The 1st International Workshop on Computational Brain Image Analysis and Genomics (CBIAG)

Call for Papers and Abstracts

Introduction

The special session is aimed to gather and review the state-of-the-art computational methods for brain image analysis and genomics, including the analysis of brain function, structure and its genetic basis. The session will contribute to the field by discussing exciting research and methods in analyzing brain image, as well as its genetic basis. This session will also be broadening our thinking about the computational methods that facilitate biology discoveries and clinical applications, and investigating cutting-edge software tools for brain image analysis and genomics.

The special session invites researchers and scientists to submit their high-quality and original work in all areas of brain informatics and brain image analysis, which are focused on the investigation of computational and informatics strategies for revealing the brain function, structure and genetic basis of normal and/or abnormal function of the nervous system to advance both brain informatics and medical image analysis.

Topics of Interests

The topics include, but are not limited to:

- Machine learning methods for fMRI or sMRI analysis

- Brain Network identification from fMRI

- Neurogenetics of imaging phenotypes

- Brain imaging genomics

- Deep learning methods for fMRI data

- Big data mining methods for fMRI data

- Neurogenetics of cognitive and behavior data

- Neurogenetics of multi-omics data

- Systems biology in neurogenetics

- Text and literature mining for fMRI data

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=S09&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=S09&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:

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

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