



First Announcement / Call for Papers

August 24-26, 2020
Shenyang, China

The 6th International Conference on ThermoMechanical Processing

August 24-26, 2020
Shenyang, China

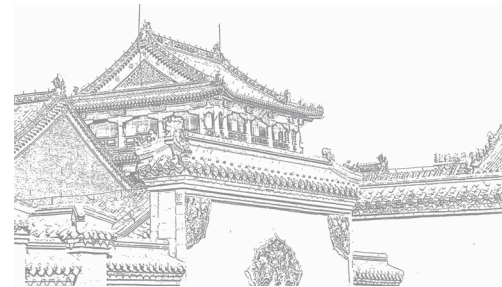
Organized by



The Chinese Society for Metals



Northeastern University



Co-organized by

The State Laboratory of Rolling and Automation (RAL)

Co-sponsored by

Associaçao Brasileira de Metalurgia e Materiais, Brazil

Associazione Italiana di Metallurgia, Italy

Association for Iron and Steel Technology, USA

Czech Metallurgical Society, Czech Republic

Steel Institute VDEh, Germany

The Austrian Society for Metallurgy and Materials, Austria

The Indian Institute of Metals, India

The Iron and Steel Institute of Japan, Japan

The Korean Institute of Metals and Materials, Korea

General Information

ThermoMechanical Processing (TMP) is an established and vital part of the production method for increasing and tailoring the mechanical properties not only for steels, but also expanding to various non-ferrous alloys. The TMP allows improving the microstructural features in order to realize the metal products fitting the requirement imposed by the modern mechanical and structural engineering.

With a scope that ranges from the latest process and product developments to associating physical metallurgy in the thermomechanical processing of steels and non-ferrous alloys, TMP 2020 Conference aims at examining the key aspects involved in TMP: phase transformations, complex microstructures evolution, applications in CSP/ESP, in-line heat treatments, measurement techniques and the technological forming operations (rolling, forging, extrusion etc.).

We invite you to join us in Shenyang and look forward to hosting a successful and inspiring conference!

Guo-Dong Wang

Prof. Guodong Wang
Conference Chairman of TMP2020
Northeastern University

History of TMP Conferences

The International Conference on ThermoMechanical Processing (TMP), held every 4 years, is organized in a way to maximize the interaction and discussion between researchers in the field. The 6th TMP Conference will be held in China for the first time, the previous conferences being held in:

- 1st TMP 2000: London, United Kingdom
- 2nd TMP 2004: Liege, Belgium
- 3rd TMP 2008: Padua, Italy
- 4th TMP 2012: Sheffield, United Kingdom
- 5th TMP 2016: Milan, Italy





First Announcement / Call for Papers

Topics

The Conference will cover topics concerning the two following issues:

PROCESS AND PRODUCT DEVELOPMENTS IN TMP

- Steels
- Non-Ferrous Alloys
- Rolling
- Forging
- In-Line Rolling
- In-Line Heat Treatment
- Extrusion
- Wire drawing
- Strip Casting and Direct Rolling
- Thin Slab Casting and Direct Rolling
- Hot Strips
- Cold Rolling and Annealing
- Finishing Operations
- Heavy Plates
- Long Products (rails, pipes, rods, beams etc.)

INVESTIGATIONS INTO THE METALLURGY OF TMP

- Plastic deformation
- Control of physical and mechanical anisotropy
- Recrystallization Control
- Texture control and engineering
- Phase Transformation Control and Precipitation Engineering
- Complex Microstructures
- Ultra-Fine Microstructures
- Mathematical simulation

Conference Chairman

Guodong Wang (Chinese Academy of Engineering / Northeastern University), China

International Scientific Committee

Chairman:

Zhaodong Wang (Northeastern University), China

Members:

G. Angella (CNR IENI), Italy

Marcello Baricco (Università di Torino), Italy

Wolfgang Bleck (RWTH Aachen University), Germany

F. Bonollo (Università degli Studi di Padova), Italy

Bruno Buchmayr (Montanuniversität Leoben), Austria

Francisca G. Caballero (National Center for Metallurgical Research (CENIM-CSIC)), Spain

Han Dong (Shanghai University), China

Peter D. Hodgson (Deakin University), Australia

Mingxin Huang (The University of Hong Kong), Hong Kong

Yonglin Kang (University of Science and Technology Beijing), China

Rudolf Kawalla (Technische Universität Bergakademie Freiberg), Germany

Hyeong-Jin Kim (Hyundai Steel), Korea

Zigang Li (China Baowu Steel Group), China

Qingyou Liu (Central Iron & Steel Research Institute), China

Zhenyu Liu (Northeastern University), China

Yongchang Liu (Tianjin University), China

Carlo Mapelli (Politecnico di Milano), Italy

Devesh Misra (University of Texas at El Paso), USA

Kenichiro Mori (Toyohashi University of Technology), Japan

Eric J. Palmiere (The University of Sheffield), United Kingdom

A. Schneider (Dillinger Hütte), Germany

Mick Steeper (IOM3), United Kingdom

Baode Sun (Shanghai Jiao Tong University), China

Huiyuan Wang (Jilin University), China

Tongmin Wang (Dalian University of Technology), China

Zhigang Wang (Gifu University), Japan

Rui Yang (Institute of Metal Research, Chinese Academy of Sciences), China

Zhigang Yang (Tsinghua University), China

Dianhua Zhang (Northeastern University), China

Jizhao Zheng (China Steel Corporation), Taiwan, China

Sybrand van der Zwaag (Delft University of Technology), The Netherlands

Organizing Committee

Chairman:

Pei Zhao (The Chinese Society for Metals), China

Secretary General

Xinjiang Wang (The Chinese Society for Metals), China

Deputy Secretary General

Qing Song (The Chinese Society for Metals), China

Wei Xu (Northeastern University), China

Abstract Submission

All contributions on the theme of the conference as described previously are welcome. The official language of the conference is English. Prospective authors are invited to submit an abstract of 300 words (in English) by **15 December 2019** through the conference website: www.tmp2020.com. The abstract should provide sufficient information for a fair assessment.

Conference Secretariat

Dr. Tao Jia, Dr. Chenchong Wang, Northeastern University
 Mr. Xin Zhao, The Chinese Society for Metals
 76 Xueyuan Nanlu, Beijing 100081, China
 Email: tmp2020@csm.org.cn
 Tel: +86-10-65211205 Fax: +86-10-65124122
 Website: www.tmp2020.com

