

IWSAWC 2007 – The 7th International Workshop on Smart Appliances and Wearable Computing

In Conjunction with ICDCS 2007
June 29th 2007, Toronto, Canada

Important Dates

Paper submissions: January 10, 07

Notification: February 15, 07

Final paper deadline: March 31, 07

Workshop date: June 29th, 07

Organising Committee

Kristof Van Laerhoven
TU Darmstadt, Germany
Yoshihiro Kawahara
University of Tokyo, Japan
Kent Lyons
GeorgiaTech, USA
Masayuki Iwai
Keio University, Japan

Programme Committee

Martin Strohbach
NEC Europe Ltd. Labs, Germany
Rene Mayrhofer
Lancaster University, UK
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ETH Zurich, Switzerland
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Philips Research, The Netherlands
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PARC, USA
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University of South Australia
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Shibaura Institute of Technology, Japan
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Osaka University, Japan
Daisuke Morikawa
KDDI, Japan
Lucy Dunne
UCD, Ireland
Jonna Häkkinä
Nokia Multimedia, Finland

Previous Workshops

IWSAWC 2001	Phoenix, AZ, USA
IWSAWC 2002	Vienna, Austria
IWSAWC 2003	Providence, RI, USA
IWSAWC 2004	Hachioji, Tokyo, Japan
IWSAWC 2005	Columbus, Ohio, USA
IWSAWC 2006	Lisbon, Portugal

<http://www.mis.informatik.tu-darmstadt.de/events/iwsawc2007>

Description

In the past decade, technological developments have led to research in embedded sensing, computation, communication and actuation in personal and everyday objects, giving them the possibility to create large scale systems of interacting smart appliances, physical objects and wearable computers. This penetration of computation in all aspects of everyday life and work requires thorough exploration to support such scenarios beyond the lab environment.

The diversity of systems, devices, services and applications and their distributed nature raises important questions about collaboration between system components. Appropriate solutions often have to take potential resource limitations of connected devices and appliances into account. Contextual awareness, digital representations of physical system components, as well as access methods and processing of distributed information are of specific importance – especially as smart devices and objects along with their services are seamlessly integrated in the real world to support users in their daily living activities.

IWSAWC is traditionally aimed at bringing together young and budding researchers in a cosy but selective workshop. It serves as a forum for the exchange of new findings in collaborative technologies and smart appliances deployed in real world environments. We intend to bring together practitioners from academia as well as industry to present their most recent research in these rapidly moving fields.

Scope

Technical papers on smart appliances, wearable systems and collaborative technologies are solicited for oral presentation at IWSAWC 2007. Papers reporting new developments in computing with smart devices such as PDAs, wearable computers, and cellular phones as well as new insights in instrumentation of everyday artefacts and their infrastructures will be invited for presentation.

Workshop topics include but are not limited to: Enabling Technologies, Collaboration Concepts, Infrastructure Solutions, Home and Office Appliances, Novel Smart Objects, Portable Devices and Smart Sensors, Wireless-phone Computing, Home Networks and Wearable Networks, Networking Protocols, Security and Privacy Aspects, Wearable Computers and PDAs, Software and Service Architectures, Location and Context-Aware Computing

In addition, a session of posters accompanied by demonstrations is held for presenting latest developments and active discussions.

Accepted full-paper submissions will be published by IEEE Computer Society Press as part of the ICDCS Workshop Proceedings.