Special Issue

AI Models for Human-Centered Computer Vision and Signal Analysis

Message from the Guest Editor

Signal, image, and video analysis dealing with the detection, recognition, and identification/verification of humans and human-related events, such as gestures, actions, or speech, has over the years moved from sole academic interest into industrial research and technological practice. This process results in steady improvements of sensors and fast-growing power of computational hardware and in maturing of computational techniques. Aim of the Special Issue is to present AI-based techniques, both classic machine learning and deep learning models, for the analysis of human-related digital data (e.g., processing, segmentation, feature extraction, and object/fake/fraud/health detection/classification/identification) acquired by various sensors (cameras, microphones, or touch) and wearable sensors or medical devices. Research area may include (but not limited to) the following:

- Biometrics.
- Human pose and action classification.
- Human–machine interaction by gestures and voice.
- Human sensor acquisition and data analysis.
- Fake detection in image, speech, and video.
- Surveillance video analysis.
- Security related data analysis.
- Wearable signal analysis.
- Health monitoring.

Guest Editor

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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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