

# Special Issue

## Magnetic Bearing Actuators II

### Message from the Guest Editor

Active magnetic bearings have several distinguishable advantages over other bearings—complete contact-free suspension of a rotating object, controllable and observable bearing force, lubrication-free and maintenance-free characteristics, etc. The range of applications steadily increases and novel systems are still being developed. This Special Issue is aimed at presenting this technology with a focus on the various aspects of actuators: geometric design, choice of materials, modeling, analysis, control, sensing, and evaluation. Linear magnetic bearings for non-rotating objects are also targeted. This Special Issue will follow the former one: "Magnetic Bearing Actuators" that focused on the various aspects of the electromagnetic actuator.

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### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2023)



## Actuators

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## About the Journal

### 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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### Editors-in-Chief

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