



Intelligent Implementations in the Digitalized Real World

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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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Message from the Editor-in-Chief

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