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Activity Recognition Using Constrained IoT Devices

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Deadline for manuscript
submissions:

closed (15 July 2021)

Message from the Guest Editors

Dear Colleagues,

Understanding human behavior in an automatic and non-intrusive manner constitutes an important and emerging area of research within pervasive systems. This Special Issue seeks to bring together innovative research solutions in the area of behavioral modeling specifically for constrained devices. Authors are invited to submit original articles across the full development stack (hardware, system, software and applications), including architectures, techniques, tools and approaches on the device modelling of human behaviors. This may include, but is not limited to, new and novel sensing modalities (audio, vision, environment, health), strategies for data collection, annotation and labelling, personalization, sensor fusion, computational constraints reduction, extreme energy efficiency, model optimization, and federated learning, as well as examining the performance of these solutions in real-world settings with diverse populations.

Dr. Ian Cleland

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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