



Co-sponsored by the **IEEE**  
Systems, Man & Cybernetics  
Society Technical Committee  
on Computational  
Intelligence and the  
**Association for the  
Advancement of AI**



# 6<sup>th</sup> International Conference on Intelligent Environments



**IEEE**

July 19-21, 2010  
(workshops: July 18-19)



Monash University (Sunway campus), Kuala Lumpur, Malaysia

**Web:** <http://intelligentenvironments.org/conferences/ie10>

**Paper submission system** <https://cmt.research.microsoft.com/IE2010/>

Intelligent Environments are everyday settings such as homes, offices, hotels, restaurants, shops, hospitals, teaching-rooms, stage/studios, manufacturing environments, cars, trains, aircraft, boats, cities, public spaces and electronic clothing/fashion that are equipped with advanced networked computer based systems, which enable better or new lifestyles for people. For example, such technology can lead to design of living environments that are more comfortable, usable, productive, secure, caring, social, entertaining or energy efficient.

Each year, the International Conference on Intelligent Environments provides a leading edge forum for scientists, researchers and engineers from industry and academia to present theoretical and practical research results on Intelligent Environments, their multiple aspects and their application in various domains of activity. IE'10 is the sixth edition in a series of highly successful conferences that were organized in Colchester (UK), Athens (Greece), Ulm (Germany), Seattle (USA) and Barcelona (Spain) in the past five years; in 2010, the IE conference will take place in Kuala Lumpur (Malaysia) hosted by the Monash University.

The IE'10 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, Human-Computer Interaction (Speech, Vision and Haptics), Smart Sensors, Affective Systems, Wearables (smart clothes, digital fashion etc), Domestic Robotics, Virtual & Mixed-Reality, Middleware, Networking, Communications, Development/ Testing/ Evaluation Methodologies, Building Architecture, Art and Design, 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.

## Forums:

For updates on the Intelligent Environments research community and conferences, we invite you to join:

**LinkedIn:** <http://www.linkedin.com/e/vgh/2578102/>

**Twitter:** [http://twitter.com/IE\\_Forum](http://twitter.com/IE_Forum)

**WikiCFP:** <http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=7472>

## Important dates:

- Paper submission: 22nd February 2010
- Notification of acceptance: 12th April 2010
- Paper final submission (with revisions): 26th April 2010

---

## Workshops <http://intelligentenvironments.org/conferences/ie10/workshops>

5th Workshop on "Artificial Intelligence Techniques for Ambient Intelligence" (AITAmI 2010) Juan Augusto & Diane Cook

2nd International Workshop on "Smart Offices and Other Workplaces" (SOOW 2010) Peter Mickulecky, Pavel Cech & Carlos Ramos

2nd International Workshop on "Intelligent Environments Supporting Healthcare and Well-being" (WISHWell 2010) John O'Donoghue & Juan C. Augusto

2nd International Workshop on "Ubiquitous Robotics 2010" (UbiRob 2010) A. Sgorbissa, F. Mastrogiovanni & Renato Zaccaria

1st International Workshop on "Sensor Networks and Middleware and Software Architectures" (SAIE 2010) Pablo Haya, German Montoro & Manuel Garcia-Herranz

1st International Workshop on "Creative Science - Science Fiction Prototyping for Research Innovation" Brian David Johnson, Simon Egerton, & Victor Callaghan

1st International Workshop on "Human-Centric Interfaces for Ambient Intelligence" (HCIAmI 2010) Hamid Aghajan & Ramon Lopez-Cozar Delgado

1st International Workshop on "Social Media and Web 2.0 as an Intelligent Environment" (SWIE'2010). Marc Cheong, Vincent Lee & Irwin King

1st International Workshop on "SHASPA Intelligent Shared Spaces – Linking Immersive Virtual Environments to Physical Spaces" David Wortley, Oliver Goh, and Chong-Won Cho

---

## Organizing Committee

### General Chair

Simon Egerton (Monash University, Malaysia)  
Ichiro Satoh (National Institute of Informatics, Tokyo)

### Program Chairs

Victor Callaghan (University of Essex, UK)  
Achilles Kameas (Hellenic Open University)

### Workshops Chairs

Juan Carlos Augusto (University of Ulster, UK)  
Vincent Lee (Monash University, Australia)

### Strategic Planning Chair

Hani Hagras (University of Essex, UK)

### Posters and Short Papers Chairs

Martin Colley (University of Essex, UK)  
Gregory O'Hare (UCD, Ireland)

### Doctoral Colloquium Chairs

Albert Yeap (AUT, New Zealand)  
Dolors Royo (UPC, Spain)

### Online Track Chair

Michael Gardner (University of Essex, UK)

### Publication Chairs

Michael Weber (University of Ulm, Germany)

### Publicity Chairs

Angélica Reyes (UPC, Spain)  
Minjuan Wang (Sand Diego State University, USA)  
Zheng Xiaoxia (Essex University, UK)

### Industrial Liaison Chairs

Wong Chek Yoon (Monash University, Malaysia)  
Brian Johnson (Intel Research Labs, Portland, USA)  
Hiew Pang Leang (BT Malaysian Research Centre)  
Do van Thanh (Telenor R&I, Fornebu, Norway)  
Peter Mueller (IBM Research Lab, Zurich, Switzerland)

### Professional Society Liaison Chairs

Dianne Cook (Washington State University, USA)

### Treasurers

Michael Weber (University of Ulm, Germany)  
Lee Sock Wee (Monash University, Malaysia)

### Student Liaison

Anushia Inthiran (Monash University, Malaysia)  
Shumei Zhang (University of Ulster, UK)

### Web Site Design & Administration Chair

Konstantinos Togias - (CTI, Greece)

### Conference Management System Chair

Jeannette Chin (University of Essex, UK)

### Intelligent Environments Steering Committee (alphabetical listing)

Vic Callaghan (University of Essex)  
Dimitris Charitos (University of Athens)  
Diane Cook (Washington State University, USA)  
Hani Hagras (University of Essex) – President  
Sumi Helal (University of Florida, USA)  
Achilles Kameas (Hellenic Open University, Greece)  
Wolfgang Minker (University of Ulm, Germany)  
George Rousos (University of London, UK)  
Michael Weber (University of Ulm, Germany)

### Regional Area Advisory Chairs

Waleed Abdulla (University of Auckland, New Zealand)  
Susie Daryanti (Universitas Gadjja Mada, Indonesia)  
Victor Zamudio (Instituto Tecnológico De León, Mexico)  
Liping Shen (Shanghai Jiao Tong University, China)  
Borhanuddin Bin Mohd Ali (Universiti Putra Malaysia)  
Chris Fowler (University of Swaziland, Africa)  
Anne Holohan (Trinity College, Dublin, Ireland)  
Fatmah Baothman (King Abdulaziz University, Saudi Arabia)