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## **Editorial**

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### **Hongrui Cao**

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**Biographical notes:** Hongrui Cao received his PhD degree in 2010. He pursued his academic career in School of Mechanical Engineering, Xi'an Jiaotong University. He was promoted to Professorship in 2018. His research interests include dynamics of spindle bearing systems, chatter stability of machine tools, cutting process monitoring, and fault diagnosis of rotating machinery. He has published about 30 peer-reviewed journal papers and most of them were published in respected journals.

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Intelligent machine tools and manufacturing are frontier areas attracting global researches and engineering efforts. This special issue aims to bring together papers that report recent advances and challenges in addressing problems and finding new solutions for intelligent machine tools and manufacturing. Six papers with high quality are selected, which refers to tool wear, fault diagnosis, thermal issues, chatter, etc. With this special issue, we hope to deliver readers promising new ideas and directions for future developments in this area.