

Special Issue

Machine Learning Based Feature Recognition and Image Processing in Sensing

Message from the Guest Editor

Recently, we have seen a growing interest in the potential use of Feature Recognition and Image Processing. Feature Recognition (FR) is a technique to identify and extract application-specific information from input models for downstream engineering activities. Image feature recognition is an important area of artificial intelligence, aimed at recognizing targets and objects in various modes. Machine learning (ML) is a field of inquiry devoted to understanding and building methods that 'learn'. It is the method that leverages data to improve performance on some set of tasks and allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so. Benefiting from the excellent ability of feature learning, machine learning has achieved good results in the field of feature recognition. This Special Issue, therefore, aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of machine learning-based feature recognition.

Guest Editor

Prof. Dr. Dan Zeng

School of Communication and Information Engineering, Shanghai University, Shanghai 200444, China

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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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