Special Issue

Signal Processing, Machine Learning, and Scientific Computing: Algorithms and Applications

Message from the Guest Editors

Signal processing, machine learning, and scientific computing are three highly interdisciplinary. Researchers in these areas contribute to the development of innovative algorithms and applications that provide a real breakthrough in a wide variety of fields, such as biomedicine, healthcare, power sector, manufacturing, logistics, supply chain, etc. The boom of big data, the technical advances in modern computers, and the massive growth of the data storage industry have only boosted research in these three areas, allowing the construction and processing of large, heterogeneous, and complex datasets that might serve to build more robust and reliable algorithms. The aim of this Special Issue is to invite original research manuscripts and high-quality review articles that entail scientific computing, signal processing, and machine learning for addressing challenges in many scientific fields, ranging from engineering and science to medicine and energy efficiency. Manuscripts that address healthcare and power-sector-related problems are particularly welcome for publication in this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)

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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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