

## Special Issue on Ad Hoc and Ubiquitous Computing

### Theme and Scope

Wireless communication technologies are going through rapid evolution. In the last few years, we have observed an explosive growth of ad hoc networks, ubiquitous computing and applications. This revolution is transforming the way people live, work, and interact with each other, and is impacting the way businesses, education, entertainment, and healthcare are operating. This special issue is to discuss advancements in the state of the art and practice of ad hoc networks, ubiquitous computing, as well as to identify the emerging research topics and to define the future of ad hoc networks, ubiquitous computing. We solicit high quality technical papers that describe original and unpublished research on ad hoc and ubiquitous computing. The papers should not be submitted simultaneously for publication elsewhere. Submissions of high quality papers describing mature results or on-going work are invited. Selected high-quality papers from "The Second IEEE International Workshop on Ad Hoc and Ubiquitous Computing (AHUC 2008)" will be published in this special issue of Journal of Internet Technology on "Ad Hoc and Ubiquitous Computing". **Topics of interest include, but are not limited to:**

#### Ad Hoc Computing

- Addressing and location management
- Architectures, protocols, and algorithms
- Campus wireless networks design or applications
- Data management
- Distributed technology
- Mobile ad hoc networking
- Network design and planning
- Power-aware and energy-efficient designs
- Quality of services
- Security and privacy
- Self-configuring and self-healing schemes
- Services and applications
- Traffic analysis and control
- Vehicular ad hoc communication and networks
- Wireless sensor networks

#### Ubiquitous Computing

- Architectural structure, design decisions and philosophies
- Context-aware computing
- Distance education or e-learning using ubiquitous techniques
- Intelligent devices and environments
- Interoperability and wide scale deployment
- Middleware services and agent technologies
- Personalized applications
- Pervasive Computing
- Service discovery mechanisms and protocols
- Software infrastructures
- System support infrastructures and services
- Ubiquitous computing systems and applications
- User interfaces and interaction models
- Wearable computing and technologies
- Wireless/mobile service management and delivery

### Instructions for Manuscripts

Authors whose papers are presented and selected in AHUC 2008 are invited to submit manuscripts reporting original unpublished research and recent developments. Manuscripts should be written in English and strictly follow the guideline of the Journal of Internet Technology at <http://jit.ndhu.edu.tw/preparation2.php>. The covering letter should indicate the names of the authors and their affiliations, addresses, faxes, and e-mails. Prospective authors should submit full manuscripts with MS Word format, .doc, electronically by e-mail to Guest Editor, Dr. Tzung-Shi Chen, at [chents@mail.nutn.edu.tw](mailto:chents@mail.nutn.edu.tw) by **July 15, 2008**.

### Important Dates

Manuscript Due: **July 15, 2008**  
Notification of Acceptance/Rejection/Revision: **August 15, 2008**  
Final Manuscript Due: **September 15, 2008**  
Tentative Publication Date: **July, 2009**

### Guest Editors

#### Prof. Tzung-Shi Chen

Department of Information and Learning Technology,  
National University of Tainan,  
Taiwan,  
Email: [chents@mail.nutn.edu.tw](mailto:chents@mail.nutn.edu.tw)

#### Prof. Yuh-Shyan Chen

Department of Computer Science and Information Engineering,  
National Taipei University,  
Taiwan,  
Email: [yschen@mail.ntpu.edu.tw](mailto:yschen@mail.ntpu.edu.tw)

#### Prof. Han-Chieh Chao

Department of Electronic Engineering,  
National Ilan University,  
Taiwan,  
Email: [hcc@mail.niu.edu.tw](mailto:hcc@mail.niu.edu.tw)

#### Dr. Chih-Yung Chang

Department of Computer Science and Information Engineering,  
Tamkang University, Taiwan,  
Email: [cychang@cs.tku.edu.tw](mailto:cychang@cs.tku.edu.tw)