

# PREFACE

2018 4th International Conference on Chemical Materials and Process (ICCMP 2018) was successfully held in Chulalongkorn University, Bangkok, Thailand during May 23-25, 2018. The objective of the Bangkok conference is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Chemical Materials and Process.

ICCMP 2018 provided a chance for researchers, engineers and academicians to further develop Chemical Materials and Process. Attendees benefits a lot from expert practitioners and researchers from all over the world of the latest tendency in theoretical and practical domain of Chemical Materials and Process field. Distinguished professors also did their keynote speeches relating to the latest developments and trends in their respective fields. The keynote speakers included Prof. Sarawut Rimdusit from Chulalongkorn University, Bangkok, Thailand; Prof. Jian Chen from Tsinghua University, Beijing, China; Prof. Frank Yang from East Carolina University, Greenville, North Carolina, USA.

This set of conference proceedings presents a selection of papers submitted to the conference from a variety of universities, research institutes and industries. All papers were subjected to peer-review by conference committee members and a panel of international reviewers. The papers were selected to publish depend on the quality and relevance to the conference. This volume presents recent advances in the field of Multi-scale and/or Multi-disciplinary Approaches, Macromolecular Science and Engineering, Advanced materials processing, Process system, instrumentation and control, Chemical, Environmental, and Process Engineering, New materials & structured products, Chemistry and Chemical Engineering Fundamentals and etc.

We sincerely appreciate all the authors who have contributed to this volume and also to the organizing committee, reviewers, speakers, co-chair persons, sponsors and all the conference participants for their strong support to ICCMP 2018 to make this conference with a great succes. We look forward to meeting you in ICCMP 2019!

General Co-chair

Prof. Sarawut Rimdusit  
Chulalongkorn University, Bangkok, Thailand  
June 21, 2018