

## International Workshop on Ambient ASsistive Technologies for Intelligent Healthcare Services (AASTIHS08)

[http://www.petrae.org/docs/PETRA\\_AASTIHS08\\_cfp.pdf](http://www.petrae.org/docs/PETRA_AASTIHS08_cfp.pdf)

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### Important Dates:

Paper submission due to: **March 30, 2008**

Notification due date: April 30, 2008

Camera-ready manuscript: May 20, 2008

### Submission Details:

Interested authors should submit their contribution through e-mail to [Dr. Dimitrios Vergados](mailto:Dr.Dimitrios.Vergados) or [Dr. Alevizos Alevizos](mailto:Dr.Alevizos.Alevizos), under the instructions described in <http://www.petrae.org/proceedings.htm>. At least one author of each accepted paper is required to register with the workshop and present the paper. Authors are strongly encouraged to use the correct document style for their initial submission, so that preparation of the final ready for accepted papers is simplified.

Accepted papers will be presented at the conference and published in the Proceedings of the Conference. ACM will be the publisher of the proceedings of the PETRA conference and the conference proceedings will be a volume in the ACM International Conference Proceedings Series in the ACM Digital Library. Authors should use the ACM Word or LaTeX style templates to prepare their articles. See: <http://www.acm.org/sigs/pubs/proceed/template.html>. Authors should apply ACM Computing Classification categories and terms. The Classification Scheme can be found at: <http://www.acm.org/class/1998/>

Submitted papers should be up to 8 pages. Papers may be accepted either as full papers (8 pages) or short papers (4 pages).

You are cordially invited to submit your contribution in the Workshop on “Ambient Assistive Technologies for Intelligent Healthcare Services (AASTIHS08)” organized within the “First International Conference on Pervasive Technologies Related to Assistive environments (PETRA 2008)”. This Workshop is organized by the INHOME Project and aims to bring together researchers and practitioners from academia and industry to engage in an in-depth discussion on various research and deployment issues regarding ambient technologies for intelligent healthcare services, pervasive healthcare technologies and applications, services’ personalisation and management in assisted living environments, intelligent interactive services environment for assisted living.

We encourage submissions from both academic and industry sector. Topics of interest include, but are not limited to:

- Technologies to support ambient assisted living
- Mobile Telemedicine
- Security, privacy and trust in pervasive healthcare
- Networking and Embedded Systems
- Navigation Systems for Healthcare
- Pervasive healthcare technologies and applications for citizen for chronic disease management, health risk management, health promotion and disease prevention
- User needs, usability and acceptability issues
- Multimedia in education and training
- Medical image processing & analysis
- Health monitoring & ethical issues
- Influence of ambient technology on medical care
- Diagnosis & monitoring (follow-up) of chronic diseases in the home environment
- Interactive Services for Healthcare and Assisted Living
- Mobile and wireless technologies for healthcare information storage, transmission, processing, and feedback
- Standards and interoperability
- Context aware mobile networks
- Wearable, ambient and home based health and wellness measurement and monitoring technologies
- Sensor networks for pervasive healthcare
- Information management, processing and analysis in pervasive healthcare
- Business cases and cost issues
- Clinical applications, validation and evaluation studies
- Human Computer Interface
- Standards: HL7, XML, GEHR, etc.
- Bio-signal Processing
- Parallel Computing, GRID Applications