Special Issue

Mathematical Applications in Electrical Engineering, 2nd Edition

Message from the Guest Editor

Following the success of the First Edition, this Special Issue on "Mathematical Applications in Electrical Engineering" aims to further explore and expand the impactful role of mathematics and computational techniques within electrical engineering. This Second Edition invites high-quality research addressing mathematical methods and their application across diverse areas of electrical engineering, including but not limited to circuit theory, materials simulation, electromagnetic material characterization, and finite element modeling. We also welcome contributions that present advanced optimization methods, mathematical techniques for circuits, information processing and transmission algorithms, artificial intelligence, and neural network applications tailored to engineering problems. Research in electromagnetic fields and algorithms for data classification, recognition, and prediction is also highly encouraged. This Special Issue seeks to showcase advancements that bring new insights, methodologies, and trends that drive innovation and enhance knowledge within electrical engineering.

Guest Editor

Prof. Dr. Fausto Sargeni

Department of Electronic Engineering, University of Rome "Tor Vergata", Via del Politecnico 1, 00133 Rome, Italy

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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