

BRAIN INFORMATICS 2019

December 13-15, 2019, Haikou, Hainan, China



International Workshop on Computational Neuroaesthetics

Call for Papers and Abstracts

Introduction

Beauty exists in our daily lives and aesthetic experience is fundamental for us to perceive and appraise the beauty around us. Neuroaesthetics, a fascinating field, attracts many researchers to devote to unravel the neural mechanism in aesthetics. Advanced brain imaging and modulation techniques such as EEG, MEG, rTMS, and functional MRI could monitor brain activity changes in different regions with high temporal and spatial resolution, providing great opportunities on exploring the neural mechanism in aesthetics. With increasing data acquired from brain imaging techniques, new computational approaches and machine learning algorithms are required to analyze the data and facilitate our understanding on neuroaesthetic. Besides, computational modeling of neural mechanism in aesthetics is believed as a key to provide solutions on the challenge issues in computational neuroaesthetic evaluation and machine creativity in artificial intelligence. Computational Neuroaesthetic, as an inter-discipline area, combines psychology, cognitive neuroscience, mathematics, and artificial intelligence together to lead a comprehensive understanding and modeling on mechanisms underlying neuroaesthetics.

The goal of this workshop is to take a stock of the recent progress in neural mechanism and computational model of neuroaesthetics, and provide a forum for the exchange of ideas from various disciplines including psychology, cognitive neuroscience, and artificial intelligence.

Topics of Interests

The topics include, but are not limited to:

- New models and theories of neuroaesthetics
- Brain imaging studies of neuroaesthetics

- Brain network and graph theory on neuroaesthetics
- Machine learning and data analyzing on neuroaesthetics
- Computational modeling of neuroaesthetics in computational aesthetic evaluation
- Computational modeling of neuroaesthetics in machine creativity

Submissions and Publication

Similar to the main conference of BI 2019, we welcome two types of paper submissions:

- Type I : Full Paper Submissions. Authors should submit their full papers with a maximum paper length of up to 10 pages in Springer LNCS format using our online submission system (https://wi-lab.com/cyberchair/2019/bi19/scripts/submit.php?subarea=S06&undisplay_detail=1&wh=/cyberchair/2019/bi19/scripts/ws_submit.php). The accepted and presented papers will be published by Springer as a volume of the series of LNCS/LNAI.
- Type II: Abstract Submissions. Abstracts have a word limit of 500 words. Experimental research is particularly welcome. Accepted abstract submissions will be included in the conference program and will be printed out as a single, collective Abstract Note.
Submit your abstracts via https://wi-lab.com/cyberchair/2019/bi19/scripts/submit.php?subarea=S06&undisplay_detail=1&wh=/cyberchair/2019/bi19/scripts/ws_submit.php

All submissions will be reviewed by at least two reviewers who will give detailed comments. If the submission gets accepted, the authors will submit a revised (“camera-ready”) version that takes into account this feedback.

Important Dates:

- July 20th, 2019: Submission deadline for workshop/special session/tutorial proposals (Extended)
- July 25th, 2019: Notification of workshop/special session proposal acceptance (Extended)
- August 4th, 2019: Submission deadline for full papers (Extended)
- August 4th, 2019: Submission deadline for workshop/special session papers (Extended)

- September 6th, 2019: Notification of full paper acceptance
- October 8th, 2019: Submission deadline for abstracts (Extended)
- October 28th, 2019: Notification of abstract acceptance
- December 13th, 2019: Tutorials, workshops and special sessions
- December 14th - 15th, 2019: Main conference

Session Chairs:

Junsong Zhang

Central China Normal University, China

Rui Li

Xiamen University, China

For more information, please go to <http://wi-consortium.org/conferences/bi2019/index.html>

We look forward to seeing you in Haikou, China, 2019