

## Preface

This volume is a collection of papers presented at the 2013 international conference on Machinery, Materials Science and Energy Engineering will be held in Jingzhou, Hubei Province, China , during May 18-19,2013

The conference is organized by Yangtze University, co-sponsored by University of Calgary, Canada, China University of Petroleum, Beijing, Northeast Petroleum University, Southwest Petroleum University and Hubei Mechanical Engineering Society. The conference is sponsored by SJ Petroleum Machinery Co.

President of the conference is held by Prof. Ding Feng, Yangtze University, China. Prof. Roger Qiu , The University of Massachusetts, America served as Chairman of the program Committee

With the rapid development of Machinery, material science and energy engineering technology in China, new theory and application results constantly appear in the fields of machinery, material science and energy engineering. Higher and newer requirements on it are asked by more and more enterprise people and members of the engineering profession.

To further promote exchange and cooperation among states in the areas, to upgrade academic status and international influence on study of machinery, material science and energy engineering of China, to play a positive role on shortening international first-rate subject gap, this conference is held.

Eminent scholars at home and abroad will be invited to the conference and frontier as well as hot issues in the field of machinery, materials science and energy engineering will be exchanged and discussed deeply. Professor Paul Tu from Canada University of Calgary, Professor Deguo Wang from China Petroleum University in Beijing, Professor Zunce Wang from Northeast Petroleum University, Professor Xiaodong Zhang from Southwest Petroleum University and professor Ding Feng from Yangtze University are invited for speakers of the conference.

Online information concerning the conference is available under the following Uniform Resource Locator (URL):

**<http://www.icmmsee.org>**

Conference Chair of ICMSEE2013

May 18-19,2013

# Organization

## **ICMMSEE 2013 is organized by**

Yangtze University

## **Co-Sponsored by**

University of Calgary, Canada

China University of Petroleum

Northeast Petroleum University

Southwest Petroleum University

Hubei Mechanical Engineering Society

SJ Petroleum Machinery Co

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