

Special Issue

Current Status and Development Direction of Cloud Computing Application in IoT

Message from the Guest Editors

Driven by the need for data collection and analysis in IoT applications, the integration of cloud computing and IoT has become an inevitable trend. Consequently, numerous cloud providers, telecom companies, and computer vendors worldwide have introduced solutions that enable cloud platforms to support IoT ecosystems. This convergence represents a paradigm shift, transforming industries and driving innovation. The emergence of edge computing and fog computing has further strengthened the capabilities of the aforementioned technology combinations, and the integration of these technologies enables unprecedented capabilities, including high levels of automation and intelligence, real-time data processing, scalable storage solutions, and enhanced connectivity. This Special Issue aims to provide a comprehensive overview of the latest advancements, challenges, and future directions in this dynamic field, and seeks original unpublished papers addressing recent advancements and research results in the design and development for the convergence of cloud computing and IoT.

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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 guestedited by leading experts in selected topics of interest.

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