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Advances in Ferroelectric/Piezoelectric Materials and Their Applications

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Message from the Guest Editors

Among piezoelectrics, ferroelectrics are a special multifunctional class with switchable spontaneous polarization. Though they were discovered more than a century ago and have undergone decades of development, ferroelectric/piezoelectric materials are still among the most used and studied materials in the scientific community and industry. Therefore, to promote the exchange of research on ferroelectric/piezoelectric materials and their applications, Applied Sciences plans to launch a Special Issue entitled “Advances in Ferroelectric/Piezoelectric Materials and Their Applications”, focusing on state-of-the-art international advances in both fundamental and application-oriented research. Potential topics include, but are not limited to:

- Modeling and simulation for ferroelectric/piezoelectric material design.
- Fundamental theories of ferroelectricity and piezoelectricity.
- New ferroelectric/piezoelectric materials: single crystal, ceramics, polymers, composites, films, etc.
- Novel technology in the preparation process of high-performance ferroelectric/piezoelectric materials.
- Innovative ferroelectric/piezoelectric devices: sensors, actuators, energy harvesters, etc.



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Special Issue



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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