

# IEEE BHI-BSN 2019

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University of Illinois at Chicago

IEEE-EMBS INTERNATIONAL CONFERENCE ON  
BIOMEDICAL AND HEALTH INFORMATICS (BHI'19)

Jointly Organised With

THE 16<sup>TH</sup> IEEE-EMBS INTERNATIONAL  
CONFERENCE ON WEARABLE AND IMPLANTABLE  
BODY SENSOR NETWORKS (BSN'19)



[www.bhi-bsn-2019.org](http://www.bhi-bsn-2019.org)



**Workshop/Tutorial title:** Workshop on Brain Network Analysis

Maggie Cheng and John G Georgiadis, Illinois Institute of Technology

## Organizers

## Short description

The workshop will focus on the study of brain networks. The topics of the workshop include both biomedical signal processing and big data analytics/machine learning, with a necessary addition in connectomics. The modelling, analysis and inference on brain activities from a complex network approach is complementary to the study of neuro-informatics.

## Contents

The workshop will solicit research presentations that address computational models and analytical tools, as well as the use of large-volume, high-dimensional experimental data. Both mathematical modelling and machine learning/artificial intelligence will be covered.

## CVs of the organizers

Maggie Cheng is an Associate Professor of Applied Mathematics; John G Georgiadis is the department chair and R.A. Pritzker Professor of Biomedical Engineering, both at Illinois Institute of Technology