

Special Issue

Precision Engineering in Manufacturing: Challenges and Future

Message from the Guest Editor

Precision engineering is one of the fastest-growing subfields of manufacturing research. However, there are still some bottlenecks and challenges that need to be overcome. Due to these difficulties, the technology-driven features and leading roles of precision manufacturing processes are not prominent. These difficulties can be overcome by creating novel manufacturing techniques that could potentially offer greater design independence, multi-material processing capabilities, and high throughput as a complement to the current manufacturing framework.

This special issue aims to present state-of-the-art development in precision engineering research focusing on computational and experimental approaches for designing, analyzing, optimizing, developing and promoting the manufacturing process. These concepts will serve as the foundation for the discussions of breakthroughs and advances that can propel the growth of precision manufacturing in this special issue.

- precision machining techniques and methodology
- manufacturing systems and machine tools design
- machining mechanism and process
- measurement technology in precision engineering

Guest Editor

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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.

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