

**Mg 2017**



## ***The 6th International Conference on Magnesium***

23-26, September, 2017, Shenyang, China



**Shenyang, China**

### ***Hosted by***

Chinese Materials Research Society (C-MRS)

China Magnesium Association (CMA)

ISO/TC 79/SC 5 (The Technical Committee of Magnesium and Magnesium Alloys)

### ***Organized by***

Institute of Metal Research, Chinese Academy of Sciences, China

Northeast University, China

Chongqing University, China

Shanghai Jiaotong University, China

Helmholtz-Zentrum Geesthacht, Germany

The University of Queensland, Australia

Seoul National University, Korea

The Ohio State University, USA

### ***Supported by***

National Natural Science Foundation of China

Chinese Academy of Sciences

The Ministry of Science and Technology of China

### ***Co-organized by***

Shandong Academy of Science, China

Chongqing Academy of Science and Technology, China

Chongqing Materials Society, China

## **Background**

The 6th International Conference on Magnesium (ICM6) will be held from 23 through 26 September 2017 in Shenyang, China. Since the 1st International Conference on Magnesium was held in Beijing in 2003, ICM conferences were held in Beijing (2005) and in Qingdao (2008, 2011, 2014). As a continuation of the previous successful International Conferences on Magnesium, ICM6 is aimed to further promote the understanding, development and applications of magnesium and its alloys. ICM6 will be supported by the Ministry of Science and Technology of China, National Natural Science Foundation of China and Chinese Academy of Sciences.

Due to the low-density and high-specific strength, and many attractive characteristics, magnesium alloys are expected to enjoy increasing use in automotive, aerospace, computers, and communication and consumer industries. Although the global economic crisis and price turmoil in 2008 have seriously affected the development of Mg industry and related activities, many encouraging innovations and progresses in Mg smelting technologies, new alloy development, new processing techniques and innovative applications have taken places around the world in recent years. The wrought magnesium alloys, especially the magnesium alloy extrusion sheets, have been applied in a wider range, like 3C products and aerospace. The Conference is, therefore, aimed to provide a forum for exchanges and discussions of new ideas and the latest achievements related to magnesium and its alloys. A further objective of the conference is to highlight the global and regional trends crucial to future research fields and potential applications.

### ***Main topics and publications:***

Primary magnesium production technologies, phase transformations, alloy development, mechanical and physical properties, designs and applications, simulation, product manufacturing processes, welding and joining, corrosion and surface finishing, application of magnesium and its alloys, recycling and environmental issues, etc.

Selected papers will be published in SCI or ESCI journals.

***Honorary Chairs:*** Tiejong Zuo(China), Wenjiang Ding(China), David St John (Australia)

***Chairs:*** Fusheng Pan (China), K. U. Kainer (Germany), K.S. Shin (Korea), A. A. Luo (USA)

***Organizers:*** Yuansheng Yang (China), Jianzhong Cui (China)

***Chairs of Program Committee:*** Yuansheng Yang (China), Mingxing Zhang (Australia)

***Chairs of Organizing Committee:*** Jiangzhong Cui (China), Yuanding Huang (Germany)

***Important Date:*** Abstract MUST be submitted online by April 5, 2017. Online system for submission will be open in December 2016.

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