



Multi-modal ChaLearn Gesture Recognition Challenge and Workshop

<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 (Qualitative and Quantitative competition and workshop on 8-9th December 2013, Sidney, Australia <http://icmi.acm.org/2013/>). We have already released the training data at:

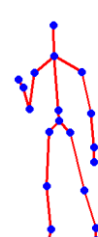
<http://gesture.chalearn.org/mmdata>

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
 Pat Jangyodsuk, Texas
 Hugo Jair Escalante, INAOE

