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AI and Quantum Computing for Big Data Analytics

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Message from the Guest Editors

Now, sensor data is everywhere and it is important to gain meaningful insights from these data and also to save these data for future analyses. However, it is becoming difficult to apply computing techniques to these big data. With the help of AI (ML/ANN/DL), complex computation problems can be analyzed and done at greater speeds; for example, classification or clustering or prediction methods can be used on these large data sets to perform tasks at incredibly faster paces, especially with high-computing GPUs. We are almost approaching an era where there is no artificial intelligence without big data.

Real-time, rapid analysis are needed. This has propelled AI and machine learning and allowed the transition to a data-first approach. Quantum computing is going to play a vital role in the decades to come, as this computing mechanism can support massive data processing. Self-replicating AI create algorithms to solve complex big data problems quickly with the aid of ML, which could benefit quantum computing technology to leap forward to next BIG THING of 2020.

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Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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