



Flexoelectric Effect in Dielectric Materials

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Message from the Guest Editors

Dear Colleagues,

Flexoelectricity describes a universal effect of dielectric materials whereby a net polarization is induced by strain gradients. This broadens the potential of nonpiezoelectric materials in applications such as sensors, actuators, and energy harvesters. Considerable research efforts have recently been devoted to the field of flexoelectric effects, deepening our current understanding of flexoelectricity in both fundamental and application aspects.

This Special Issue aims to report the progress of research on the different aspects related to flexoelectric effects in dielectric materials. Both review articles and original research works are welcome. The topics of interest for publication include, but are not limited to:

- Theories and modelling of flexoelectricity;
- Theoretical and experimental determination of flexoelectricity;
- Mechanisms of enhanced flexoelectric(-like) effects;
- Novel flexoelectric(-like) materials and structures;
- Dynamic flexoelectric effect;
- Manifestation of flexoelectric effects in material properties;
- Applications and perspectives of flexoelectricity.





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Message from the Editor-in-Chief

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