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Convolutional Neural Network Design and Hardware Implementation for Real-Time Vision Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editor

General topics covered in this Special Issue include, but are not limited to:

- FPGA-based hardware acceleration of vision algorithms;
- GPU-based acceleration of vision algorithms;
- Embedded vision sensors for applications that require real-time performance;
- CNN architecture optimizations for real-time performance;
- CNN acceleration through approximate computing;
- GPU-based implementations for real-time CNN performance;
- FPGA-based implementations for real-time CNN performance;
- Real-time CNN performance on resource limited systems;
- CNN applications that require real-time performance;
- Tradeoff analysis between speed and accuracy in CNNs.

Welcome to contribute!

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Message from the Editor-in-Chief

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