

## Special Issue

# Current Advances in Eddy Current Testing

### Message from the Guest Editors

Eddy current inspections are one of the most widely used nondestructive testing methods, and are applied alike to the inspection of large components, such as aircraft or ships, and small products, such as tubes, rods, or welds. The eddy current technique has found application at every stage of a product's life; that is, from the prototype, through the production process, to periodic inspections during operation. Inspections are aimed not only at detecting defects, but also at determining thickness, magnetic and electrical properties, or assessing technical condition. In this Special Issue, we encourage all authors to submit papers on various aspects of eddy current testing, including such topics as:

- Eddy current arrays;
- Analytical and numerical modeling;
- Pulsed eddy currents;
- Eddy current imaging;
- Eddy current thermography;
- Eddy current fusion with other nondestructive testing methods.

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### Guest Editors

Dr. Grzegorz Tytko

Dr. Krzysztof Bernacki

Dr. Yating Yu

Dr. Yao Luo

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### Deadline for manuscript submissions

20 October 2025



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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