



Modeling of Coupled Phenomena in Novel Ferromagnetic Materials

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Message from the Guest Editor

Modeling of coupled nonlinear effects (e.g., magnetoelastic, magnetocaloric ones) in novel soft and hard magnetic materials is of practical and theoretical interest. There is a stringent need to develop new types of sensors and actuators for practical applications; on the other side, it is important to understand the mutual interactions within materials in deeper detail.

Keywords

- hysteresis models
- magnetoelastic effect
- effect of temperature
- pressure on magnetic properties
- eddy currents
- magnetostriction
- novel sensors and actuators
- nondestructive testing
- diagnostic methods





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Message from the Editor-in-Chief

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