

Special Session organizer

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Important Dates

April 31, 2017:

Deadline for submission of full-length papers to special sessions.

June 30, 2017:

Acceptance/Rejection Notification.

July 9, 2017:

Final cameraready papers due in electronic

Submission

Manuscripts for a Special Session should NOT be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2017 main conference online submission system on SMC 2017 conference website.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper). The technical reviewers for each Special Session paper will be members of the SMC 2017 Program Committee and qualified peer-reviewers to be nominated by the Special Session



SMC 2017 SPECIAL SESSION CALL FOR PAPERS

SPECIAL SESSION ON AFFECTIVE, PSYCHOLOGICAL AND PHYSIOLOGICAL COMPUTING

2017 IEEE International Conference on Systems, Man, and Cybernetics, October 5–8, 2017, Banff Center, Banff, Canada

<http://www.smc2017.org>

Introduction

The affective, psychological and physiological computing is proposed as a novel multidisciplinary science based on psychology, physiology and human affective processes, integrating computer science, cognitive neuroscience, neuropsychology, physiology, psychiatry, and biomedical engineering. The research interests of it include studies in multimodal indices, like MRI, PET, MEG, ERP, EEG, ECG, SP, respiration, behavior, etc., and other physiological effects of mentation under different mental states as well as human emotions and related affective phenomena. The focal objective of the special session is to discuss the technological and scientific development in affective, psychological and physiological computing in recent years.

Indicative Topics/Areas

Agent-Based Modeling
Artificial Immune Systems
Artificial Life
Biometric Systems and Bioinformatics
Computational Intelligence
Computational Life Science
Cybernetics for Informatics
Evolutionary Computation
Expert and Knowledge-Based Systems
Information Assurance & Intelligent Multimedia Computation
Heuristic Algorithms
Hybrid Models of NN, Fuzzy Systems and Evolutionary Computing
Image Processing/Pattern Recognition
Fuzzy Systems and their applications
Intelligent Internet Systems
Knowledge Acquisition in Intelligent
Machine Learning
Machine Vision
Media Computing
Medical Informatics
Neural Networks and their Applications
Optimization
Self-Organization
Swarm Intelligence

Technical Committee on Computational Psychophysiology

<http://www.ieeesmc.org/technical-activities/cybernetics/computational-psychophysiology>