Call for Papers

Special Issue on

Machine Learning in Biomedical Signal and Medical image processing

Recent improvements in artificial intelligence, big data and machine learning have enhanced the importance of biomedical signal and image processing research. Biomedical signal processing requires the analysis of measurements are needed at specific periods in time and noted on a patient's chart to provide useful information upon which clinicians can make determinations. Biomedical image processing is similar in concept to biomedical signal processing in multiple dimensions. It includes the analysis, enhancement and presentation of images captured via X-Ray, Ultrasound, MRI, nuclear medicine and visual imaging technologies. Machine Learning is now quickly extending in all science and engineering research fields, including biomedical sciences. It is practiced to build computational intelligent models directly from the biomedical signals. The principal aim of this particular issue is to build a machine learning scheme for analysis of biomedical signal and decision making roles.

SCOPE

The authors are requested to send their original manuscripts in the special issue on **"Machine Learning in Biomedical Signal and Medical image processing".** This special issue call for the original paper that discussing the latest developments, trends and solutions. Topics of interests include, but are not limited to.

Topics of Interests include, but are not limited to:

- ❖ **Bio Medical Signal Processing**
- ❖ **Biomedical imaging and image processing**
- ❖ **Bio informatics and computational Biology**
- ❖ **Bio Mechanics and Robotics**
- ❖ **Biomedical Engineering**
- ❖ **Health Care Informatics**
- ❖ **Digital Signal Processing**
- ❖ **Soft Computing Approaches**
- ❖ **Artificial Intelligence Techniques**
- ❖ **Computational biology**
- ❖ **Pattern Mining Algorithms on Biological Problems**
- ❖ **Content-based medical image retrieval**

Submission Guidelines:

All manuscripts must be submitted via mstracker.com and authors are request to write in their cover letter that their submission is for this special issue and the name of the guest editor, so that the guest editor can be notified separately. Guidelines for preparation of the manuscripts are available at the journal website http://www.aspbs.com/jmihi/instauth_jmihi.htm. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at http://mstracker.com/submit1.php?jc=jmihi.

Manuscript-Processing Fees: All new manuscripts submitted to this journal will be subjected to a Manuscript-Processing Fees. Research article publishing is not without occurring costs and the costs have been steadily increasing. To defray part of the publication cost, the journal will charge manuscript-processing fees, to be paid by the authors or their affiliated research institutions. The publication fee will be used to defray part of the occurring expenses associated with manuscript processing, editorial work flow, typesetting, proofreading, printing, online-hosting, and archiving. Authors or their affiliated research institutions are required to pay **US$1080** for their articles for a special issue article from all Countries. The authors

will receive the PDF version of their research papers in final form. When submitting a manuscript through online, it will be processed with an understanding that the corresponding authors fully agree to pay all manuscript-processing fees upon acceptance. The author who submits the manuscript to the journal is fully responsible for the manuscript-processing fees. Accepted peer reviewed manuscripts will not be processed and forwarded to production until all fees are paid in full to the publisher. Publisher will issue an invoice of manuscript-processing fees after a manuscript has been accepted for publication. Corresponding author will be asked to submit a signed Copyright Transfer Agreement (CTA) along with manuscript processing fees.

Important dates:

Manuscript Due: 30 July 2018

First Round of Reviews:25 August 2018

Second Round of Reviews: 25 October 2018

Publication Date: Dec. 2018 or earlier.

Guest Editor:

Dr. Hassan Fouad,
Faculty of Engineering,
Helwan University- Egypt.
hassan_alsayed@h-eng.helwan.edu.eg