# Special Issue

# Machine Learning and Optimization Techniques in Antenna Design

### Message from the Guest Editor

The Special Issue will focus on the application of ML and optimization techniques to revolutionize the field of antenna design. It aims to address the increasing complexity of modern antenna systems by leveraging ML algorithms to automate and accelerate design processes and employing optimization techniques to enhance performance. Specific areas of focus include automated design workflows, performance prediction models, inverse design approaches, and multi-objective optimization for antennas. This issue will particularly target novel approaches that integrate machine learning with established electromagnetic simulation tools and optimization frameworks, aiming to improve antenna characteristics such as gain, bandwidth, radiation patterns, and efficiency.

### Guest Editor

Dr. Diego Caratelli

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### Deadline for manuscript submissions

closed (15 May 2025)

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## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Editor-in-Chief

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