Computing Systems for Embedded Deep Learning

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Deadline for manuscript submissions:
closed (20 March 2024)

Message from the Guest Editors

This Special Issue aims to collect recent research with a focus on deploying DNNs in embedded computing systems. Potential topics include, but are not limited to:

- DNN models for embedded systems;
- Optimization of DNN models for embedded computing;
- Quantization and sparsification of DNN models;
- Implementation of DNN in embedded GPUs;
- Implementation of DNN in low-cost computing platforms;
- Reconfigurable architectures for DNN in embedded systems;
- Very low-power embedded platforms for DNNs;
- Coarse-grained reconfigurable architectures for embedded deep learning;
- Design methodologies for DNN on embedded systems;
- Design of DNN for IoT devices;
- Software tools to help design smart embedded systems;
- Applications of DNN on health, smart homes, smart cities, security, surveillance, etc.;
- Smart embedded systems for industrial IoT;
- Designing DNN for robotics.

Special Issue

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Message from the Editor-in-Chief

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