

# Journal of Universal Computer Science

## CALL FOR PAPERS

### Special Issue on

### Computational Intelligence Technologies Meet Medical Informatics - From Prediction to Prognosis

#### Background

Medical informatics is an interdisciplinary scientific field. It deals with the development and application of advanced methods in order to better understand and to improve health care through diagnosis, treatment, prevention of disease, illness, injury, and other physical and mental impairments in human beings.

This special issue spans theoretical, practical, and technical issues in medical informatics and quality health care. Research on applications of prevention, prediction and prognosis topics are appropriate for this special issue. Practical experiences and experiments in using business intelligence and healthcare information technologies are also welcome. We look forward to contributions from academicians, researchers, and educators worldwide.

The papers for the issue should be suitable for experts in the respective fields, but also accessible to wider academic audiences. In view of the publication venue, all papers should contain some relation to computing issues. Furthermore, it is expected that if relevant, authors cite articles from the Journal of Universal Computer Science in their papers. Contributions should fall within the categories (a) research contributions, or (c) surveys (for further elaboration, see [http://www.jucs.org/jucs\\_info/aims](http://www.jucs.org/jucs_info/aims)).

#### Topics

Contributions adding to research on medical informatics and computational intelligence technologies are solicited in, but not limited to, the following topics:

- ◆ Business Intelligence and Data Warehousing
- ◆ Cloud Computing and Big Data
- ◆ Health/Medicine informatics education
- ◆ Risk Evaluation & Modeling
- ◆ Knowledge Abstraction, Classification & Summarization
- ◆ Patient Safety & Clinical Outcomes
- ◆ Public Health Informatics

- ◆ Statistics & Quality of Medical Data
- ◆ Survival Analysis & Health Hazard Evaluations

### **Important dates**

Deadline for submission of papers: July 1, 2017

Notification of Review Results: October 1, 2017.

Revised Manuscript Due: December 1, 2017.

Final decision of acceptance: December 31, 2017

Scheduled publication: January/February 2018

### **Attention**

The contributions in this issue will consist of approximately 50% of the papers from the ICMHI2017 and 50% from the public call for papers. ICMHI 2017, the first International Conference on Medical and Health Informatics, will be held in Chung Shan Medical University, May 20-22, 2017, Taiwan. The official website of the conference is <http://www.icmhi.org/>. The papers from the ICMHI2017 will be within top 10% of submitted papers and also go through a 2nd review for quality checkup. The selected and extended papers from the ICMHI must contain at least 33% new material as compared with the conference papers and the title of the submitted versions must clearly and unmistakably differ from the title of the article presented at the conference.

Submissions to the special issue must be sent to Dr. Chang at [threec@csmu.edu.tw](mailto:threec@csmu.edu.tw), Subject: J.UCS special issue on Medical informatics. Please note that we are on a tight schedule and expect all the contributors to follow the deadlines.

The length of the articles should not exceed 8,000 words including references, and they must contain an abstract (150-200 words), names and affiliations of the authors. Looking forward to your contributions!

### **Guest Editors**

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