Special Issue

New Advances in Precision and Ultra-Precision Machining Technology

Message from the Guest Editor

This Special Issue aims at attracting researchers to present recent advances and technologies in precision and ultra-precision machining and indicate the future trends for precision and ultra-precision machining, including but not limited to the following topics:

- Metrology and ultra-precision surface integrity evaluation;
- Advanced manufacturing technologies, such as turning/milling/grinding/polishing/hybrid processing;
- Assisted machining technologies;
- Laser processing and surface treatment;
- Cooling/lubrication and green manufacturing technologies;
- Precision and micro machining, including diamond machining, precision grinding and polishing, EDM, and laser beam machining;
- Metrology for high-precision characterization of forms, structures, and topography of precision-machined components;
- Material aspects in precision machining such as surface and subsurface integrity of precision-machined hard and difficult-to-cut materials.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso CISE - Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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