Special Issue

Control, Optimization and Intelligent Computing in Energy

Message from the Guest Editor

This Special Issue will address topics including mathematical formulation of the linear and nonlinear systems in both the time and frequency domain; discrete time systems; stability analysis of dynamic systems; design and implementation of controllers to analyze the stabilization and linearization of plants with/without feedback control; industrial automation and instrumentation required to process various control operations in industries; the establishment of an in-depth theoretical and practical understanding of power electronics control and technologies; investigation of mathematical modeling and innovative control approaches for providing clean green energy supplies with PV, wind, battery, and fuel cell technologies; and analysis of legacy communication protocols and standards for distributed energy systems. The Special Issue covers the smart grid system and optimization methods. Finally, the design and implementation of novel methods will be evaluated using both sequential and parallel computing application methods, real-time simulations, and analyses using advanced industrial-grade hardware and software tools.

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Deadline for manuscript submissions

31 August 2025

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**Impact Factor 2.2
CiteScore 4.6**

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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.

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