



## Piezoelectric Actuators and Transducers: Materials, Design and Applications

Guest Editor:

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### Message from the Guest Editor

Piezoelectric actuators are often used in precision positioning devices because of their nanometer-order resolution. In addition, they are small and light and generate a large blocking force. On the other hand, the deformation of piezoelectric actuators is generally limited to several tens of micrometers. In order to overcome this disadvantage, they are often combined with mechanisms to enlarge their movable range by accumulating minute motions.

This Special Issue will collect contributions related (but not limited) to the following topics:

- Design of piezoelectric positioners, movers, and motors
- Driver for piezoelectric actuators; control strategy of piezoelectric actuators
- Modeling/simulation of piezoelectric actuators
- Piezoelectric energy harvesting; piezoelectric transducers
- Piezoelectric composites and smart structures
- Piezoelectric and structural health monitoring
- Near-field ultrasonic levitation
- Applications to science, technology, precision engineering, and industry

