



Precision and Ultra-Precision Subtractive and Additive Manufacturing Processes of Alloys and Steels

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Message from the Guest Editors

The development of precision and ultra-precision manufacturing processes results from a growing demand for reduced mass and dimensions of manufactured products of the highest surface quality and dimensional accuracy, while reducing production costs. The extreme requirement towards a surface quality constitutes the fundamental objective of precision and ultra-precision manufacturing processes. Therefore, the recognition of a specific physical phenomenon occurring during these techniques, as well as the selection of input parameters enabling simultaneous improvement of a machined surface quality, together with a process stability and tool life, are of high scientific importance. It is our pleasure to invite you to submit original research papers, short communications or state-of-the-art reviews which are within the scope of this Special Issue. Contributions can range from novel approaches in precision and ultraprecision manufacturing, the analysis and modeling of process mechanics, and measurements of physical phenomena during manufacturing processes to evaluation of surface integrity.





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Message from the Editor-in-Chief

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