

The 10th International Conference on Intelligent Environments - IE'14



Workshops 30th June-1st July 2014 - Conference 2nd-4th July 2014

(Reception & Industry Forum on 1st July)

Sponsored by the IEEE '[Systems, Man, and Cybernetics Society](#)' and the [Association for the Advancement of AI](#), together with technical sponsorship from '[IEEE SMC Technical Committee on Human-Computer Interaction](#)'



The 10th Intelligent Environments conference, associated workshops and forums are organized by the Departments of [Computer Science & Engineering](#) with the [Department of Department of Automation](#) of [Shanghai Jiao Tong University](#) (SJTU). The 2014 edition follows a series of highly successful conferences that were previously organized in Colchester (UK), Athens (Greece), Ulm (Germany), Seattle (USA), Barcelona (Spain), Kuala Lumpur (Malaysia), Nottingham (UK), and Guanajuato (Mexico).

Intelligent Environments & Scope of Conference

Intelligent Environments (IEs) use networked computing technology to create environments that are sensitive and responsive to the presence of people. Such environments are as varied as the places people inhabit encompassing settings such as homes, classrooms, factories, transport, clothing and online virtual worlds, They are constructed using a mix of innovative software and hardware concepts and, as such, promote the efficiency of transactions and activities, facilitate presence and participation, improve user experience and enable better or new lifestyles or methods of production. Any aspect of science, engineering, architecture, sociology, government, education or business that touch on these ideas is relevant to this conference. The conference provides a multidisciplinary interactive forum for researchers and practitioners from the above disciplines to present theoretical and practical results of their work.

Conference Program:

Authors are invited to submit regular full conference papers (8 pages) as well as short papers (4 pages), concept & position papers plus contributions to the Doctoral Colloquium, Posters Session or Demos & Video Sessions. In addition to the main programme of scientific papers, attendees will be able to participate in a number of supporting activities such as a vibrant set of [workshops](#), an [Industry Forum](#) (Smart City: Innovation-driven Industry Upgrading), an [Educational Forum](#) (focusing on building Future Intelligent Educational environments from Intelligent Environment technologies) and a fun challenge to write a 25 word description of a direction for Intelligent Environment research ([Imagine'14](#)).

Workshops Program:

As in previous editions, a number of workshops will complement the main conference program. We invite both proposals and papers for workshops (see information on our [IE'14 workshops page](#))

Publications:

All papers accepted in the main conference will be published by the [IEEE](#) and electronically available through [IEEE Explore](#). The Intelligent Environments conference is currently indexed by both EI Compendex and Thomson's Web of Science (Thomson ISI) and the 2014 edition will also be submitted for indexing. All papers accepted in the Workshops program will be published as a volume of the Ambient Intelligence and Smart Environments Series of IOS Press (also ISI indexed) and electronically available through ACM Digital Library.

Special Issues:

A number of special editions of journals will be published encompassing core areas of the event including special issues of the [Journal of Ambient Intelligence and Smart Environments](#), [Intelligent Buildings International](#), [Transactions of Future Intelligent Educational Environments](#) and the [Journal of Sensor and Actuator Networks](#).

Awards:

IOS Press have kindly agreed to provide all the authors of the best full paper with a certificate and free access to the AISE Journal for a full year. In addition they have agreed to provide a short paper award which will include a certificate and a recent book published in the AISE book series. Similar awards will be made for the best demo and best video (more information is on their respective web pages).

Planning Your Trip:

The conference will begin on the evening of the 1st of July with a reception followed by a screening of a [documentary about the Singularity](#) (a moment in the future when artificial intelligence will equal natural intelligence) by the American documentary producer, [Doug Wolens](#). The event will include a discussion about the likelihood and consequences of such a singularity. The combination of the reception and documentary will act as a networking point for people attending the workshops, [industry forum](#), [education forum](#) and [conference](#). Currently plans are being made to hold an [Industrial Forum](#) on the 1st July, which will also be open to conference and workshop attendees. If you are attending the conference only, we recommend you arrive in Shanghai on the morning of the 1st of July, leaving on the 5th July (if you are including the Workshops or Industry Forum then you should arrive earlier).

