IEEE
BHI 2023

IEEE-EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL AND HEALTH INFORMATICS

October 15 - 18, 2023 | Pittsburgh, PA

CALL FOR PAPERS

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The IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI), sponsored by the IEEE Engineering in Medicine and Biology Society (IEEE-EMBS), is EMBS's primary technical conference on informatics and computing in healthcare and life sciences. BHI 2023 will take place in Pittsburgh, Pennsylvania from October 15-18, 2023. It will provide a unique forum to showcase basic and translational research on big data analytics and machine learning that address challenges in the acquisition, transmission, processing, security, visualization, and interpretation of vast volumes of multi-modal biomedical data, as well as related social, behavior, environmental, and geographical data.

The conference will also demonstrate the deployment of BHI informatics solutions that integrate key technologies including artificial intelligence, machine learning, mHealth, e-Health, human-computer interface, telemedicine, bioinformatics, sensors, imaging, and public health monitoring, to achieve patient-centric and outcome-driven effective health care. The theme of BHI'23 is *"Transforming healthcare and medicine with AI"*. The topical areas of interest include but are not limited to the following:

» Digital twin and cognitive AI
» Intelligent reality
» AI for combating long COVID
» AI-based clinical decision systems
» Biomedical natural language processing
» AI for biomarker discovery and drug design
» Digital radiology and pathology
» Single-cell and spatial omics
» Cancer genomics and immunotherapy

» Medical security and federated learning
» AI ethics and regulation
» Clinical informatics
» Translational informatics
» Behavioral and mental health informatics
» Biomedical data science and engineering education
» Multiscale modeling
» Medical AI for wearable and pervasive sensing

IMPORTANT DATES

Proposal for special session, workshop, tutorial	May 1, 2023
4-page regular/workshop papers *(firm deadline)*	May 29, 2023
Notificationof acceptance	July 17, 2023
4-page camera ready paper submission	Aug. 15, 2023
1-page abstract *(firm deadline)*	August 1, 2023
Notification of abstract acceptance	Aug 15, 2023
1-page camera ready paper submission	Aug 29, 2023

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