

Multi-modal ChaLearn Gesture Recognition Challenge

<http://gesture.chalearn.org/>



ChaLearn organizes in 2013 a challenge and workshop on multi-modal gesture recognition from audio and RGB-D video data in conjunction with the 15th ACM International Conference on Multimodal Interaction. We have already released the training data at:

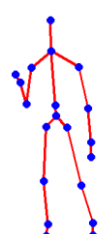
<http://gesture.chalearn.org/mmdata>

The challenge features a **quantitative evaluation** of automatic gesture recognition from a multi-modal dataset recorded with **Kinect** (providing RGB images of face and body, depth images of face and body, skeleton information, joint orientation and audio sources), including around **14,000 Italian gestures from several users**.

The emphasis of this edition of the competition will be on multi-modal automatic learning of a **vocabulary of 20 types of Italian anthropological/cultural gestures performed by different users**, with the aim of **performing user independent continuous gesture recognition combined with audio information**.

Additionally, **live demos/systems of applications based on multi-modal gesture recognition techniques are invited to be presented during the workshop as well**. Also, **demos using data from different modalities and different kind of devices are welcome**. The deadline of a two-page summary of the live demo proposal is July 15, 2013. The demos will be evaluated in terms of multi-modality, technical quality, and applicability.

Top ranked participants will be awarded and invited to follow the workshop submission guide for inclusion of a description of their system at the ICMI proceedings and **submit an extended paper in a special issue on gesture recognition at a high-impact factor journal**.



Important Dates for the Quantitative Participation

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Release of Validation Data: **June 3, 2013**
Release of Test Data: **August 1, 2013**
End of competition: **August 15, 2013**
Release of top ranked results: **Sept. 1, 2013**
Workshop paper submission: **Sept. 15, 2013**
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Important Dates for the Qualitative Participation

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Deadline of a two-page summary of the live demo proposal: **July 15, 2013**
Acceptance notification of demos for qualitative competition: **July 25, 2013**
Submission of additional and supplementary information for demos: **July 30, 2013**
Round 1 evaluation of demos (just for feedback, final evaluation is performed at the first day of the workshop): **August 15, 2013**
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Important Dates for workshop paper submission

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Workshop paper submission deadline (top 3 ranked quantitative and qualitative participants will be invited to submit their contribution as a paper submission to the workshop): **September 15, 2013**
Notification of workshop paper acceptance: **September 30, 2013**
Camera ready of workshop papers: **October 7, 2013**
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Organizing committee:

Sergio Escalera, CVC, UB
Jordi González, CVC, UAB
Isabelle Guyon, Berkley
Xavier Baró, CVC, UOC
Miguel Reyes, CVC, UB
Oscar Lopes, CVC
Thomas B. Moeslund, Aalborg
Vassilis Athitsos, Texas
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