



Piezoelectric and Electrostrictive Materials in Mechatronics, Precision Engineering and Vibration Control

Guest Editors:

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Piezoelectric and electrostrictive materials are considered the most mature among smart materials used in mechatronics, precision engineering, and vibration control. They include poly-crystal and mono-crystal ceramics (PZT, PMN-PT), polymers (PVDF, PVDF-TrFE, etc.) as well as composites (MFC). They offer high resolution and high bandwidth, they are suitable for mass manufacturing, and they can be used as thin films.

This Special Issue will gather papers on modeling, control, and applications related to:

- Precision engineering;
- MEMS;
- Position and shape control;
- Adaptive structures for space;
- Vibration control (active isolation, active damping, and semi-active damping);
- Aeroelasticity;
- Energy transformer and energy harvesting.

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