Shanghai:

For more information about tourism in Shanghai and China see our 'Tourism' page or visit the [Official Shanghai China Travel Website](#). For information on Shanghai Jiao Tong University, see the [SJTU website](#), the [PowerPoint presented at IE'13](#), or [a video about the University](#).

VIDEOS & PHOTOGRAPHS FROM IE'14*

- Photographs of IE'14 (taken by attendees) may be found here - https://www.flickr.com/groups/intenv_14/
- A video providing an overview of IE'14 is available here - http://youtu.be/SaWS2CvB_Lc (if you are vased in China, try this link http://v.youku.com/v_show/id_XNzg3MMDM2NDIO.html)
- A beautiful audio-video montage of science-art and music, especially composed to celebrate the 10th Anniversary of the Intelligent Environments series of conferences, by Juan-Carlos Zamudio, is available here - <http://youtu.be/NZGanmSiX3Y>

Important Dates:

Main Conference:

- Paper submission (Full): **31st Jan 2014**
CLOSED
- Paper submission (Short, concept, demo, poster, video): **28th Feb 2014** **CLOSED**
- Paper decision notification: **13 April 2014**
- Final Version to be submitted by: **9 May 2014**

Education Forum:

- Paper submission (IEEE): **31st Jan 2014**
(decision: 4.4.14) **CLOSED**
- Paper submission (Web):: **30th May 2014**

Workshops:

- Workshop proposals (Early Birds): **9th September 2013** **CLOSED**
- Workshop decisions (Early Birds): **23rd September 2013**
- Workshop proposals (Late Birds): email wc@intenv.org **CLOSED**
- Paper submission (all categories): **4th April 2014** **CLOSED**
- Paper decision notification: **9th May 2014**
(was 25 April)
- Final Version to be submitted by: **16th May 2014**

Challenges:

Topics of interest include but are not limited to:

- Ambient Intelligence
- Intelligent agents
- Artificial Intelligence
- Computational Intelligence
- Ubiquitous/Pervasive Computing
- Internet-of-Things
- Sensors & Wireless Sensor Networks
- Context Awareness
- End-user Programming
- HCI
- Middleware
- Interaction Design
- Mobile Computing
- Wearables
- Electronic Clothes
- Creative Music
- Smart Surfaces
- Assisted Living technology
- Smart Homes
- Intelligent Buildings
- Living Labs
- Smart vehicles
- Smart Cities
- Sustainable Design
- Security & Reliability
- Design & Formal methods
- Robotics
- Industrial Automation
- Education
- Future Education Environments
- Smart Classrooms
- Mobile Learning
- eLearning
- Architecture (building)
- Socio-Technical Issues
- Business
- etc

- Proposals to run a challenge: **29th March 2014** **CLOSED**
- Decisions on Challenge proposal: **4th April 2014**
- Dates to participate in a particular Challenge: are set by individual organisers (see [Challenge web page](#)) **CLOSED**

General Chairs:

- [Ruimin Shen](#) (Shanghai Jiaotong University, China)
- [Jianbo Su](#) (Shanghai Jiaotong University, China)

Program Chairs:

- [Victor Callaghan](#) (University of Essex, UK)
- [Liping Shen](#) (Shanghai Jiaotong University, China)

Workshop Chairs:

- [Juan Carlos Augusto](#) (Middlesex University, UK)
- [Tongzhen Zhang](#) (Shanghai Jiaotong University, China)

For enquiries contact:

- Venue Related gc14@intenv.org
- Program Related pc14@intenv.org
- Workshops Related wc14@intenv.org

Downloads:

- [Call For Papers \(in English\)](#)
- [Call For Papers \(in Chinese\) - 征稿 \(中国\)](#)

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