Special Issue

Advanced Magnetic Methods in Robotics

Message from the Guest Editors

In the field of robotics, one of the most promising actuation techniques is using magnetic fields due to their safe interaction with tissues, wireless nature, and miniaturization potential. This has led to the continuous development of advanced magnetic actuators and sensors. In particular, the coupling of magnetism with soft robots has piqued great interest in the scientific community, as soft bodies can easily deform and adapt to the environment, leading to inherently safer robots. This Special Issue aims to highlight novel breakthroughs in the field of advanced magnetic methods in robotics. We call on researchers to share their latest advancements in magnetic methods in robotics. Contributions related to innovative designs, fabrication methods, materials, applications, and other topics in the field of magnetic robots, especially actuation and sensing, are welcome.

Guest Editors

Dr. Mohammad Hasan Dad Ansari
The BioRobotics Institute, Scuola Superiore Sant'Anna Pisa, Pontedera, Italy

Dr. Ajay Vikram Singh
Department of Chemical and Product Safety, German Federal Institute for Risk Assessment (BfR), Max-Dohrn-Strasse 8-10, 10589 Berlin, Germany

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Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE - Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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