



## Joint Contest on Multimedia Challenges Beyond Visual Analysis @ICPR2016

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<http://chalearnlap.cvc.uab.es/>

We organized an academic competition and workshop at ICPR2016 that focused on four problems that require effective processing of multimodal information in order to be solved. Two tracks were devoted to gesture spotting and recognition from RGB-D video, two fundamental problems for human computer interaction. Another track was devoted to a second round of the first impressions challenge of which the goal was to develop methods to recognize personality traits from short video clips. For this second round we adopted a novel collaborative-competitive (i.e., *cooperation*) setting. The fourth track was dedicated to the problem of video recommendation for improving user experience under a certain watching situation. The challenge was open for about 45 days, and received outstanding participation: almost 200 participants registered to the contest, and 20 teams sent predictions in the final stage. Results and winners of the contest were presented at ICPR, overall the workshop had the participation of 11 speakers with published papers in the proceedings and three outstanding keynote speakers: Alberto del Bimbo, Fabio A. González and L. Enrique Sucar. The contest was supported by three organizations with vast experience and prestige in the organization of academic contests, namely: Chalearn<sup>1</sup>, MediaEval<sup>2</sup> and ImageCLEF<sup>3</sup>. The contest was also supported by the IAPR TC-12<sup>4</sup> on visual and multimedia information systems. The main goals of the challenge were fulfilled: the state of the art was advanced considerably in the four tracks, with novel solutions to the proposed problems (mostly relying on deep learning). However, further research is still required. The data of the four tracks will be available to allow researchers to keep making progress in the four tracks. Keep in touch with the ChaLearn LAP website for further events on looking at people. Please check the overview paper for further details: H.J. Escalante et al. **ChaLearn Joint Contest on Multimedia Challenges Beyond Visual Analysis: An overview**. *Proc. of ICPR Workshops, 2016*.

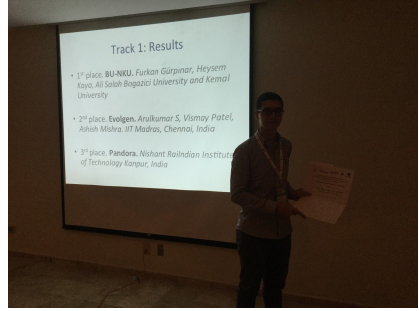
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<sup>1</sup> <http://chalearn.org/>

<sup>2</sup> <http://www.multimediaeval.org/>

<sup>3</sup> <http://www.imageclef.org/>

<sup>4</sup> <http://iapr-tc12.info/>



### Track 1: Results

- 1<sup>st</sup> place: BU-NUU, Furkan Gürgöner, Heysem Kaya, Ali Salih Bogaççi University and Kemal University
- 2<sup>nd</sup> place: Evolgen, Anulkumar S. Vijayar Patel, Aakash Mishra, IIT Madras, Chennai, India
- 3<sup>rd</sup> place: Pandara, Nishant Ralindian Institute of Technology Kanpur, India