



ASME Journal of Micro- and Nano-Manufacturing (JMNM) is in its 6th publication year. I want to take this opportunity to thank the founding Editor, Professor Jian Cao for her excellent leadership and outstanding achievements during her term. Professor Cao successfully maintained a rigorous submission review process while supporting a high standard of content, and she also took excellent leadership by representing the journal at international manufacturing conferences and

important industry meetings, together with the members of the Editorial Board. Thank you, Jian!

In the past five years of rapid growth, the JMNM has reached out to a broad research community in academia and national laboratories, as well as researchers and developers in the industry. As of 2017, we received paper submissions from research institutions from over 30 countries worldwide. I would like to take this opportunity to thank all authors for their submissions and support, and acknowledge the wisdom and efforts from the internationally respected members of the Editorial Board; current and recently retired members including: Professor S. Dimov of the University of Birmingham, Birmingham, UK, Professor U. Engel of Universität Erlangen-Nürnberg, Erlangen, Germany, Professor D. Lucca of Oklahoma State University, Stillwater, OK, Professor M. Jun of Purdue University, West Lafayette, IN, Professor T. Matsumura of The University of Electro-Communications Tokyo, Japan, Professor J. Mead of the University of Massachusetts at Lowell, MA, Professor C. Xu of Florida State University, Tallahassee, FL, Professor J. Coulter of Lehigh University, Bethlehem, PA, Professor S. Min of the University of Wisconsin-Madison, Madison, WI, and Dr. B. Wei of GE Global Research, as well as the contribution of stellar guest editors Professor R. Malhotra of Rutgers University, Professor Y. Pan of the University of Illinois at Chicago, and Professor G. Wiens of the University of Florida, just to name a few. Let me also express gratitude for the support of the ASME technical divisions led by the Manufacturing Engineering Division, the dedication from the journal assistant Maegen Gregory, and the work of ASME Production staff.

As recognition of the broad coverage of the JMNM in the emerging areas of unit micro- and nano-manufacturing processes and systems, the journal is now indexed and abstracted in the Thomson Reuters Web of Science™ Core Collection, as well as in Thomson Reuters' Emerging Sources Citation Index (ESCI). Looking forward, I am confident that the *ASME Journal of Micro- and Nano-Manufacturing* will provide a critical mass for easy access to state-of-the-art research results in the areas specified earlier.

The diversity of research topics of micro- and nano-manufacturing can be exemplified by the papers published in this issue, ranging from advancement in micro-manufacturing processes such as graphene growth on and transfer from platinum thin films, plasma oxidation printing, and nanofinishing on surgical stainless steel, to fundamental experimental investigation of high-speed water jetting under nonuniform electric fields, the study of nano-scale filler reinforcements for enhancing wear properties, and the application of novel metrology techniques such as optical emission spectroscopy in micro-EDM.

The mission of the JMNM is to disseminate original theoretical and applied research in the areas of micro- and nano-manufacturing, with an emphasis on the latest advancements in research and development, such as design, computational methods, mechatronics, materials, and basic sciences in the manufacturing community. Meanwhile, as today's technical challenges arise in energy, health, environment, and society, we also welcome submissions and technical themes addressing special needs in emerging areas, such as optics and photonics, biomedical devices such as microfluidic platforms and tissue engineering, advanced manufacturing for smart fabrics and textiles, while also welcoming topics from broader societal challenges such as water and renewable energy.

Once again I am grateful to you all for the opportunity to advance the field of manufacturing, and I look forward to receive your suggestions, submissions, and support as reviewers, a key pillar of our society!

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