



Smart Systems: Challenges, Enabling Technologies and Software Solutions

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Message from the Guest Editors

Our reality nowadays is being flooded with all kinds of smart systems, ranging from mundane mobile-based smart applications all the way up to industrial highly complex smart systems. Smart systems are used currently to address social, economic, personal, and environmental issues. The objectives are to increase efficiency and improve performance in addition to creating autonomous systems, thus reducing the need for human interventions whenever possible. Smart systems incorporate functions of sensing, actuation, analysis and control for describing and analyzing various situations, and consequently making decisions based on the available data in a predictive or adaptive manner. These decisions further result in smart systems performing smart actions. The focus of this Special Issue is on the challenges associated with smart systems; the enabling technologies in hardware devices, networking, sensing and control tools; and the software solution approaches including data analytics, decision making algorithms, optimization techniques, and intelligent algorithms.





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