# **Special Issue**

## 3D Printing of Hardmetals

## Message from the Guest Editor

Tools made from hardmetals, cemented carbides, and/or cermets are essential for the industrial fabrication of many products in life science, automotive, oil and gas, and other areas of manufacturing. With increasing changes in production and the need to machine and shape new materials, new challenges for tool materials are also arising. To address many of them, additive manufacturing or 3D printing of hardmetals and cermets will be a solution to shorten the developing time for new tools, for on-site production, and to allow new geometrical freedom to increase performance in cutting, drilling, shaping, and all the other applications where hardmetals and cermets are used. However. hardmetals and cermets are quite unique in their microstructure and composition and work done in their additive manufacturing in the past has often resulted in insufficient material properties, which are not good enough for most applications. Thus, new and advanced additive manufacturing approaches and techniques are sought after in the industry.

## **Guest Editor**

Dr. Johannes Pötschke

Fraunhofer Institute for Ceramic Technologies and Systems IKTS, Dresden, Germany

### Deadline for manuscript submissions

closed (25 March 2022)



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

mdpi.com/journal/ metals





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## **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

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