# **Special Issue**

# Production Planning and Scheduling in Steel Industry

# Message from the Guest Editors

Production planning and scheduling is an area of research with a long-standing tradition that provides a variety of concepts and methods for solving practical problems. Technical experts in the steel industry and similar industries have high expertise in this area and contribute to production planning and control in the companies; however, they are often not familiar with today's planning concepts and methods, particularly with mathematical programming and the related decision-support tools. The aim of this Special Issue is to reach this audience and to demonstrate the contributions which operations researchers and production planning experts can make in solving their problems. We observe that today's challenges, from the increasing competitiveness of the markets to the pressure resulting from the carbon dioxide discussion, motivate companies to question their processes. including production planning and control. Therefore, we invite the submission of high-quality papers that demonstrate the applicability of quantitative decisionsupport methods for production planning and scheduling in the steel industry.

#### **Guest Editors**

Prof. Dr. Hubert Missbauer

Department of Information Systems, Production and Logistics Management, University of Innsbruck, 6020 Innsbruck, Austria

Prof. Dr. Thomas Spengler

Institute of Automotive Management and Industrial Production, Technical University of Braunschweig, 38106 Braunschweig, Germany

## Deadline for manuscript submissions

closed (31 December 2023)



# **Metals**

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



mdpi.com/si/127027

Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

mdpi.com/journal/metals





# **Metals**

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



# **About the Journal**

# Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

#### Editor-in-Chief

## Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

### **Author Benefits**

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

## **Journal Rank:**

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

# **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

