Special Issue

Cutting-Edge Automation in Robotic Machining

Message from the Guest Editor

As global industries continue to push the boundaries of precision, efficiency, and flexibility in manufacturing, robotic machining is emerging as a critical technology in the quest for smarter and more efficient production systems. Higher levels of autonomy, accuracy, and adaptability are being made possible by the convergence of smart automation, robotics, and machining technologies, which is changing conventional production processes. This Special Issue, “Cutting-Edge Automation in Robotic Machining”, seeks to present groundbreaking research and innovative solutions that are advancing the field of robotic machining. This Special Issue invites researchers, engineers, and industry professionals to submit original research articles, in-depth reviews, and case studies that explore the future of robotic machining and its integration with next-generation automation technologies. Submissions should offer new insights into the design, control, simulation, optimization, and real-world deployment of robotic machining systems. Multidisciplinary approaches that bridge gaps between manufacturing engineering, robotics, AI, and data science are highly encouraged.

Guest Editor

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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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