IEEE Transactions on Affective Computing
Special Issue Call for Papers: Artificial Personality Analysis

Aims and scope

Automatic analysis of videos and any other kind of input data to characterize human behavior has become an area of active research with applications in affective computing, human-machine interfaces, gaming, security, marketing, health, and other domains. Research advances in multimedia information processing, computer vision and pattern recognition have lead to established methodologies that are able to successfully recognize consciously executed actions, or intended movements (e.g., gestures, actions, interactions with objects and other people). However, recently there has been much progress in terms of computational approaches to characterize sub-conscious behaviors, which may be revealing aptitudes or competence, hidden intentions, and personality traits. This special issue will compile progress on artificial personality analysis from a computational perspective.

Topics and guidelines

Manuscripts making **fundamental or practical** contributions on Artificial Personality Analysis are solicited, including, but not limited to, the following topics:

- Automatic personality analysis
  - Personality trait analysis,
  - Personality profiling,
- Social signal processing
  - Detection of nonverbal behavioral cues, including micro-expressions,
  - Inference of attitude from nonverbal cues,
  - Synthesis and generation of nonverbal behavioral cues,
- Affective computing in personality analysis
  - Emotion analysis for personality analysis
  - Adaptive systems based on emotion
- Applications of personality analysis
  - Health,
  - Security,
  - Forensics, criminology
  - Job interviews
  - Dating
  - Marketing.

This issue is inspired by a series of ChaLearn Looking at People events (see gesture.chalearn.org), including academic challenges and workshops organized at CVPR 2011, CVPR 2012, ICPR 2012, ICMI 2013, ECCV 2015, CVPR 2015, ICCV2015, CVPR 2016, and ECCV 2016. All papers will undergo the same rigorous TAC review process. Please refer to the TAC website for detailed instructions on paper submission: https://www.computer.org/web/tac

Important dates:

Submission system starts receiving submissions:	October, 15th, 2016
Paper submission deadline:	December, 15th, 2016
Acceptance/rejection notification:	April, 15th, 2017
Paper publication:	Late 2017

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