Special Issue

Deep Learning Control for Sensors and IoT Applications

Message from the Guest Editors

With the aid of digital signal processing (DSP) and artificial intelligence (AI), supported by recent developments in nanotechnology, wonderful progress has been achieved in modernizing the magnificent fields of linear and nonlinear control. The emerging field of deep learning (DL) is currently leading a revolution in analyzing complex systems in various fields. Deep learning is giving hope in creating novel strategies for handling challenging problems of linear and nonlinear control systems and their emerging applications arising from the growing integration of control with modern technologies such as IoT communications and electronic sensing. Knowing that systems such as wireless sensor networks (WSNs), which are the backbone of IoT, are confronted by limited storage, power, and computation capabilities, the task of control in such environments would be more challenging, as the ordinary complex DSP and DL techniques might have to be reconsidered. This Special Issue aims to present state-of-the-art control strategies in the fields of sensors, WSNs, and IoT-related applications.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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