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Solid Dielectrics and Their Applications

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will deal with the different aspects related to solid dielectrics and to their present and future applications. Potential topics include but are not limited to:

- Basic and advanced properties of solid dielectrics
- Different types of dielectric materials (polymers, ceramics, composites) and their applications
- Tailoring of dielectric properties for specific applications
- Dielectrics in micro and nano-electronics
- Dielectrics in high voltage applications (dc and ac)
- Dielectrics in power electronics
- Dielectrics in space applications
- Dielectrics in sensors and actuators
- Dielectrics for energy storage systems
- Electrets and their applications
- Nano-dielectrics and their applications
- Piezoelectric materials and their applications
- High-temperature solid dielectrics and their applications
- High field solid dielectrics and their applications
- Behavior of dielectric properties under high stress and reliability-related problems in electronic and electrical engineering components and systems
- Lifetime estimation of dielectric materials and structures
- Insulating systems
- Renewable and bio-inspired dielectrics



mdpi.com/si/77395

Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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