Affective Content Analysis and Applications of Large-Scale Multimedia Data

1. Scope and Topics

This ICIG 2019 special session aims to gather high-quality contributions reporting the most recent progress on affective content analysis of large-scale multimedia data and its wide applications. It targets a mixed audience of researchers and product developers from several communities, i.e., multimedia, machine learning, psychology, artificial intelligence, etc. The topics of interest include, but are not limited to:

- Affective content understanding of uni-modal text, images, facial expressions, and speech
- Emotion recognition from multi-modal physiological signals
- Emotion based multi-modal summarization of social events
- Affective tagging, indexing, retrieval, and recommendation of social media
- Human-centered emotion perception prediction in social networks
- Group emotion clustering and personality inference
- Psychological perspectives on affective content analysis
- Weakly-supervised/unsupervised learning for affective computing
- Deep learning and reinforcement learning for affective computing
- Domain adaptation for affective computing
- Fusion methods for multi-modal emotion recognition
- Benchmark dataset and performance evaluation
- Affective computing-based applications in entertainment, robotics, education, etc.

2. Paper Submission

Authors should prepare their manuscript according to the Guide for Authors of ICIG available at http://icig2019.csig.org.cn/?page_id=83 and submit their papers online (http://cmt3.research.microsoft.com/ICIG2019). All the papers will be peer-reviewed following the ICIG reviewing procedures. Manuscripts should not be published or currently submitted for publication elsewhere. Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere.

3. Paper Review Process

All the submitted papers to this special session would be reviewed by at least three

invited reviewers, who are competent and have experience in the areas of the subject matter of the papers. Referees are formal reviewers whose comments and opinions will form the basis upon which the special session chairs will decide whether or not to accept the papers. The chairs' decisions are always based on all of the reviews received, but mixed reviews present the need for the exercise of chairs' judgment. The review process shall ensure that all authors have equal opportunities for publication of their papers.

4. Session Chairs

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