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Advances in Magnetoelectric Composites

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editors

Dear Colleague,

Magnetoelectrics are key enabling materials for a range of proposed related technologies that exploit their ability to develop an electric polarization in response to a magnetic field, and conversely of a magnetization in response to an electric one. Examples are electrically-tunable magnetic devices for microwave communications, high-sensitivity magnetic-field sensors with room-temperature operation, and energy harvesters, to name a few. The most promising materials and those closest to enabling the technologies are two-phase materials combining ferroelectrics and ferromagnets.

This Special Issue aims at putting together recent advancements in processing, understanding, applications, and novel materials, and finally aims to outline some future technological and scientific challenges in the field of magnetoelectric composites. Contributions on all types of composites, both bulk and film, either experimental or theoretical studies as well as potential technical implementations are welcomed.

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Message from the Editor-in-Chief

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