

Call for papers

2nd International Symposium on Ambient Intelligence – Software and Applications

<http://isami.usal.es>

1. Background

Ambient Intelligence (AmI) is a recent paradigm emerging from Artificial Intelligence, where computers are used as proactive tools assisting people with their day-to-day activities, making everyone's life more comfortable.

Another main concern of AmI originates from the human computer interaction domain and focuses on offering ways to interact with systems in a more natural way by means user friendly interfaces. This field is evolving quickly as can be witnessed by the emerging natural language and gesture based types of interaction.

The inclusion of computational power and communication technologies in everyday objects is growing and their embedding into our environments should be as invisible as possible. In order for AmI to be successful, human interaction with computing power and embedded systems in the surroundings should be smooth and happen without people actually noticing it. The only awareness people should have arises from AmI: more safety, comfort and wellbeing, emerging in a natural and inherent way.

ISAmI is the International Symposium on Ambient Intelligence, aiming to bring together researchers from various disciplines that constitute the scientific field of Ambient Intelligence to present and discuss the latest results, new ideas, projects and lessons learned.

Brand new ideas will be greatly appreciated as well as relevant revisions and actualizations of previously presented work, project summaries and PhD thesis.

ISAmI 2011 will be held at the University of Salamanca, Spain. This symposium will be organized by the Biomedicine, Intelligent System and Educational Technology Research Group of the University of Salamanca.

2. Submission and proceedings

Papers must be prepared according to Springer's templates (MS Word or LaTeX format) for the Advances in Intelligent and Soft Computing volume series (www.springer.com/series/4240).

All accepted papers will be published in a special volume of Advances in Intelligent and Soft Computing (Springer). More submission details will follow at the conference's website.

IOS Press will provide a prize, in the form of a free 12 months subscription to the Journal of Ambient Intelligence and Smart Environments, for the authors of the best ISAmI 2011 Paper.

A Thematic Issue in the Journal of Ambient Intelligence and Smart Environments (IOS Press) will be edited.

3. Important dates

Submission deadline: November 15, 2010

Notification: December 10, 2010

Camera ready papers: December 30, 2010

Conference: April 6–8, 2011

4. Committee

Scientific Committee Chairs

Paulo Novais, University of Minho, Portugal

Davy Preuvenciers, Katholieke Universiteit Leuven, Belgium

Organizing Committee Chair

Juan M. Corchado, University of Salamanca, Spain

Call for papers

The 5th International Conference on Pervasive Computing Technologies for Healthcare

<http://www.pervasivehealth.org/>

1. Background

It is with great pleasure that we announce the 5th International Conference on Pervasive Computing Technologies for Healthcare.

The Pervasive Healthcare Community has a broad scope of research topics and concerns:

- identifying and understanding problems from a technological, social, and medical perspective (with a particular emphasis on understanding and supporting patient needs);
- design, implementation, and evaluation of supporting hardware and software infrastructures, algorithms, and applications; and
- organisational strategies that facilitate integration of Pervasive Healthcare Technology into the healthcare enterprise.

The 2011 Pervasive Healthcare conference aims to gather technology experts, practitioners, industry and international authorities contributing towards the assessment, development and deployment of pervasive medical based technologies, standards and procedures. The theme of this year's conference is: Coping with the Challenges and Opportunities within Pervasive E-Healthcare (COPE), with a special focus on pervasive healthcare management and its ability to deliver timely, quality based information to medical practitioners in providing high levels of patient care. The challenges and opportunities within e-Healthcare are immense. A multidisciplinary and coordinated approach is needed from 1) user requirements, 2) technology development and 3) application integration, to help deliver a successful pervasive healthcare management system.

Traditional healthcare environments are extremely complex and challenging to manage, as they are required to cope with an assortment of patient conditions under various circumstances with a number of resource constraints. Pervasive healthcare technologies seek to respond to a variety of these pressures by success-

fully integrating them within existing health care environments. Technologies, standards and procedures on their own provide little and or no meaningful service. It is essential that pervasive healthcare environments, through a combined approach of data collection, data correlation and data presentation, assist health care professionals in delivering high levels of patient care, and empower individuals and their families for self-care and health management.

2. Submission and proceedings

Papers can be submitted in the IEEE 2-column format (see the IEEE Computer Society Press Proceedings Author Guidelines). The conference proceedings will be published by the IEEE Computer Society Press. More submission details will follow at the conference's website.

