



Modeling of Coupled Phenomena in Novel Ferromagnetic Materials

Guest Editor:

Dr. Krzysztof Chwastek

Faculty of Electrical Engineering,
Czestochowa University of
Technology, 42-201
Czestochowa, Poland

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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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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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