The 6th International Conference on ThermoMechanical Processing
August 24-26, 2020
Shenyang, China

Co-organized by
The State Laboratory of Rolling and Automation (RAL)

Co-sponsored by
Associacao 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!

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

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.