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Yafang Han
Editor

Physics and Engineering of Metallic Materials

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Preface

This is the proceedings of the selected papers presented at Chinese Materials Conference 2018 (CMC 2018) held in Xiamen City, Fujian, China, July 12–16, 2018.

The Chinese Materials Conference (CMC) is the most important serial conference of Chinese Materials Research Society (C-MRS) and is held each year since early 1990s. Chinese Materials Conference 2018 had 35 Symposia covering four fields of Energy and environmental materials, Advanced functional materials, High-performance structural materials, and Design, preparation and characterization of materials. More than 5500 participants attended the conference, and the organizers received more than 500 technical papers. By recommendation of symposium organizers and after peer-reviewing, 94 papers are published in the present proceedings, which are divided into two volumes of

Part 1: Physics and Engineering of Metallic Materials

Part 2: Physics and Techniques of Ceramic and Polymeric Materials

This is the volume for Part 1 including 70 papers selected from 7 symposia of Powder metallurgy, Advanced aluminum alloys, Advanced magnesium alloys, Superalloys, Metal matrix composites, Space materials science and technology, Nanoporous metal materials.

The editor would like to give the thanks to the symposium chairs and all the paper reviewers of this volume, especially to Prof. Yafang Han, Prof. Xinqing Zhao, Prof. Jiangbo Sha, Prof. Chungen Zhou, Prof. Wenlong Xiao, and Prof. Tong Liu for their English polishing of the manuscripts.

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