Special Issue

Inverse Problems and Optimization in Electromagnetic Systems

Message from the Guest Editors

Electromagnetic (EM) systems are foundational to modern technology, enabling advancements in wireless communications, medical diagnostics, remote sensing, and non-destructive material evaluation. The performance and innovation in these areas are increasingly dependent on our ability to solve two classes of challenging problems: inverse problems and optimization problems. Inverse problems seek to determine the intrinsic properties or geometry of an object from external field measurements, while optimization problems aim to find the best possible design parameters to achieve a desired performance. This Special Issue, "Inverse Problems and Optimization in Electromagnetic Systems," will focus on the latest theoretical advancements, novel computational algorithms, and pioneering applications in these interconnected fields. The scope is to create a comprehensive collection of high-quality research that addresses the entire spectrum of challenges, from mathematical formulation to practical implementation.

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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