

# The Second IEEE International Workshop on Ad Hoc and Ubiquitous Computing (AHUC 2008)

Taichung, Taiwan, June 11-13, 2008

<http://mcl.nutn.edu.tw/AHUC2008/>

To be held in conjunction with

## The IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing (SUTC'2008)

<http://sutc2008.csie.ncu.edu.tw/>

Sponsored by the IEEE Computer Society

### THEME

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. The Second IEEE International Workshop on Ad Hoc and Ubiquitous Computing (AHUC 2008) is an international forum for researchers to exchange information regarding 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 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 We solicit high quality technical papers that describe original and unpublished research on ad hoc and ubiquitous computing.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. Topics for submission include but are not limited to:

Ad Hoc Computing	Ubiquitous Computing
<ul style="list-style-type: none"><li>Addressing and location management</li></ul>	<ul style="list-style-type: none"><li>Architectural structure, design decisions and philosophies</li></ul>
<ul style="list-style-type: none"><li>Architectures, protocols, and algorithms</li></ul>	<ul style="list-style-type: none"><li>Context-aware computing</li></ul>
<ul style="list-style-type: none"><li>Data management</li></ul>	<ul style="list-style-type: none"><li>Intelligent devices and environments</li></ul>
<ul style="list-style-type: none"><li>Distributed technology</li></ul>	<ul style="list-style-type: none"><li>Interoperability and wide scale deployment</li></ul>
<ul style="list-style-type: none"><li>Mobile ad hoc networking</li></ul>	<ul style="list-style-type: none"><li>Middleware services and agent technologies</li></ul>
<ul style="list-style-type: none"><li>Network design and planning</li></ul>	<ul style="list-style-type: none"><li>Personalized applications</li></ul>
<ul style="list-style-type: none"><li>Power-aware and energy-efficient designs</li></ul>	<ul style="list-style-type: none"><li>Pervasive Computing</li></ul>
<ul style="list-style-type: none"><li>Quality of services</li></ul>	<ul style="list-style-type: none"><li>Service discovery mechanisms and protocols</li></ul>
<ul style="list-style-type: none"><li>Security and privacy</li></ul>	<ul style="list-style-type: none"><li>Software infrastructures</li></ul>
<ul style="list-style-type: none"><li>Self-configuring and self-healing schemes</li></ul>	<ul style="list-style-type: none"><li>System support infrastructures and services</li></ul>
<ul style="list-style-type: none"><li>Services and applications</li></ul>	<ul style="list-style-type: none"><li>Ubiquitous computing systems and applications</li></ul>
<ul style="list-style-type: none"><li>Traffic analysis and control</li></ul>	<ul style="list-style-type: none"><li>User interfaces and interaction models</li></ul>
<ul style="list-style-type: none"><li>Vehicular ad hoc communication and networks</li></ul>	<ul style="list-style-type: none"><li>Wearable computing and technologies</li></ul>
<ul style="list-style-type: none"><li>Wireless sensor networks</li></ul>	<ul style="list-style-type: none"><li>Wireless/mobile service management and delivery</li></ul>

### ORGANIZATION COMMITTEE

#### Workshop Co-Chairs

Tzung-Shi Chen, National University of Tainan, Taiwan  
Yuh-Shyan Chen, National Taipei University, Taiwan

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Gwo-Jong Yu, Aletheia University, Taiwan

### ELECTRONIC SUBMISSION

Authors are invited to submit research contributions representing original, previously unpublished work. Submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition. All papers will be refereed by at least two reviewers. Accepted papers will be published by IEEE Computer Society Press, as proceedings of the AHUC 2008 workshop.

Submit a full paper of about 6 pages (IEEE Computer Society Proceedings Manuscripts style: two columns, single-spaced), including figures and references, using 10 font size, and numbering each page. You can confirm the IEEE Computer Society Proceedings Manuscripts at <http://computer.org/cspress/instruct.htm>. Contact author must input the following information at the AHUC 2008 web site: paper title, authors' names, affiliations, postal address, phone, fax, and e-mail address of the author, about 200-250 word abstract, and five keywords. Prepare your paper in Postscript or PDF file (Adobe format). Please follow up the submission steps in <http://mcl.nutn.edu.tw/AHUC2008/>. Please save your file using your name, i.e. John Smith's file would be smith.pdf. If you are submitting two or more files, please number them with smith1.pdf, smith2.pdf, etc.

When you submit a paper, please go to AHUC outline submission system (<http://mcl.nutn.edu.tw/AHUC2008/>) and follow the instructions to submit your paper. Submission of a paper implies that should the paper be accepted, at least one of the authors will register and present the paper in the workshop. Each accepted paper must have a full registration in order to include the paper in the workshop proceedings. Accepted papers will be given guidelines in preparing and submitting the final manuscript(s) together with the notification of acceptance.

### SELECTED BEST PAPERS

A number of selected high-quality papers will be invited to a special issue of **Journal of Internet Technology (JIT)**.

<http://jit.ndhu.edu.tw/englisha.php>

### IMPORTANT DATES

Submission Deadline:

**January 1, 2008 (Deadline Extension)**

Notification of acceptance:

**February 15, 2008**

Camera ready papers:

**March 14, 2008**

### For Any Further Questions or Inquiries Please Contact

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