IOS Press will provide a prize, in the form of a free 12 months subscription to the Journal of Ambient Intelligence and Smart Environments, for the authors of the best Pervasive Health 2011 Paper.

3. Important dates

Workshop Proposal Deadline: 19 November 2010

Paper Submission Deadline: February 4th, 2011

Notification of Acceptance: April 11th, 2011

Camera Ready Deadline: April 25th, 2011

Conference Date: May 23rd – 26th, 2011

4. Committee

General Chairs

John O'Donoghue, University College Cork, Ireland

Gregory O'Hare, University College Dublin, Ireland

Technical Program Chairs

Juan Carlos Augusto, University of Ulster, UK

Brian Caulfield, University College Dublin, Ireland

Julie Maitland, National Research Council, Canada

Call for papers

The 7th International Conference on Intelligent Environments (IE'11)

<http://intelligentenvironments.org/conferences/ie11/>

The 7th International Conference on Intelligent Environments (IE'11) will be held at Nottingham Trent University, United Kingdom. This conference is the seventh edition in a series of highly successful conferences that were organized in Colchester (UK), Athens (Greece), Ulm (Germany), Seattle (USA), Barcelona (Spain) and Kuala Lumpur (Malaysia) in the past six years. The conference provides a collaborative forum for scientists, researchers and engineers from both industry and academia to present theoretical and practical results of Intelligent Environments research and their application in various domains and disciplines. This conference program will include workshops, invited lectures and special sessions of full and short papers and posters. Topics of interest include (but are not limited to):

- Ambient Intelligence
- Ubiquitous/Pervasive Computing
- Intelligent Agents
- Context Awareness
- End-User Programming
- HCI (Speech, Vision and Haptics)
- Smart Sensors
- Affective Systems
- Wearables (smart clothes, digital fashion etc)
- Domestic Robotics
- Virtual & Mixed-Reality
- Tele-care and Telemedicine
- Ambient Assisted Living
- Middleware
- Networking
- Communications
- Development/Testing/Evaluation Methodologies
- Building Architecture
- Cultural, Social, Legal and Ethical Aspects of Intelligent Environments
- Other issues of interest include novel computational models and new theories that support advances in these areas.

1. About the venue

Nottingham is in the heart of England and is an excellent city break destination offering culture, recreation, and excellent shopping to an estimated 1.3 million visitors annually. Many visitors are attracted by Nottingham's nightlife, its history, the legend of Robin Hood, Sherwood Forest and popular history-based tourist attractions in central Nottingham including Nottingham Castle, City of Caves, Lace Market, the Galleries of Justice, and the City's ancient pubs.

There are direct link between Nottingham Airport (East Midland Airport) and many other major European cities. Visitors from US and Asian countries can travel to Birmingham, Heathrow or Manchester Airport. There are direct train and coach services from these airports to Nottingham.

2. Important dates

Workshop proposals submission: 19 December 2010
 Workshop Notification of acceptance: 9 January 2011
 Conference paper submission: 23 January 2011
 Conf. Notification of acceptance: 27 February 2011
 Conference Paper final submission: 20 March 2011
 Conference: 6–8 July 2011 (Workshops 5–6 July 2011)

3. Organization

General Chair

Dr. A. Lotfi (U. of Nottingham, UK)

Programme Co-Chairs

J.C. Augusto (U. of Ulster, UK)

A. Kameas (Hellenic Open U., Greece)

Workshops Chair

V. Callaghan (U. of Essex, UK)

Call for papers

Journal of Ambient Intelligence and Smart Environments (JAISE)

<http://www.iospress.nl/loadtop/load.php?isbn=18761364>

Thematic Issue on Virtual and Mixed Reality Intelligent Environment

1. Background

This special issue addresses core topics on Virtual and Mixed Reality Intelligent Environments as well as reports on successful applications of this concept. The particular focus is on virtual and mixed-reality spaces that exhibit some form of intelligent behaviour with respect to their application and usage. In mixed reality, intelligent behaviour could be through (a) the adaptation of the elements of the virtual environment to the objects of the physical space, (b) adaptation of the objects of the physical space to the elements of the virtual or mixed reality, or (c) adaptation of the virtual or mixed reality system to the preferences or behaviours of the users. An example of (a) is where the virtual environment changes due to the presence of the user in the room, an example of (b) is where the room lighting changes in reaction to a change in the virtual world which is visible in an augmented reality display, and an example of (c) is a health care virtual environment that changes according to the prior experiences and skills of the participants in a medical emergency unit simulator.

