



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

Guest Editor:

Prof. Dr. Katsushi Furutani

Department of Advanced Science and Technology, Faculty of Engineering, Toyota Technological Institute, 12-1, Hisakata 2-Chome, Tempaku-ku, Nagoya 468-8511, Japan

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Message from the Guest Editor

Dear Colleagues,

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 the movable range by accumulating minute motions.

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

- piezoelectric positioners, movers, and motors
- driver
- Control strategy
- modelling/ simulation
- energy harvesting
- piezoelectric composites and smart structures
- piezoelectric and structural health monitoring
- near-field ultrasonic levitation
- applications to science, technology, precision engineering, and industry

