
Preface

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Biographical notes: Xin-Yun Wang is a Full Professor in the College of Materials Science and Engineering of the Huazhong University of Science and Technology. He has more than ten years of experience in researching and teaching materials processing theory and technology. His research interests include material proper, processing theory and forming press during stamping, precision forging and micro-forming. He has authored more than 50 scientific publications in journals and conference proceedings.

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Plastic deformation is one of the most economical materials manufacturing processes in the field of industry. During the past two decades, the requirement for lightweight and high-performance materials in the automobile and aerospace fields has spurred many new plastic forming technologies.

Controlling product performance during material forming is a typical characteristic of these new forming technologies, and currently is becoming a popular topic. The topic often includes plastic forming with lightweight or graded materials, new structure and its forming technology, new forming technology for traditional material, microstructures and performance controlling in plastic forming, etc.

This special issue of the *International Journal of Materials and Product Technology* addresses recent advances in material forming technologies ranging from micro- and macro-scale, microstructure evolution in forming, and the usage performance of formed products.

The guest editors are grateful to the editor, all the authors and reviewers who enabled us to compile this special issue dedicated to material forming and product performance.