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Materials with Shape Memory: Phase Transformations, Microstructure and Properties

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Message from the Guest Editor

Currently, materials with shape memory are used in medicine as implants for the treatment of socially significant diseases and in the aerospace engineering and automotive industries; they also have great potential in micro-robotics. This Special Issue is devoted to both fundamental studies of nature and mechanisms of shape memory effects realization in materials, and the applied development and application of these materials. This issue of the journal aims to cover the topic of materials with shape memory as much as possible, and will include both articles presenting new original results and reviews of recent research and specific applications. Manuscripts will be welcomed from researchers working in higher education and research institutions, as well as industrial companies that develop and produce products using materials with shape memory.

Keywords

- shape memory materials
- microstructure
- fundamental properties
- developments



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Message from the Editor-in-Chief

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