

More IAPR Technical Committee News



IAPR TC12 Multimedia and Visual Information Systems

<http://iapr-tc12.info>

[Henning Müller](#), Chair

[Sergio Escalera](#) and [Martha Larson](#), Vice Chairs

IAPR TC12 has had several ongoing activities in the past and coming months that are described below.

The ImageCLEF benchmark was organized and a workshop was held in Evora, Portugal, in September 2016 (<http://www.imageclef.org/>). The MediaEval benchmark was also organized with a workshop in Amsterdam in October 2016 (<http://www.multimediaeval.org/>).

The third edition of the Challenges in Machine Learning (CiML) workshop (<http://ciml.chalearn.org/>), will be held at NIPS 2016 in Barcelona, and it will focus on the exploration of the opportunities that challenges offer as teaching tools:

1. benefits and limitations of challenges to give students problem-solving skills and teach them best practices in machine learning;
2. challenges and continuous education and up-skilling in the enterprise;
3. design issues to make challenges more effective teaching aids;
4. curricula involving students in challenge design as a means of educating them about rigorous experimental design, reproducible research, and project leadership.

This year several invited speakers will discuss these topics, including Henning Muller, IAPR TC-12 Chair. The event is organized, among others, by Prof. Isabelle Guyon and IAPR TC-12 Vice-Chair Dr. Sergio Escalera.

In the 2016 ChaLearn Looking at People challenge that was organized in collaboration with IAPR TC-12, the first impressions of people were a main topic. For ECCV, the participants developed solutions for recognizing personality traits of users in short video sequences containing audio-visual information. A large dataset was collected, sponsored by Microsoft, with 10,000 15-second videos from YouTube, annotated with personality traits by AMT (Amazon Mechanical Turk) workers. The traits corresponded to the “big five” personality traits used in psychology and well known to hiring managers using standardized personality profiling: Extraversion, Agreeableness, Conscientiousness, Neuroticism, and Openness to experience. For ICPR, in addition to personality trait recognition, the competition also included additional tracks in the topics of large scale gesture recognition and context experience. Detailed descriptions of the topic and results of the challenges organized at ICPR 2016 can be found in [1] and in (<http://gesture.chalearn.org/>). The competitions and workshops were co-organized, among others, by Prof. Isabelle Guyon, Dr. Hugo Jair Escalante, Dr. Sergio Escalera, Prof. Henning Müller, and Prof. Martha Larson, from ChaLearn, ImageCLEF, MediaEval and IAPR TC-12.

[1] Hugo Jair Escalante, Víctor Ponce, Jun Wan, Michael Riegler, Baiyu Chen, Albert Clapés, Sergio Escalera, Isabelle Guyon, Xavier Baro, Pal Halvorsen, Henning Müller, and Martha Larson, [ChaLearn Joint Contest on Multimedia Challenges Beyond Visual Analysis @ ICPR 2016](#).

