Special Session on Imaging Brain Networks in Psychiatric Disorders

Call for Papers and Abstracts

Introduction

Remarkably increasing the worldwide prevalence of psychiatric disorders heavily burdens the global society of medication and finance. Patients with psychiatric disorders are often accompanied by affective, cognitive, and somatic symptoms, and these phenotypes are evidenced to be significantly associated with biological predispositions, particularly the dysconnections in the brain networks. Recent advances in multimodal imaging techniques and state-of-the-art big data analysis strategies provide unprecedented opportunities to explore structural and functional brain changes in psychiatric disorders. This special session is focused on utilizing brain imaging big data to enhance the understanding of pathophysiological mechanisms of network dysfunctions in psychiatric disorders.

Topics of Interests

The topics include, but are not limited to:

- Methodological evaluations (e.g. multisite data and reproducibility) of brain imaging in psychiatric disorders

- Transdiagnostic and specific disruptions of brain networks across psychiatric disorders

- Genetic and environmental effect on brain networks in psychiatric disorders

- Developing diagnostic biomarkers of psychiatric disorders using machine learning algorithms

- Using imaging connectomics approaches to guide and assess treatment strategies in psychiatric disorders

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=S10&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=S10&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:

Mingrui Xia

Beijing Normal University, China

Fei Wang

China Medical 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