Special Issue on Soft Computing in Medical Informatics

Call for Papers

Medical science and engineering has been using various medical systems such as medical imaging devices, medical testing devices, and medical information systems. Using the systems, patient information has been collected every day and accumulated in various medical institutions. Also, the medical systems generate high-dimensional, multimodal, and huge data. In order to analyse such big data efficiency, image&signal processing and data mining play an important role for computer-aided diagnosis (CAD). Especially, soft computing approaches will play a fundamental role in the analysis of such medical data because of ambiguity of human data. This special issue focuses on soft computing approaches for medical informatics. It aims to gather the latest research on state-of-the-arts for medical informatics analysis methods, and recent new findings obtained by using the new computational methodologies. We invite investigators to contribute original research articles as well as review articles dealing with timely issues. Selected papers from 4th International Conference on Informatics, Electronics & Vision (ICIEV), 2015 http://cennser.org/ICIEV will be invited for submission to this special issue. Potential topics include (not limited to):

- Computer-aided diagnosis systems
- Computer-aided detection systems
- Computer-aided surgery systems
- Hospital information system
- Image/signal processing theory and algorithms
- Image reconstruction
- Knowledge engineering
- Medical informatics
- Medical image/signal analysis
- Medical image/signal processing
- Medical image/signal acquisition theory/algorithm/systems
- Multidimensional data visualisation
- Pattern recognition
- Soft computing

Important Dates:

Prospective manuscript	August 31, 2015
Notification of first review	October 31, 2015
Revised manuscript	December 31, 2015
Final notification	January 31, 2016
Publication	To be determined by the Editorial Office of IJICIC

Reviewing Process:

The Lead Guest Editor will make an initial determination of the suitability of the manuscript. Papers that lack clarity in presentation or are outside the scope of the special issue will not be sent for review. Otherwise, the manuscript will be sent to at least three competent referees. Based on reviews, the Lead Guest Editor will determine whether the manuscript should be accepted, accepted with minor revision, accepted with major revision or rejected. Then the Lead Guest Editor will recommend all acceptable papers to the Executive Editor of IJICIC, who will make a final publication decision and inform the authors.

Submission Guideline:

The submitted papers must not have been previously published or be currently under consideration for publication elsewhere. Paper preparation guidelines can be found in any issue of the journal or the following link: http://www.ijicic.org/information.htm There may be the page charges for published articles according to the journal policy. The original typescript should be submitted electronically as MS Word file or Adobe PDF file to the Lead Guest Editor (or the Guest Editor) via email. For more information, please contact the Lead Guest Editor.

Lead Guest Editor:

Syoji Kobashi, University of Hyogo, Japan; kobashi@eng.u-hyogo.ac.jp

Guest Editors:

Md. Atiqur Rahman Ahad	**Namkug Kim**	**Yubing Tong**	**Naomi Yagi**
University of Dhaka, Bangladesh	University of Ulsan College of Medicine/Asan Medical Center, Korea;	University of Pennsylvania, USA	Kyoto University, Japan
atiqahad [@mark] du.ac.bd	namkugkim @ gmail.com	yubing@mail.med.upenn.edu	naomi.y@kuhp.kyoto-u.ac.jp