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Intelligent Methods and Applications in Electronics

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Deadline for manuscript
submissions:

closed (23 November 2022)

Message from the Guest Editors

Intelligent methods associated with computational intelligence are nowadays used widely in different industrial environments. Despite the advantages intelligent methods offer over the statistical methods used traditionally, they still have not been utilised by the electronics industry on a large scale. This Special Issue therefore aims to provide a comprehensive overview of the current state of the art, analytical models, case studies, software and hardware solutions, data analytics through design methodologies and technical solutions or practical applications.

The topics of interest include, but are not limited to: Intelligent design of microelectronic and optoelectronic devices; Intelligent quality assurance of electronic devices; Intelligent software-defined networks; Intelligent network performance analysis; Intelligent network routing and capacity planning; Intelligent fulfilment of QoS requirements; Intelligent smart IoT applications; Intelligent cloud, edge and fog infrastructure; Intelligent electronics for quantum computing; Intelligent electronics for scientific experiments; Intelligent pattern recognition in audio and video.



mdpi.com/si/98888

Special Issue



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Message from the Editor-in-Chief

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