

sensors



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Sensing for Social Robots

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Message from the Guest Editors

Dear colleagues,

Social robots are getting ubiquitous, posing growing pressure on the robotics community to deliver these artificial entities able to play interesting roles in society. Robot skills are, slowly but surely, approaching humans', i.e., to mimic and further extend humans' typical skills. Hence, in addition to sensing matching human senses, there is a drive to develop novel sensors and processing techniques for the data produced.

The challenges for the sensors community are huge, ranging from materials to operation principles, mathematical models, sensor fusion, perception, and artificial intelligence, as well as hardware and software aspects. In addition, networked social robotics extends the possibilities of sensor architectures. Sensor uncertainties may even remain in the background of those intrinsic to social concepts, not affecting prospective robot skills. The importance of sensing in the context of social robots is thus clear.

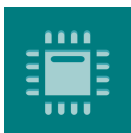
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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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