We encourage submissions on virtual, augmented, and mixed reality systems and their applications which exhibit intelligent behaviour and interaction between physical and digital objects and environments. As capture, rendering, and interaction media we may consider text, visual, auditory, haptics, and many other modalities and their combinations.

As this topic covers many different disciplines we are particularly interested in papers that cover the broad range of research topics that include underpinning theories, human factors and design/evaluation strategies, case studies and more technical/scientific research topics. Some specific relevant areas to be considered, but not exclusively are:

- Augmented reality
- 3D user interfaces
- Mixed reality
- Wearable computing
- Virtual reality
- Affective computing
- Environment modeling
- Social issues
- Healthcare and assisted living
- Design collaboration
- Design strategies
- Educational games
- Interactive simulation
- Knowledge acquisition
- Interface design
- Medical simulation
- Underpinning theoretical frameworks
- e-learning systems
- Evaluation of virtual environments
- Collaboration and co-creation environments
- Practitioner/user issues and case studies
- Deployment strategies
- User profiles
- Design-based research

Submissions that have experimental results derived from virtual or mixed-reality test-beds and intelligent environments are especially encouraged.

2. Submission and proceedings

Papers should be of 12 pages or longer and adhere to the guidelines given on <http://www.mstracker.com/submit1.php?jc=jaise>. When submitting, authors should highlight in the cover letter that the submission is for this particular Thematic Issue.

3. Important dates

Submission of papers: Friday 31st December 2010

Notification to authors: February 25th 2011

Submission of revised versions: April 29th 2011

Tentative publication date: last quarter 2011

4. Guest editors

Michael Gardner, University of Essex, UK

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Jonathon Ritcher, University of Oregon, USA

Aki Harma, Philips Research, The Netherlands

Call for papers

Journal of Ambient Intelligence and Smart Environments (JAISE)
Thematic Issue on Computer Vision for Ambient Intelligence

Scope

The vision of ambient intelligence revolves around understanding human behavior in its many social settings, and to provide humans with socially aware cognitive systems, enabling a shift from usability to sociability, or to ambient culture. We envision seamlessly integrated plug and play devices that can be used to endow a given environment with an awareness of the physical, functional, temporal and social organization of its internal domestic dynamics, as well as the personalities and social relationships of its inhabitants, providing a vast array of new services for ordinary people.

While many novel sensory modalities are offering the designers of ambient intelligence applications new possibilities of realizing these goals, computer vision remains the most important modality in providing rich information in an unobtrusive manner. We solicit contributions to a thematic issue of the Journal of Ambient Intelligence and Smart Environments on "Computer Vision for Ambient Intelligence". The aim of this issue is to introduce novel computer vision approaches to the challenges of understanding human behavior in ambient environments. Provided that application area is compatible with the aims of the journal and the thematic issue, the topics include (but are not restricted to):

- Scene and event modeling, representation, and reconstruction
- Human activity analysis
- Social signal processing
- Facial expression and gesture recognition
- Face and body tracking
- Distributed video surveillance
- Behavioural biometrics
- New feature selection and extraction methods
- Vision for multimodal fusion

- Mathematical description and integration of contextual information
- Spatio-temporal dynamics of actions
- Recognition of signs and emblematic gestures
- Visual action grammars
- Benchmarking studies on novel databases
- Vision for applications of elderly care, smart cars, and smart buildings

Submissions

Submissions must represent original material. Papers are accepted for review with the understanding that the same work has been neither submitted to, nor published in, another journal or conference. All manuscripts will undergo a rigorous review process by at least three experts. Submission of comprehensive survey papers is encouraged. These should have added value for the field, and introduce new perspectives, taxonomies, etc., or critically discuss existing work to provide a broader vision.

Important dates

Submission of papers: December 1, 2010
 First round of reviews: January 15, 2011
 Submission of revised papers: March 11, 2011
 Second round of reviews: April 15, 2011
 Notification of acceptance: May 1, 2011
 Tentative publication date: July 2011

Guest editors

Albert Ali Salah (Univ. of Amsterdam)
 Theo Gevers (Univ. of Amsterdam)
 Nicu Sebe (Univ. of Trento)
 Alessandro Vinciarelli (Univ. of Glasgow)