank the generous financial support so far through the Core University program between the Korea Science and Engineering Foundation and the Japanese Society of the Promotion Science (JSPS) for this series international conferences from 2000 to 2007. From 2009 to 2013, the A3 foresight Program among the National Research Foundation in Korea, the JSPS in Japan, and the National Natural Science Foundation of China. After these two important programs, the Global Research Laboratory Program in Korea between the Sun Moon University in Korea and the Osaka University in Japan has helped the some part of financial support such as speakers’ flight tickets since 2010.

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