



## Magnetic Bearing Actuators II

Guest Editor:

**Prof. Dr. Takeshi Mizuno**

Department of Mechanical  
Engineering, Saitama University,  
Shimo-Okubo 255, Skuara-ku,  
Saitama 338-8570, Japan

Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### 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.

