Special Issue

Advanced Processes and Technologies in Precision and Ultra-Precision Machining

Message from the Guest Editors

Ultra-precision machining is one of the important symbols of the level of advanced manufacturing technology. It has been recognized as a technology that requires sustainable development and determines the competitiveness in the future. Ultra-precision machining depends not only on ultra-precision machine tools, machining tools and process methods, but also on the corresponding ultra-precision measurement, machining environment and machine tool state control technology. In order to meet the increasing processing demand, ultra-precision machining is continuing to explore new principles, methods and applications to materials. This leads to the development of higher precision and efficiency, integrating machining, testing, and multi-functional modularization. Ultra-precision machining equipment and technology are the comprehensive applications of new technological achievements in many disciplines, but they also promote the development of many novel high-level technologies. This Special Issue aims to provide a collection of the latest research and findings in recent advances in ultra-precision machining technology and its applications.

Guest Editors

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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