Human-Centric Sensing Technology and Systems

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Human-centric sensing plays a crucially important role in the domains of smart-home and office environments, including safety protection, well-being monitoring/management, healthcare, and smart-appliance interaction. However, sensor technologies have several limitations relating to deployment cost, usability, and adherence issues, which render them unacceptable for practical use.
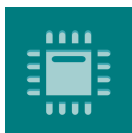
Recent novel technologies have shown the potential of reusing wireless signals (such as WiFi, mmWave, RFID, LoRa, acoustic, light, and radiofrequency) or environmental infrastructures originally designed for lighting or data transmission to sense human activities. Such studies thereby realize a set of emerging applications, ranging from intrusion detection, daily activity recognition, and gesture recognition to monitoring of vital signs and user identification, involving even finer-grained motion sensing.

The Guest Editors encourage submissions of papers addressing physical models, technologies, and applications of human-centric sensing. Manuscripts should provide content that is accessible to general audiences working in the field of sensing systems.

mdpi.com/si/105448

Special Issue

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Message from the Editor-in-Chief

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