

*Call for Papers*

**AUTOSOFT**

## **INTELLIGENT AUTOMATION & SOFT COMPUTING**

*An international journal*

Official Publication of World Automation Congress (WAC) ([www.wacong.org](http://www.wacong.org))

### **SPECIAL ISSUE ON**

### ***Forthcoming Multimedia & Intelligent Services in Ubiquitous and Pervasive Computing***

<http://autosoftjournal.org/>

#### **Overview**

With the proliferation of wireless technologies and electronic devices, there is a fast growing interest in Ubiquitous and Pervasive Computing (UPC). UPC enables to create a human-oriented computing environment where computer chips are embedded in everyday objects and interact with physical world. Through UPC, people can get online even while moving around, thus can have almost permanent access to their preferred services. With a great potential to revolutionize our lives, UPC also poses new research challenges. This special issue will focus on the challenges and solutions for UPC with an emphasis on forthcoming multimedia and embedded applications. The special issue will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of UPC. The special issue will publish high quality papers which are closely related to the various theories and practical applications in UPC. In addition, we expect that the special issue will be a trigger for further related research and technology improvements in this important subject.

#### **Topics** (include, but are not limited to):

- Security issues and privacy for UPC
- Multimedia content distribution/service system in UPC
- Theoretical foundations and algorithms for multimedia in UPC
- Real-time and interactive multimedia applications for UPC
- Ubiquitous multimedia streaming with mobility, QoS, and multicast support
- Multimedia synchronization schemes in UPC
- Mobile multimedia applications & services
- Business model and protocols for ubiquitous services
- Intelligent context-aware schemes for UPC
- Wireless ad hoc and sensor networks / RFID application for UPC
- Key management and authentication in UPC
- Network security issues and protocols in UPC
- Security issues on multimedia for UPC
- Authentication and Access control for UPC
- Emerging standards and technologies for UPC

#### **Important Dates**

- |                                              |                               |
|----------------------------------------------|-------------------------------|
| • Manuscript Submission Deadline:            | June 30, 2008                 |
| • 1st Notification of acceptance:            | Sep. 1, 2008                  |
| • Submission due date of revised Manuscript: | Sep. 30, 2008                 |
| • 2nd Notification of acceptance:            | Dec.1, 2008                   |
| • Submission of final revised Manuscript:    | Dec. 31, 2008                 |
| • Publication date:                          | 3rd Quarter, 2009 (Tentative) |

## Submission

Paper submissions must conform to the layout and format guidelines in the AutoSoft Instructions for Contributors: <http://wacong.org/autosoft.html>. Papers, which have appeared previously in proceedings of conferences, can be submitted to this special issue if they are substantially revised or improved from their earlier versions, due to copyright issues. This special issue additionally selects best papers from the IMIS-08 workshop (<http://www.sersc.org/MUE2008/IMIS08/IMIS08.html>), Busan, Korea, April 24-26, 2008. (The IMIS-08 workshop will be held in conjunction with the MUE 2008 conference.) Submissions must be sent directly to Prof. Hui-Huang Hsu via email: [h\\_hsu@mail.tku.edu.tw](mailto:h_hsu@mail.tku.edu.tw).

Please note that AutoSoft Journal has a nominal page charge of US \$500 per 12 final pages and \$100 per page afterwards. This contribution to expenses of the journal will bring with it a full 1-year subscription, 25 reprints. AutoSoft is the world's first technical journal on soft computing (computational intelligence) and its abstracts are indexed internationally including ISI services and Elsevier Publishers in Amsterdam.

## Guest Editors

Prof. Hui-Huang Hsu (Corresponding editor)

- Affiliation: Dept. of Computer Science and Information Engineering, Tamkang University, Taiwan
- Email: [h\\_hsu@mail.tku.edu.tw](mailto:h_hsu@mail.tku.edu.tw)
- Website: <http://member.mine.tku.edu.tw/www/hhsu/>

Dr. Bonam Kim

- Affiliation: School of Electrical and Computer Engineering, Chungbuk National University, South Korea
- Email: [kimbona@chungbuk.ac.kr](mailto:kimbona@chungbuk.ac.kr)

Prof. Hai Jin

- Affiliation: School of Computer Science and Technology, Huazhong University of Science and Technology, China
- Email: [hjin@hust.edu.cn](mailto:hjin@hust.edu.cn)
- Website: <http://grid.hust.edu.cn/hjin/>

Prof. IIsun You

- Affiliation: School of Information Science, Korean Bible University, South Korea
- Email: [ilsunu@gmail.com](mailto:ilsunu@gmail.com)

Prof. Seong-Moo Yoo

- Affiliation: University of Alabama In Huntsville, USA
- Email: [yoos@ece.uah.edu](mailto:yoos@ece.uah.edu)
- Website: <http://www.ece.uah.edu/faculty/yoo/>