



CALL FOR PAPERS - ACII2019, Cambridge, UK

8th International Conference on Affective Computing and Intelligent Interaction

<http://acii-conf.org/2019>

3-6 September, 2019

The Bi-annual Conference of the Association for the Advancement of Affective Computing (AAAC) is the premier international forum for research on affective and multimodal human-machine interaction and systems. ACII 2019 will be held in Cambridge, the home of the University of Cambridge, founded in 1209 and one of the top universities in the world. We envision 2019 to be the year by when the affective computing technologies leave their sheltered lab environments to become available and accessible to everyone in every domain, including industry, school, office, home, entertainment and even outdoor environments. Therefore, ACII 2019 will be based around the theme of **Affective Computing for ALL (AC4ALL)** and will focus on inclusive technology, inclusive design principles and inclusive user interfaces which "consider the full range of human diversity with respect to ability, language, culture, gender, age and other forms of human difference."

Important Dates

Paper submission: 12 April 2019

Abstract submission for special track: 12 April 2019

Notification of acceptance: 14 June 2019

Camera ready papers due: 12 July 2019

General Chairs

Hatice Gunes, Univ. of Cambridge, UK

Michel Valstar, Univ. of Nottingham, UK

Björn Schuller, Univ. of Augsburg, DE

Jonathan Gratch, Univ. of Southern California, USA

Program Chairs

Julien Epps, Univ. of New South Wales, AU

Nadia Berthouze, Univ. College London, UK

Rosalind Picard, MIT, USA

Andrea Kleinsmith, UMBC, USA

Workshop Chairs

Joost Broekens, Technical Univ. of Delft, NL

Ginevra Castellano, Uppsala Univ., SE

Doctorial Consortium Chairs

Oya Celiktutan, King's College London, UK

Guiltero Volpe, Univ. of Genoa, IT

Special Session Chairs

Mohammad Soleymani, Univ. of Geneva, CH

Jean-Claude Martin, LIMSI-CNRS, FR

Demo Chairs

Jeffrey M Girard, Carnegie Mellon University, USA

Laurence Devillers, LIMSI-CNRS, FR

Tutorial Chairs

Xiaojuan Ma, HKUST, CN

Khiet Truong, Univ. of Twente, NL

Publication Chairs

Carlos Busso, Univ. of Texas at Dallas, USA

Dongmei Jiang, Northwestern Poly. Univ., CHN

Alessandro Vinciarelli, Univ. of Glasgow, UK

Publicity Chairs

Shangfei Wang, Univ. of Science & Tech., CHN

Kostas Karpouzis, NTUA, GR

Local Organising Chairs

Marwa Mahmoud, Univ. of Cambridge, UK

Joy Egede, University of Nottingham, UK

Zixing Zhang, Imperial College London, UK

Industry & Sponsorship Chairs

Chloe Clavel, Telecom-ParisTech, FR

Shiro Kumano, NTT Com. Sci. Labs., JP

Catherine Pelachaud, CNRS-ISIR, FR

Finance Chair

Mercedes Torres, Univ. of Nottingham, UK

Registration Chair & Visas Chair

Joy Egede, University of Nottingham, UK

Proceedings will be published by the IEEE, and indexed in the IEEE Xplore Digital Library. A selection of the best articles at ACII2019 will be invited to submit extended versions to a "Best of ACII" special issue of IEEE's premier journal, Transactions on Affective Computing.

The general conference topics include:

Psychology & Cognition of Affect in Designing Computational Systems

- ✓ Computational Models of Emotional Processes
- ✓ Issues in Psychology & Cognition of Affect in Affective Computing Systems
- ✓ Cultural Differences in Affective Design and Interaction
- ✓ Ethical Issues in Affective Computing
- ✓ **Inclusive** Design

Recognition and Synthesis of Human Affect from ALL Modalities

- ✓ Facial and Body Gesture Recognition, Modelling and Animation
- ✓ Affective Speech Analysis, Recognition and Synthesis
- ✓ Affective Text Processing and Sentiment Analysis
- ✓ Recognition and Synthesis of Auditory Affect Bursts (Laughter, Cries, etc.)
- ✓ Motion Capture for Affect and Mental State Recognition
- ✓ Affect and Mental State Recognition from Alternative Modalities (Physiology, EEG, etc.)
- ✓ Multimodal Data Fusion for Affect and Mental State Recognition
- ✓ Synthesis of Multimodal Affective Behavior
- ✓ Creating **models for user diversity** (Ability, language, culture, gender, age)

Affective Interfaces for ALL

- ✓ **Inclusive**, affective user interfaces
- ✓ Design of Affective Loop and Affective Dialogue Systems
- ✓ Human-Centred Human-Behaviour-Adaptive Interfaces
- ✓ Interfaces for Attentive & Intelligent Environments
- ✓ Mobile, Tangible and Virtual/Augmented Multimodal Proactive Interfaces
- ✓ Distributed/Collaborative Multimodal Proactive Interfaces
- ✓ Tools and System Design Issues for Building Affective and Proactive Interfaces
- ✓ Evaluation of Affective, Behavioural, and Proactive Interfaces

Affective, Social and Inclusive Robotics and Virtual Agents

- ✓ Emotion in Robot and Virtual Agent Cognition and Action
- ✓ Embodied Emotion
- ✓ Biologically-Inspired Architectures for Affective and Social Robotics
- ✓ Developmental and Evolutionary Models for Affective and Social Robotics
- ✓ Models of Emotion for Embodied Conversational Agents
- ✓ Personality in Embodied Conversational Agents
- ✓ Memory, Reasoning, and Learning in Affective Conversational Agents

Affective Databases and Annotation Tools

Applications (e.g., Health, Education, Entertainment, Consumer Products)

Special Tracks: ACII2019 will also include the following multidisciplinary tracks

- ✓ Neural and Psychological Models of Affect
- ✓ Technological and Biological Bodies in Dialogue: Multidisciplinary Perspectives on Bodily, Affective and Social Perception