



MULTI LEARN 2017

multimodal processing, modeling and learning for human-computer/ robot interaction

<https://multilearn2017.com>

In conjunction with EUSIPCO'17: 28 Aug. 2. Sep.'17

With this workshop we plan to bring together researchers from different disciplines around signal processing, machine learning, computer vision and robotics with application in HRI/HCI fields, as related to multimodal and multi-sensor processing. Researchers are called to present their latest advances and discuss novel approaches. Emphasis will be given in new ideas across the interdisciplinary areas mentioned above in the context of multimodality.

Important dates

Submission: 8th Jun.'17

Notification: 8th Jul.'17

Camera-ready: 20th Jul.'17

Workshop: 2nd Sep.'17

Organizing Committee

V. Pitsikalis, NTUA, GR

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A. Zlatintsi, NTUA, GR

X. Papageorgiou, NTUA, GR

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This workshop is supported by the EU-funded H2020 projects I-Support (<http://www.i-support-project.eu>) and Baby-Robot (<http://www.babyrobot.eu>).

List of topics (not limited to):

Gesture recognition

Action and complex activities recognition

Deep learning

Spatiotemporal action localization

Sign language analysis and recognition

Facial expression modelling and recognition

Human body pose estimation, tracking

3D hand tracking

3D Face modelling and analysis

Object detection and tracking

Vision-based Human Computer/Human Robot Interaction

Visual fusion of manual and non-manuals

Multimodal emotion recognition

Affective computing

Human behaviour analysis, modeling, and recognition

Multi-view subspace learning

Multiview/multimodal invariance learning

Audio-visual behaviour analysis

Multimodal sensory processing and fusion

Multimodal HRI

Music and audio in multimodal applications

Multimodal HRI for educative applications

Physical human-robot interaction

Human-aware interaction control of assistive robots

Cognitive robot control architectures

Context and intention awareness

Corpora, datasets and annotations

Human-robot communication in assistive robotics

Elderly care mobility assistive robots

Assistive applications for children in the autism spectrum

Learning for Human-Robot interaction

Performance and task monitoring during Human-Robot interaction

Time series modeling and classification

