



## **Error Measurement, Analysis, and Compensation Technology for CNC Machine Tools**

Guest Editors:

### **Dr. Guoqiang Fu**

Department of  
Electromechanical Measuring  
and Controlling, School of  
Mechanical Engineering,  
Southwest Jiaotong University,  
Chengdu 610031, China

### **Prof. Dr. Jianzhong Fu**

1. The State Key Laboratory of  
Fluid Power and Mechatronic  
Systems, Zhejiang University,  
Hangzhou 310027, China  
2. Key Lab of 3D Printing Process  
and Equipment of Zhejiang  
Province, Zhejiang University,  
Hangzhou 310027, China

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

Dear Colleagues,

CNC machine tools represent the core competitiveness of a country's manufacturing industry. They play an important role in national defense, aerospace, and automobile manufacturing. With the development of intelligent manufacturing, the demands regarding the accuracy of CNC machine tools have been increasing. Many factors influence the machining accuracy of CNC machine tools, including geometric errors, thermal errors, cutting force deformation errors, servo tracking errors, and so on. Error measurement, analysis, and compensation is one of the important ways to enhance the accuracy of the CNC machine tools.

The objective of this Special Issue is to discover the most recent and significant developments in error measurement, error analysis, error modeling, and compensation for CNC machine tools. This Special Issue encourages and welcomes original research articles with a significant contribution to numerical, theoretical, and experimental analysis. Review articles related to these application areas are also invited.





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CISE—Electromechatronic  
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University of Beira Interior,  
Calçada Fonte do Lameiro, P-  
6201-001 Covilhã, Portugal

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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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*Machines* Editorial Office  
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