## **Special Issue**

## Advances in Al-Driven Distributed Systems

## Message from the Guest Editor

The growing demand for scalable, efficient, and intelligent computing has driven significant advancements in Al-powered distributed systems. This Special Issue focuses on the integration of Al techniques to enhance the performance, reliability, and adaptability of distributed architectures. Topics of interest include Al-driven resource management, intelligent task scheduling, fault tolerance, and security in distributed environments. Additionally, we welcome research on Al applications in cloud computing, peer-topeer networks, and big data analytics, as well as innovative software engineering approaches for optimizing distributed systems. This Special Issue aims to bring together researchers and practitioners to share insights and developments that shape the future of Aldriven distributed computing.

## **Guest Editor**

Dr. Fabrizio Marozzo

Department of Informatics, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria, 87036 Rende, Italy

## Deadline for manuscript submissions

closed (20 October 2025)



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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## **Editor-in-Chief**

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