Special Issue

Recent Trends and Interdisciplinary Applications of AI & Robotics

Message from the Guest Editor

The fusion of AI and robotics enables the optimisation of systems' level of self-sufficiency, improving accuracy, reliability, efficiency, cost-effectiveness, and competitiveness. Improving the performance in interdisciplinary areas allows systems to envision the future, plan tasks or interact with the world. This could be via learning and acquiring knowledge from sophisticated perceptions based on imitation and experience, through exploitation or navigation. Thus, it is essential to investigate the recent trends and interdisciplinary applications of AI and robotics. This Special Issue will be committed to state-of-the-art research on cutting-edge robotics and AI research in interdisciplinary domains, including but not limited to human–robot interactions, its potential service and entertainment applications, smart city strategy and development, sustainability, renewable energy, healthcare, agriculture, automotive, warehousing, and emerging technologies. We encourage original manuscript submissions with innovative perspectives and advanced thinking on the theme addressed. Research on theories, simulations, experimentation, and engineering applications is encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (15 February 2024)

Machines

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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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