Special Issue

Analyzation of Sensor Data with the Aid of Deep Learning

Message from the Guest Editors

The appearance of deep learning caused a great breakthrough in several research fields. The idea of using deep networks with new types of layers was very interesting to researchers because these techniques can automatically build high-level representations of the raw information. The recent developments in hardware technology resulted in the lightweight deep models being hardware implementable on various embedded systems frameworks. Therefore, the data that come from sensors can be analyzed not just on the “server” side but also in the edge (or sensing) device. The aim of this Special Issue is to encourage researchers to present original research results on the analyzation of sensor data with the aid of deep learning.

Guest Editors

Dr. József Sütő

1. Department of IT Systems and Networks, University of Debrecen, 4028 Debrecen, Hungary
2. Department of IT, Eszterházy Károly Catholic University, 3300 Eger, Hungary

Prof. Dr. Stefan Oniga

Department of Electric, Electronic and Computer Engineering, Technical University of Cluj-Napoca, Baia Mare 430122, Romania

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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