

Special Issue

Energy-Aware and Efficient Computing and Communications

Message from the Guest Editors

Recently, power and energy consumption has become an issue because of mobile devices, high-performance computing systems, and various communication systems. For example, data centers consume huge amounts of electricity in operating massive numbers of servers and networking devices. Embedded systems for vehicles and mobile systems are energy constrained and therefore need energy awareness and efficient operation of resources to minimize the power/energy consumption. There are many efforts to efficiently use energy (e.g., smart and micro grids). Additionally, many people and institutions are looking at Green IT, where using less energy to conserve our planet and reducing pollution is the objective. It has become essential to design and build systems that reduce or efficiently use power/energy.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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