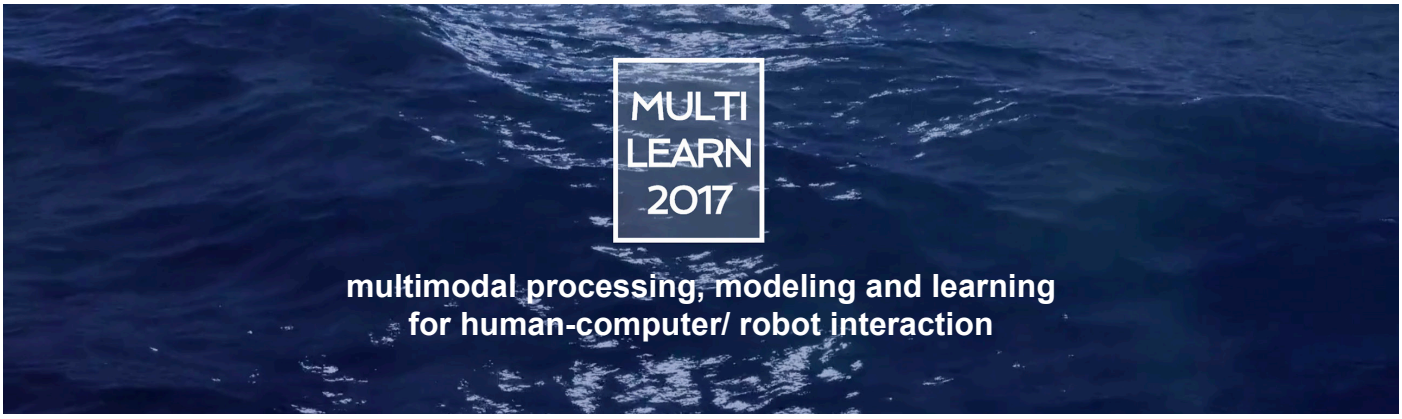

https://multilearn2017.com
In conjunction with EUSIPCO'17: 28 Aug. 2. Sep.'17

With this workshop we plan to bring together researchers from different disciplines around signal processing, machine learning, computer vision and robotics with application in human computer/robot interaction (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 for multimodal recognition
- Sequential modeling with deep learning
- Spatiotemporal action localization
- Sign language analysis and recognition
- Facial expression modelling and recognition
- Human body pose estimation and tracking
- Hand tracking
- 3D Face modelling and analysis
- Object detection and tracking for HCI/HRI
- 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