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Complex Data Processing Systems and Computing Algorithms: New Concepts and Applications

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Message from the Guest Editors

This Special Issue aims to collect high-quality timely contributions at the interface between modern data acquisition systems and new computing frameworks that are used to build and deploy intelligent integrated systems. This requires expert knowledge in various sub-domains that include, but are not limited to: advanced information technologies in environmental sciences, advanced instrumentation and data acquisition systems, advanced mathematical methods for data acquisition and computing systems, computational intelligence for instrumentation and data acquisition systems, computer systems for healthcare and medicine, data analysis and modeling, embedded systems, intelligent distributed systems and remote control, intelligent instrumentation and data acquisition systems in advanced manufacturing for Industry 4.0, Internet of Things, pattern recognition, digital image and signal processing, virtual instrumentation systems, 5G network technologies and security, advanced automatic control and information technology, intelligent robotics and sensors, machine learning, smart building and smart city systems, wireless systems, cyber-physical systems, and IoT dependability and resilience.

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