



## Modeling Smart Actuators and Their Applications

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Multifunctional materials, such as piezoelectric materials, shape memory alloys, electrorheological (ER) and magnetorheological (MR) materials, and magnetostrictive materials, have received growing interest in the development of advanced actuators for motion control and, semi-active and active vibration and noise control applications. The purpose of this Special Issue is to invite the state-of-the art review and original contributions in this emerging technology. Contributions related to modeling and analysis, design optimization, experimental characterization, and control of actuators featuring smart materials, are especially encouraged. This Special Issue is also interested in contributions addressing the application of smart actuators for adaptive positioning, noise and vibration control applications.

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