

Special Issue

Challenges and Opportunities of IoT Deployments—Avoiding the Internet of Junk

Message from the Guest Editors

The price, size and power requirements of computing power are falling drastically, opening up new opportunities and driving revolutions, such as the Internet of Things (IoT) and Smart Cities. This prolific embedding of computing power into almost everything addresses many of the Global Goals for Sustainable Development, improving our understanding of cities, industry and the environment. This gives rise to a series of benefits and brings a new paradigm of management and product lifecycle issues, especially as we scale to billions of devices. In this Special Issue, we are particularly interested in describing, defining and quantifying the potential problems with IoT deployments; looking at solutions, prototypes and demonstrators which address all of some aspects of the IoT lifecycle and their deployments; including mitigation techniques that will extend deployed hardware lifespans, promote hardware sharing and prevent the creation of huge volumes of e-waste.

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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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