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Sensor Data Processing for Social Reasoning and Artificial Empathy in Human-Centred Systems

Guest Editors:

Dr. Erhan Ekmekcioglu

Institute for Digital Technologies, Loughborough University London, London E15 2GZ, UK

Dr. Yücel ÇİMTAY

Department of Computer Engineering, TED University, Ziya Gökalp Caddesi No:48 06420, Kolej Çankaya, Ankara, Turkey

Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

Areas of application for human-centred design vary in a wide spectrum. One of the key prospects in truly humancentred systems, which embed human-to-robot or humanto-agent interaction, whether in physical, digital, or virtual reality environments, is that they will feature higher degrees of understanding of the human cognitive and emotional processes, as well as interaction patterns. This is so that they do empathetic and social reasoning and interact with humans accordingly. The goal of this Special Issue is to gather the results from recent research activities towards the creation of human-centred systems, which may integrate various forms of human-to-agent or humanto-robot interaction and novel interfaces (e.g., braincomputer interfaces). Emphasis will be on real-time processing of multimodal sensor data, human behaviour, cognition, and emotional decoding using advanced predictive models, artificial empathy, and human-centred collaboration design. It is expected to receive papers presenting novel algorithms, system architectures, and emerging applications in this area.













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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

Message from the Editor-in-Chief

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