Special Issue

Scheduling: Algorithms and Real-World Applications

Message from the Guest Editor

We are thrilled to invite you to contribute to our upcoming Special Issue on "Scheduling: Algorithms and Real-World Applications" We actively seek the latest advancements in scheduling algorithms and their diverse applications, encouraging researchers to share their expertise and insights, enriching our understanding of this evolving field. The Special Issue aims to bring together cutting-edge research, focusing on both theoretical and practical applications of scheduling algorithms. We welcome contributions exploring innovative scheduling methodologies to address the varied demands of modern industries and services, including novel scheduling algorithms, metaheuristic and optimization techniques, and machine learning approaches for scheduling. This Special Issue extends scope beyond traditional scheduling domains like manufacturing, energy markets, healthcare, transportation, and logistics, to emerging technologies and realms such as cloud manufacturing, data center scheduling, adaptive scheduling, real-time scheduling for cyber-physical systems, digital twin-based scheduling, scheduling in the Internet of Things (IoT), quantum computing, and blockchain.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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