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Journal of Internet Technology
(http://jit.ndhu.edu.tw/)

Special Issue on “Ambient Intelligence”

Theme and Scope
Ambient intelligence is a vision by integrating computational intelligence into ubiquitous/pervasive/ambient computing environments and artefacts. Computing devices become invisibly which are embedded in our natural surroundings, and are moved to the background to better provide smart services to humans that act into the foreground. Additionally, they are enabled by simple and effortless interactions, attuned to all people senses, adaptive to users and autonomic, context-sensitive, and trustworthy. This special issue is to discuss advancements in the state of the art and all aspects of ambient Intelligence, as well as to identify the emerging research topics and to exhibit the future of ubiquitous/pervasive/ambient computing environments.

We solicit high quality technical papers that describe original and unpublished research on ambient intelligence. 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 Twenty Second International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA-AIE 2009)” will be published in this special issue of Journal of Internet Technology on “Ambient Intelligence”. Topics of interest include, but are not limited to:

- Ambient intelligence system architectures, applications, and services
- Ambient contexts and contextual studies
- Artefacts in ambient intelligence environments
- Context models and context factors
- Context-aware reasoning and inference for sensor/RFID-based systems
- Distributed software, systems, middleware and frameworks
- Natural and multimodal interaction styles and user interfaces
- Objects, devices, and environments that embody ambient intelligence
- Security, privacy, and trust
- Sensing and reasoning technology
- Societal implications of ambient intelligence
- Testbed implementation and experimental trials
- Ubiquitous/pervasive/ambient computing

Instructions for Manuscripts
This special issue aims to foster state-of-the-art research in the area of ambient intelligence. Authors are invited to submit manuscripts reporting original unpublished research and recent developments.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 by March 1, 2010.

Important Dates

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<tr>
<td>Notification of Acceptance/Rejection/Revision</td>
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<td>Final Manuscript Due:</td>
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