Special Issue

Embedded Systems and Software for Deep Learning

Message from the Guest Editors

In recent years, deep learning has become popular in various applications, including AR/VR, games, computer vision, natural language processing, and so on. Especially, deep learning has been used as a major application for embedded systems such as smartphones and IoT systems. The aim of this Special Issue is to excavate new meaningful manuscripts on advanced power- and energy-aware deep learning techniques for embedded systems. The key focus is to present some insights about hardware, compilers, OS, applications, models, etc., in order to achieve high power and energy saving with little performance loss while various deep learning applications run in embedded systems. In this Special Issue, original research articles and reviews are welcome. Topics may include but are not limited to the following:

- Embedded systems/software/tools for deep learning;
- Optimizations for embedded deep learning;
- Code generation for embedded deep learning;
- Execution engine/OS support for embedded deep learning;
- Low-power and energy technologies for embedded deep learning;
- Deep learning, AR/VR, image processing acceleration techniques for embedded systems.

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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