

Special Issue

Intelligent Implementations in the Digitalized Real World

Message from the Guest Editors

As digital sensors become cheaper and more prevalent, the growing amount of available data helps to digitalize the real world while improving the requirement for the accompanied intelligent implementations, which are able to finish expected tasks qualitatively, efficiently and robustly. Firstly, compared with the human-designed implementations, the intelligent ones are adaptive to the different deployed environments. Secondly, different from the fixed strategies in conventional implementations, the intelligent ones are teachable; this ability of self-evolution helps to explore the more efficient solutions automatically. Thirdly, unlike the traditional implementations that fully focus on the available data, the intelligent ones have the ability of possible future prediction. In this Special Issue, we therefore propose a dedicated theme on “Intelligent Implementations in Digitalized Real World”, which aims to arouse the research attention on qualitative, efficient and robust intelligent solutions including, but not limited to, system design, framework implementation, data processing, task formulation, performance evaluation, theory reasoning and software design.

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Deadline for manuscript submissions

closed (18 March 2023)



Electronics

an Open Access Journal
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Impact Factor 2.6
CiteScore 6.1



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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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