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A medium to disseminate novel experimental and theoretical research results in the fields of biomedicine, biology, clinical, rehabilitation engineering, medical image processing, bio-computing, and other health related areas.

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Call for Papers

Special Issue on:
"Hybrid Intelligent Systems and applications in Medical Imaging and Health Informatics"

Oftentimes, human-like expertise is needed in tackling practical computing problems, which can only be realised via the simultaneous use of two or more intelligent techniques and approaches to build new systems. The resulting hybrid intelligent systems (HIS) offer the capability to handle real world complex problems involving imprecision, uncertainty, vagueness, high-dimensionality, etc. The integration of different learning and adaptation techniques such as fuzzy techniques, genetic algorithms, artificial neural networks (ANN), agent-based techniques, case-based reasoning, evolutionary algorithms and other computationally intelligent (CI) approaches offers the ability to overcome individual limitations and achieve synergetic effect through hybridisation or fusion of these techniques, which is partly the attraction for HIS.

This Special Issue will focus on integrating HIS techniques to create, modify, or improve medical imaging algorithms as well as in applications in general areas of health informatics.

The topics of interest for the Special Issue include the integration of HIS techniques in all topics within the scope of the JMIHI journal and, although not limited to them, the following topics:

- HIS for disease diagnosis, management and treatment
- HIS for clinical rehabilitation

- HIS for biometric systems
- HIS for medical image processing
- HIS for remote health care systems

- HIS for modelling and prevention of pollution related mortality
- HIS for biomedical informatics process and analysis
- HIS for health information mining
- HIS for e-healthcare management
- HIS for portable health informatics

Important Dates:

Manuscript submission period: **30 November 2017 (extended)**
First Round of Reviews: 15 December 2017
Second Round of Reviews: 30 December 2017
Notification of review outcomes: 10 January 2018
Revised Manuscript Due: 12 February 2018
Publication Date: June 2018 (Tentative)

Please submit Manuscripts using the msTracker system, available at http://mstracker.com. Authors must mention in their cover letter that the particular manuscript is for this special issue and the name of Lead guest editor so that the guest editor can be notified separately.

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