

## Special Issue

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

### 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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### Guest Editor

Prof. Dr. Dah-Jye Lee

Department of Electrical and Computer Engineering, Brigham Young University, Provo, UT 84602, USA

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### Deadline for manuscript submissions

closed (31 October 2019)



## Electronics

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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.

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### Editor-in-Chief

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