Special Issue

Advances in Eddy Current Non-destructive Testing

Message from the Guest Editor

The Special Issue aims to provide an in-depth overview of the latest developments in the field. The articles in this Special Issue attend to a wide range of topics, including the following:

- Advanced sensor/sensor array design: This includes the application novel materials to create more sensitive and selective sensors. It also includes the development of new sensor geometries.
- Eddy current data processing and automatic evaluation: This includes the application of machine learning/AI to analyze eddy current data.
- Industrial applications: This includes the application of the eddy current testing of complex materials as well as the inspection of industrial structures.
- Multimodal sensing: Multimodal sensing, which combines eddy current with other sensing modalities.
- Miniaturization and portability: This includes the development of handheld or mobile systems that can be employed in the field.

The Special Issue provides a comprehensive overview of the latest developments in ECT technology. We are hoping to identify the ability of eddy currents to improve efficiency, minimize waste and support manufacturing and energy systems.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)

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About the Journal

Message from the Editor-in-Chief

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