Applications Enabled by Embedded Systems

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Message from the Guest Editors

Dear Colleagues,

Embedded systems are special-purpose computer systems designed to perform specific tasks whilst coping with constrained resources, such as processing power, memory, energy, communication, and networking. They are also used to manage the need to interface with sensors and actuators and are employed in a wide range of applications, including transportation, manufacturing, robotics, automotive, home appliances, telecommunications, and commercial industries. These limitations make the development of embedded applications a challenging task, requiring specific programming paradigms and methodologies.

The goal of this Special Issue on "Applications Enabled by Embedded Systems" is to collect scientific manuscripts that explore both the practical and theoretical aspects associated with the development of embedded systems and their applications. This Special Issue welcomes contributions that showcase innovative and inspiring applications of embedded systems, including the full stack of technologies involved in modern embedded applications: development of software, integration within a larger system, deployment, and management.

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Special Issue

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Message from the Editor-in-Chief

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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