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Multimodal Interaction and Smart Homes

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Message from the Guest Editors

Dear Colleagues,

Smart homes and smart environments are encountering fast development in many fields, from safety to energy optimization without forgetting health and telemonitoring. The focus of this special issue is on the way that the smart home can become even smarter and interact correctly with the human being that uses it. To perform this interaction, a specific analysis of all the traces available (sensing at every moment, information available on the person, feedback that can be given by the user, etc.) have to be performed.

Authors are encouraged to submit original research articles, works in progress or surveys/reviews. Topics of interest include (without being limited to):

- Adapted sensing for interaction
- Sensor interpretation
- Profiling, adaptation algorithms
- Feedback analysis
- Adapted recognition systems
- Multi-agent-based environments
- Software systems and materials for interaction
- Application of smart sensing and acting to specific population or problem



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