



Shape Memory Alloy Actuators

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Message from the Guest Editors

Dear Colleagues,

Since the invention of shape memory alloys (SMAs), in particular, NiTi based SMAs in the 1970s, we have seen extensive R&D in various types of actuators based on bulk and/or thin-film SMA elements. Recent developments in fatigue-resistance and temperature-insensitive versions provide more opportunities for SMAs in a wider range of applications. Furthermore, additive manufacturing of SMA elements enables rapid customization for individuals.

This Special Issue of *Actuators*, entitled Shape Memory Alloy Actuators, is a platform to showcase the achievements so far. Both review and original technical (including both experimental and modeling) papers are welcome.

Keywords:

- Shape memory alloys
- Magnetic shape memory alloys
- Shape memory effect
- Superelasticity
- Two-way actuators
- One-way actuators
- Thin film shape memory alloys
- Nitinol
- 3D/4D printing
- Modeling and simulation

