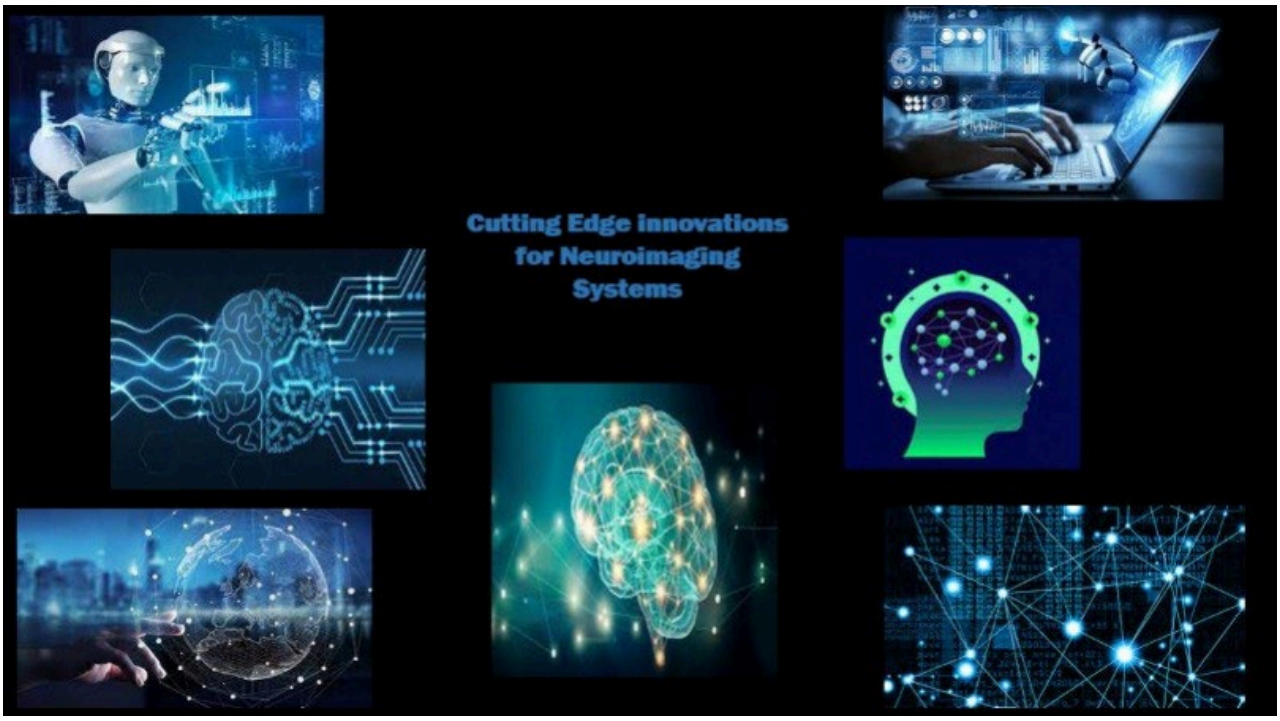
IEEE JOURNAL OF

# BIOMEDICAL AND HEALTH INFORMATICS

**J-BHI Special Issue on "Cutting Edge innovations for Neuroimaging"**




In the past two decades, medical imaging has undergone many tremendous changes in the field of healthcare and medicine. With The rapid growth of neuroimaging algorithms, technologies have transformed neuroimaging systems into organized and centralized data. These changes have resulted from a domain source called cutting-edge technologies; this cutting-edge innovation has given a high-level transformation for the images and informatics. They have made all the tools and systems from analogue to digital methods for accuracy purposes, two-dimensional images to three-dimensional images. These innovations have been invited to the business for practical research. The researchers even believe medical imaging will truly transform in the next decades.

The Neuroimaging system has been driving the CT market for clinical resources for years. Artificial Intelligence has been involved in cutting-edge technologies to get an accurate result despite all the frontiers in MedTech, there are also many other tools that help surgeons for identifying the issue in the applications of radiology. Cutting-edge is an extension of cloud computing in the data manipulation process. It takes special care on some particular segments called reliability, security and real-time prediction. Edge computing is a distributed architecture that is built on the basis of the cloud with the infrastructure of blockchain nodes to store and monitor the transactions provided. This tends to change based on the variability of the epidemic of time for different users. This Special Issue reviews that in these current technologies it is always recommended to train the neural network to get the accuracy in the cutting-edge technologies for More complex and efficient methods that can be always applied into these algorithms to gain the maximum accuracy in the field of neurology.

Topics of interest include, but are not limited to, the following:

Cognitive attention is required for neurological technologies.
2) Innovation of medical imaging from informatics.
3) Development of the algorithms in the neurological fields.
4) Advancement in neuroimaging and data analysis.
5) Architectural design of the image sensing technologies.
6) Augmented reality for the medical necrologies in medical science.
7) Development of technologies to innovate the endoscopic spine surgery
8) Disc replacement data segmentation of the cloud.

9) Cutting edge technologies to have MRI productivity.
10) Involvement of big data in healthcare.
11) Imaging informatics that involves hybrid images.
12) Initiative of technologies in microscopic research.

**Guest Editors**

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**Key Dates**

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| Deadline for Submission: | 30 November 2022 |
| First Reviews Due: | 30 December, 2022 |
| Revised Manuscript Due: | 30 January, 2022 |
| Final Decision: | 30 March, 2023 |