Special Issue

Optimizing the Future: Securing and Streamlining IoT Resource Allocation in the 6G Era with Edge Computing and UAV Integration

Message from the Guest Editor

In the dynamic landscape of the Internet of Things (IoT), where sensors, actuators, and devices orchestrate a symphony of data, resource allocation emerges as a critical focal point. Recent strides in IoT, coupled with the pervasive deployment of 6G connectivity in developed nations, have unleashed unprecedented opportunities for ubiquitous sensor device connectivity. The incorporation of edge computing and the integration of unmanned aerial vehicles (UAVs) further extend the boundaries of IoT capabilities, introducing novel dimensions to data processing, analysis, and delivery. This Special Issue is dedicated to exploring the intricate interplay between IoT resource allocation, 6G connectivity, edge computing, and UAV integration. As the number of sensor devices proliferates and becomes seamlessly connected across diverse networks, the efficient distribution and management of resources becomes imperative. Researchers are invited to contribute high-quality papers presenting innovative solutions and comprehensive evaluations of application-oriented research results.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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