Special Issue

Recent Advances in Embedded System Design

Message from the Guest Editors

Embedded systems represent the main computing power in digital devices ranging from smartphones to ultra-low power wearables. Driven by the demands of a long battery life, a high processing power, Internet of Things (IoT), and machine learning (ML), these systems are constantly evolving. Additionally, researchers are applying embedded systems to new industrial and commercial areas, ranging from medical implants to edge computing for ML. However, several challenges still exist, including but not limited to power efficiency, battery life, extreme working conditions, computer vision, etc. Other examples include the use of wireless energy transfer for battery-less power and communication, where RFID technology is very common.

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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.

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