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Analog and Digital Circuit Design Techniques and Systems for Machine Learning

Guest Editor:

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Deadline for manuscript submissions:
closed (31 January 2020)

Message from the Guest Editor

The aim of this Special Issue is to seek high-quality contributions that highlight circuit and system level techniques to improve energy, throughput, and security of machine learning systems for emerging applications. The topics of interest include but are not limited to:

1. Analog signal processing circuits and algorithms for machine learning applications;
2. Machine learning circuits for wearable health monitors;
3. Machine learning architectures and circuits using emerging devices and circuits, e.g., non-volatile memory devices, compute-in-memory, etc.;
4. Neuromorphic computing, e.g., spiking neural networks;
5. Advances in system design and machine learning to improve performance and security;
6. Circuit design for low-cost recurrent neural networks, including echo states.

Welcome to contribute!

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Message from the Editor-in-Chief

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