

## Preface

It is our pleasure to welcome you to 2012 2<sup>nd</sup> International Symposium on Chemical Engineering and Material Properties (ISCEMP 2012) in Taiyuan, China. ISCEMP 2012 is the second conference dedicated to issues related to chemical engineering and material properties. A major goal and feature of ISCEMP 2012 is to bring academic scientists, engineers, industry researchers together to exchange and share their experiences and research results about most aspects of chemical engineering and material properties, and discuss the practical challenges encountered and the solutions adopted.

We hope you will have a technically rewarding experience, and use this occasion to meet old friends and make many new ones. Don't miss the opportunity to explore in Taiyuan, China. And don't forget to take a sample of the many and diverse attractions in the rest of the China.

The conference promises to be both stimulating and informative with a wonderful array of keynote and invited speakers from all over the world. Delegates will have a wide range of sessions to choose from and will have a difficult decision in deciding which sessions to attend.

The program consists of invited sessions, and technical workshops and discussions with eminent speakers covering a wide range of topics in chemical engineering and material properties. This rich program provides all attendees with the opportunities to meet and interact with one another. We hope your experience with ISCEMP 2012 is a fruitful and long lasting one. With your support and participation, ISCEMP will continue its success for a long time.

We would like to thank the organization staff, 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 helps in the review process, and the authors for contributing their research result to the conference. Special thanks go to TTP Publisher.

We wish all attendees of ISCEMP 2012 an enjoyable scientific gathering in Taiyuan, China. We look forward to seeing all of you next year at the ISCEMP 2013.

C.F. Liu,  
Program Committee Chair

# **ISCEMP 2012 Organizing Committee**

## **General Chairs**

Prof. Adrian Olaru, University Politehnica of Bucharest, Bucharest, Romania

Prof. Farhat Anwar, International Islamic University Malaysi, Malaysia

## **Program Committee Chairs**

Prof. Dr. Abdullah Md. Zin, Universiti Kebangsaan Malaysia, Malaysia

Prof. Christos Grecos, University of West of Scotland, UK

## **Steering Committee Chairs**

Prof. Sekhar Ranjan Bhadra Chaudhuri, Bengal Engineering & Science University, India

Dr. Yucong Duan, University of Bourgogne, France

## **International Committees**

Prof.N.Jaisankar, School of Computing Sciences, VIT University, India

Razvan Raducanu, "Al. I. Cuza" University, Romania

Dr.Guangyong Sun,Hunan University,China

Jivesh Govil, Cisco Systems Inc., CA USA

Prof. Raja Suzana Raja Kasim, Universiti Teknologi MARA, Malaysia

Dr. Mo adda, University of Portsmouth, UK

Dr Deepak Laxmi Narasimha, University of Malaya, Malaysia

Dr. Deng Liao, Conco rdia University, Canada

Prof. Peddoju Sateesh Kumar, Balaji Institute of Technology & Science, India

Dr. K.S. Cheung, University of Hong Kong, Hong Kong

Prof. Rajendra Prasad Mahapatra, SRM University, India

Prof. Chih-Kai Chang, National University of Tainan, Taiwan

Prof. Chetto Maryline, University of Nantes, France

Prof. Aamir Saeed Malik, Yeungnam University, Korea