



## **State-of-the-Art Machining Technology: Advancing Precision Metrology, Fabrication, and Positioning**

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### **Message from the Guest Editors**

Dear Colleagues,

This Special Issue, titled “State-of-the-Art Machining Technology: Advancing Precision Metrology, Fabrication, and Positioning”, delves into the cutting-edge developments in precision metrology, precision fabrication, and precision positioning techniques.

Papers in all areas of machining technology will be considered, including but not limited to:

- Deflectometry/interferometry/scattering metrology;
- Fringe projection metrology;
- Wavefront sensing;
- Surface profilometry: optical and scanning probe;
- Additive manufacturing (e.g., 3D printing);
- Micromachining/Nanofabrication;
- Positioning technology;
- Machine tool design;
- Motion control systems;
- Smart/sustainable manufacturing;
- Robotics and automation;
- Literature review/survey on state-of-the-art manufacturing technologies;
- Single point diamond turning;
- Advanced surfacing and finishing technologies;
- Metrology and fabrication for middle-spatial-frequency errors.





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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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