Smart Embedded Processors

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

An embedded processor is a central processing unit specifically designed for processing signals from peripheral sensors or devices. It exists not only in simple toys or household appliances but also in consumer electronics, medical equipment, vehicles, aeroplanes, robots, and communication systems. Rapid advances in semiconductor manufacturing, sensor technologies, Internet of Things (IoT), and artificial intelligence (AI) mean that embedded systems can offer much more compelling functionalities than before. However, there are also demands to tackle technology-incurred challenges such as data handling/processing and energy-efficient computing.

This Special Issue aims to provide a platform for interdisciplinary research into intelligent embedded processors and associated topics. It will include studies in areas in hardware (DSP, FPGA, microcontrollers, etc.)-embedded computing, energy-efficient embedded processors, AI-enhanced processing, and associated innovative applications.

- intelligent embedded systems
- embedded computing
- energy-efficient computing
- AI-enhanced processing
- FPGA-embedded processors

Special Issue

Editor-in-Chief

Message from the Editor-in-Chief

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