Special Issue

Advanced Technologies in Edge Computing and Applications

Message from the Guest Editors

The rapid evolution of edge computing has positioned it as a critical facilitator of the next generation of Internet and intelligent applications. Among the most significant advancements in this field is the deployment of large models (e.g., LLM) in edge devices; the field promises to revolutionize large models, with their potential for real-time, localized data analysis and decision-making. Differentiated from cloud computing, this paradigm shift is crucial for applications requiring real-time capabilities, low latency, and high bandwidth, such as the Internet of Things (IoT), 5G networks, autonomous vehicles, and more. Contributions that are welcome may include, but are not limited to, the following topics:

- Edge computing for large models;
- Edge computing for big data and analytics;
- Edge computing for blockchain applications;
- Privacy protection for edge computing;
- Adversarial attacks and defenses in edge computing.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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