

Tentative Outline

Special Thematic Issue for Current Medical Imaging

Title: Multimedia Knowledge Extraction and Mining Techniques for Big Data in Healthcare

Guest Editors: Dr. Md Tabrez Nafis, Dr. Muhammad Arif, Dr. Neel Mani

Aims & Scope:

Due to enormous generation of Data in real time, the Mining techniques for knowledge discovery has always been the thrust areas of researchers. With fast expansion of technology, the healthcare sector is collecting and producing data at an astounding speed, which can be termed as Healthcare Big Data. The Healthcare Big Data includes multimedia data as well. It may be in form of text, images, video, audio and animation. Post Covid-19 it has become imperative to explore the Multimedia Big Data in Healthcare for further knowledge discovery.

In the Knowledge discovery, mining of big data using various mining techniques are crucial for decision making. Healthcare Big Data analytics has a significant role in a wide range of application from diagnosis and analysis to treatment and recovery.

In this Thematic Issue, we will host scientific discussions on the latest developments in the fields of Multimedia Big Data Analytics in Healthcare. This Thematic Issue will primarily address the proposal of methods, systems, process as well as extracting knowledge from Multimedia Big Data. This issue is planned to invite authors to submit unpublished state-of-the-art reviews, surveys and original works.

Keywords: Multimedia, Knowledge Extraction, Mining Techniques, Big Data, Healthcare

Subtopics:

Potential topics include but are not limited to:

- Integrated Framework of Multimedia Big Data & IoT in Healthcare
- Automation and Collection of Multimedia Big Data in Healthcare
- Data Management in Cloud Storage for Multimedia Big Data
- Medical Expert Systems & Ontologies in Healthcare
- AI & Machine Learning Applications & Techniques in Healthcare
- Text Mining and Natural Language Processing for Multimedia Big Data in Healthcare
- Multimedia Big Data Analytics in Healthcare
- Multimodality of Multimedia Analysis using Machine Learning and Deep Learning
- Healthcare Medical Recommender System
- Supervised & Unsupervised Learning Techniques for Multimedia Big Data in Healthcare
- Modeling and Reasoning with Time in Multimedia Big Data and Systems
- Issues and Challenges in Multimedia Big Data in Healthcare

Schedule:

- ⊙ Manuscript submission deadline: April 30, 2021
- ⊙ Announcement of acceptance by the Guest Editors: June 30, 2021
- ⊙ Final manuscripts due: July 31, 2021

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