

Call for papers



*Special Issue on*  
**Intelligent Systems and Smart Homes (IS2H)**  
<http://www.som.buffalo.edu/isinterface/ISFrontiers/>



**INFORMATION SYSTEMS FRONTIERS**  
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### **Overview**

The Smart Home Environment (SHE) has emerged rapidly as an exciting new paradigm that includes ubiquitous, grid, and peer-to-peer computing to provide computing and communication services any time and anywhere. In order to realize the advantages of such services, it is important that intelligent systems be suitable for SHE.

This special issue is intended to foster state-of-the-art research in the area of *intelligent systems and smart homes* including the topics of intelligent systems, security services, business models, and novel applications associated with their utilization. The published papers are expected to focus on application services and present high level results to solve various problems in various smart home environments.

### **Topics**

Areas of interest for this special issue include, but are not limited to, the following topics:

- Mobile / Wearable intelligence
- Smart Space (Home, Building, Office) applications and services
- Smart Home network middleware and protocols
- Context Awareness for Smart Home (SH) Services
- Frameworks for integrating AI and data mining
- Wireless sensor networks (WSN) / RFID application for SH
- Environment sensing / understanding
- Commercial or Industrial applications of AI
- Knowledge acquisition, engineering, discovery and representation
- Neural networks and intelligent databases
- Data mining and Semantic web
- Multimedia Security and Services in SH
- Security Issues for SHE
- Access control and Privacy Protection in SH
- Forensics and Security Policy in SH
- WSN / RFID Security in SH

### **Schedule**

Submission due date (Direct submission via Guest Editor): July 15, 2007

Notification of acceptance – First round (Including WISH-07 best papers): October 15, 2007

Submission due date of revised paper (Extended version of WISH-07 best papers): November 15, 2007

Notification of acceptance – Second round: December 15, 2007

Submission of final revised paper: January 15, 2008

Publication date : 1<sup>st</sup> or 2<sup>nd</sup> Quarter, 2008 (Tentative)

### **Submission**

Papers, which have appeared previously in proceedings of conferences, could be submitted to this special issue if they are substantially revised or improved from their earlier versions, due to copyright issues.

There are two submission methods (Best papers of WISH-07 will be omitted from the first round process);

1. Submissions must be directly sent to WISH-07:  
<http://www.chu.edu.tw/~wish07/>
2. Submissions must be directly sent via email to Guest Editors: [wish07@gmail.com](mailto:wish07@gmail.com)

Paper submissions must conform to the layout and format guidelines in the INFORMATION SYSTEMS FRONTIERS Instructions for Contributors are in: <http://www.som.buffalo.edu/isinterface/> ISFrontiers/

### **Guest Editors**

#### **Ching-Hsien Hsu**

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## Editor's BIO

Prof. ChingHsien Hsu

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Dr. Robert C.-H. Hsu is an associate professor in the department of Computer Science and Information Engineering at Chung Hua University, Taiwan. He has been experienced in many international conference/workshop chairs: GPC-07, CNTE-07, IWSH-07, ASWAN-07, UCI-07, WoGTA-06, GPC-06, etc. He is the founder of International Workshop on Intelligent Systems and Smart Homes (WISH) and the Russian-Taiwan Symposium on Methods and Tools of Parallel Programming Multicomputers (MTPP). He is also in editorial board of International Journal of Smart Homes, International Journal of Computer Science, Journal of Information Technology and Applications. His research interests include intelligent computing, smart environment design, parallel and distributed systems and grid and pervasive computing.

Prof. Hamid R. Arabnia

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Dr. Hamid R. Arabnia is a Full Professor of Computer Science at University of Georgia (Georgia, USA), where he has been since October 1987. His research interests include Parallel and distributed processing techniques and algorithms, interconnection networks, and applications (in particular, in image processing, computer graphics, medical imaging, and other computational intensive problems). Professor Arabnia is Editor-in-Chief of The Journal of Supercomputing (Springer) and is on the editorial boards of 14 other journals and magazines.

Dr. Jong Hyuk Pak

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Dr. Jong Hyuk Park has been a research scientist of the R&D Institute, Hanwha S&C Co., Ltd., Korea since 2002, and currently has become a senior researcher and manager of projects related to Ubi-home / smart home. He has been experienced many international conference and workshop chair or PC member : Chair of UIC'07, UCI'07, SSDU'07, TRUST'07, ISM'07, WISH'07, FGCN'07 and

PC member of AINA'07, GPC'07, NPC'07, UbiSafe'07, SmarTel'07, PCES'07, UMS'07, etc.

He is the founder of International Conference on Multimedia and Ubiquitous Engineering (MUE), International Conference on Intelligent Pervasive Computing (IPC), and International Workshop on Smart Home (IWSH). In addition, he is a member of the Task Force in the IEEE IUC and Managing Editor of the IJSH. He is also in editorial board of International Journal of Intelligent Technology.

He is interested in ubiquitous computing / home network, multimedia, security and their applications and services.