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Advanced Technologies in Superconducting Actuators

Guest Editors:

Message from the Guest Editors

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Dear colleagues,

Actuators are becoming increasingly necessary in various industries and applications, such as manufacturing, transportation, vehicles and airplanes. In particular, actuators using electromagnetic forces have excellent characteristics. On the other hand, superconducting materials demonstrate many beneficial properties, such as zero electrical resistance, perfect diamagnetism, pinning effect and permanent current. Therefore, superconducting actuators with these excellent characteristics carry great potential. In this Special Issue, we will focus on actuators and actuator systems with superconducting characteristics and the related actuators. A wide variety of journal papers are welcome.

Contributions may include, but are not limited to, the following topics:

- superconducting actuators
- superconducting actuator systems
- superconducting levitations
- superconducting transportation vehicles
- superconducting actuators for medical applications
- cryogenic actuators

Prof. Dr. Mochimitsu Komori *Guest Editor*

