

Special Issue

Multisensor and Multimodal Datasets in Intelligent Home for Context-Awareness, Human Home Interaction and Dialogue

Message from the Guest Editors

Intelligent home systems rely on sensor information and models of the underlying user behaviour to reason about the needs of the users and assist them in their everyday activities, the high quality large-scale datasets is necessary. While datasets and the process of collecting and annotating them are highly developed in some fields, this data collection process is less systematic. This call encourages submissions reporting methodological or experimental studies about ground truth labelled multisensor corpus collections. The topics of interest include but are not limited to:

- Methods and intelligent tools for ecological corpus collection in intelligent or the general houses;
- Multimodal corpora (microphones, video cameras and any other sensors) made publicly available to the community;
- Processes of and best practices in collecting ecological user data;
- Improving and evaluating the quality of annotations;
- Ethical and privacy issues in data collection in home;
- Overview of currently available corpora in smart home;
- Synthetic data generation for improving models learning;
- Machine learning techniques to re-use mismatched data.

Guest Editors

Dr. François Portet

Dr. Kristina Yordanova

Dr. Hirohiko Suwa

Dr. Emma Tonkin

Deadline for manuscript submissions

closed (31 March 2021)



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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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