Special Issue

Heterogeneous and Parallel Computing for Cyber Physical Systems

Message from the Guest Editors

Over the years, researchers have made breakthrough developments in the fields of science and engineering. One such development is cyber-physical systems, which are nothing but an extension of the Internet of Things (IoT). They blend both physical and computational capabilities such as control, computation, and communication for designing and developing hybrid electric vehicles, biomedical systems, space vehicles, autonomous cars, prostheses, etc.

The cyber-physical system acts as a platform amalgamating information systems and networked services in a virtual environment. This system also collects a huge amount of data to solve problems while building well organized social networking systems. However, the merging of various subsystems increases the functional and operational time. It also increases the complexity and cost due to the usage of advanced devices such as multicore processors, sensors, actuators, and wireless communication devices. This Special Issue offers a platform for researchers and practitioners to develop new conceptual models for cyber-physical systems based on heterogeneous and cloud 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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