



Selected Papers from the 17th International Symposium on Magnetic Bearings (ISMB17)

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Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

Dear colleagues,

This Actuators Special Issue will include high-quality papers presented during the 17th International Symposium on Magnetic Bearings, following the successful experience of ISMB17.

https://www.mdpi.com/journal/actuators/special_issues/ISMB17

After the end of ISMB17, authors of selected papers that match the Journal topics will be invited to publish an improved version of their contributions in open access, with the aim of providing a broad overview of the latest achievements and applications of magnetic bearings, magnetic actuators in many fields of mechanics, covering industry, automation, automotive, aerospace, and transportation. Papers could be original research papers, as well as review papers focused on the current state-of-the-art in one of the areas covered by the journal's aims and scopes.

Prof. Dr. Richard Stephan

Prof. Dr. Del Nero Gomes

Prof. Dr. José Andrés Santisteban Larrea

Guest Editors





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Message from the Editorial Board

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of \$1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

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