

Introduction

Dear Colleagues,

it is our pleasure to invite you to participate in the **3rd IET International Conference on Intelligent Environments (IE'07)**, which will be held at Ulm University in Southern Germany from September 24 to September 25, 2007. As the third in a successful series, this conference will provide a leading edge forum for researchers and engineers from across the world to present their latest research and to discuss future directions in the area of IE.

The conference aims at contributing to the realisation of the **Ambient Intelligence** vision, where physical space becomes augmented with computation, communication and digital content, thus transcending the limits of direct human perception. The focus is placed on **Human Computer Interaction in Advanced Inhabitable IE** including, e.g., mechanisms, architectures, design issues, applications, evaluation and tools.

Types of Intelligent Environments range from private to public and from fixed to mobile; some are ephemeral while others are permanent; some change type during their life span. The realisation of Intelligent Environments requires the convergence of different prominent disciplines: **Information and Computer Science, Architecture, Material Engineering, Artificial Intelligence, Sociology and Design**. In addition, technical breakthroughs are required in key enabling technology fields, such as, microelectronics (e.g., miniaturisation, power consumption), communication and networking technologies (e.g., broadband and wireless networks), smart materials (e.g., bio-implants) and intelligent agents (e.g., context awareness and ontologies).

The conference will provide a forum for the presentation of research and applications and for lively discussions among researchers as well as industrialists contributing to the area on IE. The conference is supported by The Institution of Engineering and Technology (IET) and the German Institute of Computer Science (GI).

We welcome you to IE'07!



Wolfgang Minker
Information Technology

Hani Hagra, Victor Callaghan
University of Essex, United Kingdom



Michael Weber
Media Computing,
Ulm University, Germany
General Chairs

Achilles Kameas
Hellenic Open University and Computer
Technology Institute, Greece
Programme Chairs

Conference Themes

Papers may discuss theories, applications, evaluation, limitations, general tools and techniques. Discussion papers that critically evaluate approaches or processing strategies and prototype demonstrations are especially welcome.

- Ambient Intelligence
- Knowledge management
- Networking and Communications
- Ubiquitous and Pervasive Computing
- Context aware Computing
- Adaptiveness and Proactiveness
- Human-Computer Interaction
- Multimodal Spoken Language Dialogue Systems
- Social Aspects
- Domestic and Rehabilitation Robotic systems
- Smart sensors and actuators
- Virtual Environments
- Art and Design
- Architectural Aspects

Conference Programme

The conference aims to promote a holistic, systemic view of the emerging discipline, help stimulate research and break down barriers between the different disciplines by:

- Showcasing the state of the art in Intelligent Environments research
- Providing a forum for groups and researchers to discuss results, issues and other factors towards IE realisation
- Offering the opportunity to researchers working on IE research to forge collaborations, create constituencies and exchange ideas
- Identifying theoretical barriers and technology limitations
- Exploring how the contribution of different disciplines can create new research directions in IE research
- Identifying best cases and design patterns
- Identifying the social implications of the deployment of IE applications

The format of the conference will be a mixture of oral and poster sessions. A number of keynotes will be given by internationally recognised experts from the area of Intelligent Environments.

A number of poster sessions will be succeeded by a discussion session focussing on the subject of the session. It is our belief that this general format will ensure a lively and valuable conference.

The organisers would like to encourage researchers and industrialists to take the opportunity to bring their applications as well as their demonstrator prototypes and design tools for demonstration to the conference.

The official language of the conference is English. The proceedings will be published by The IET.

Timing and Dates

March 15, 2007

May 15, 2007

June 15, 2007

July 15, 2007

September 1, 2007

September 24-25, 2007

Paper Submission Deadline

Notification of acceptance/rejection

Camera ready papers due

Deadline for early bird registration

Final programme available on web

Conference

Further Information: <http://www.uni-ulm.de/ie07/>



IE07

3rd IET International Conference on
Intelligent Environments
September 24 - 25, 2007 Ulm, Germany



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