



### **HCI International 2013**

15th International Conference  
on Human-Computer Interaction  
21-26 July 2013, Las Vegas, NV, USA  
The Mirage Hotel  
[www.hcii2013.org](http://www.hcii2013.org)

### **Call for Participation**

for an affiliated conference  
in the context of HCI International 2013

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## **DAPI 2013**

**First International Conference on Distributed,  
Ambient and Pervasive Interactions**

**Chairs: Norbert Streitz, Germany and  
Constantine Stephanidis, Greece**

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Emerging “intelligent” or “smart” environments react in an attentive, adaptive, and active (sometimes proactive) way to the presence and activities of humans and objects in order to provide intelligent/smart services to the inhabitants of these environments. Related technologies integrate sensing capabilities, processing power, reasoning mechanisms, networking facilities, applications and services, digital content, and actuating capabilities distributed in the surrounding environment. While a wide variety of different technologies is involved, the underlying goal is to either entirely hide their presence from users or to smoothly integrate within the surrounding context as enhanced environment artifacts rather than as technological gadgets. This way, the computing-oriented connotation of technology essentially fades-out or even disappears in the environment, providing seamless and unobtrusive interaction paradigms. Therefore, people and their social situation, ranging from individuals to groups, be them work groups, families or friends and their corresponding environments (office buildings, homes, public spaces, etc) are at the centre of the design considerations. The conference objective is to provide an international forum for the dissemination and exchange of scientific information on theoretical, generic, and applied issues of Distributed, Ambient and Pervasive Interaction in novel technological environments.

The HCII 2013 Conference Proceedings will be published by **Springer** in a multi-volume set. Papers will appear in volumes of the LNCS and LNAI series. Extended Poster abstracts will be published in the CCIS series. All volumes will be available on-line through the SpringerLink Digital Library, readily

accessible by all subscribing libraries around the world, and will be indexed by a number of services including EI and ISI CPCI-S.

Areas of interest of the DAPI 2013 Conference include, but are not limited to those listed here:

- Adaptivity
- Aesthetics issues in smart and intelligent environments
- Affective computing
- Ambient Assisted Living (AAL)
- Ambient and pervasive games
- Ambient and pervasive displays
- Architectures for DAPI
- Audiovisual interactions
- Awareness in distributed, ambient and pervasive environments
- Cognitive demands in DAPI
- Context-awareness in smart and intelligent environments
- Collective ambient intelligence
- Crowd and swarm-based interaction
- Design principles and guidelines for DAPI
- Development methods and tools for DAPI
- Embodied interaction
- Evaluation methods and techniques for DAPI
- Groupware for distributed, ambient and pervasive environments
- Haptic interaction
- Human activity modeling and support
- Implicit vs. explicit interaction
- Interaction in hybrid environments
- Interactive matter and physical computing
- Multimodal interaction
- Multiuser DAPI
- Natural Interaction
- Sensor-augmented environments
- Self-organization in socially aware ambient systems
- Simulation environments
- Social aspects of interaction in smart and intelligent environments
- Smart artifacts and smart environments
- Smart landscapes
- Smart cities
- Space-time dispersed interaction
- Spatial and embodied smartness
- Symmetric interaction in real and virtual worlds
- Tangible interaction
- User experience of privacy and trust in pervasive ambient environments
- User requirements for DAPI