

SYMPOSIUM
PROGRAMME





The Second International Symposium on Handheld and Ubiquitous Computing



Hosted by HP Research Laboratories, Bristol UK
25-27 September 2000

Personal, handheld and wearable technologies, coupled with ubiquitous environment-based technologies, will transform our access to information and computing. Artefacts in the physical world will become computationally accessible, and our everyday environment will become a powerful ubiquitous computing interface.

The Second International Symposium on Handheld and Ubiquitous Computing (huc2k) will again bring together researchers and practitioners to explore the links and synergies between personal and environment-based technologies.



MONDAY 25 AM

08.30 KEYNOTE: Tim Kindberg

Internet & Mobile Systems Laboratory, HP Laboratories (US)

09.00 INTELLIGENT ENVIRONMENTS

Event-Driven, Personalizable, Mobile Interactive Spaces
Theo Kanter, Ericsson Radio Systems (S)

EasyLiving: Technologies for Intelligent Environments
Barry Brumitt, Brian Meyers, John Krumm, Amanda Kern and Steven Shafer, Microsoft (US)

Beyond the Control Room - Mobile Devices for Spatially Distributed Interaction on Industrial Process Plants
Jörn Nilsson, Tomas Sokoler, Thomas Binder and Nina Wetcke, The Interactive Institute (S)

Using Mobile Code to Build a Smart Kitchen (short paper)
Tore Urnes, Arne Hatlen, Rune Johansen and Øystein Myhre, Telenor Research and Development (NO)

10.40



11.20 USER EXPERIENCE

Using Information Links and Information Views to Navigate and Visualize Information on Small Displays
Staffan Björk, Johan Redström, Peter Ljungstrand and Lars Erik Holmquist, The Interactive Institute (S)

A Comparison of Free Interaction Modes for Mobile Layout System
Zhiwei Guan, Yang Li, Hongan Wang and Guozhong Dai, Intelligent Engineering Laboratory, Institute of Software, Chinese Academy of Sciences (CN)

Real-World Graphical User Interfaces
Toshiyuki Masui and Itiro Sio, Sony Computer Science Laboratories (JP)

13.00



MONDAY 25 PM

14.20 MULTIMEDIA AUGMENTATION

Lessons Learned From the Design of a Mobile Multimedia System
Gerard J.M. Smit and Paul J.M. Havinga, University of Twente (NL)

Notable: At the Intersection of Annotations and Handheld Technology
Michelle Baldonado, Steve Cousins, Jacek Gwizdka and Andreas Paepcke, Xerox PARC, University of Toronto, Stanford University (US)

Augmenting Photographs with Audio (short paper)
David Frohlich, Guy Adams and Ella Tallyn, HP Laboratories (GB)

Presenting Dynamic Information on Mobile Computers (short paper)
Stephen Brewster, University of Glasgow (GB)



15.40

16.20 LOCATION-BASED SERVICES

Creating Web Representations for Places
Deborah Caswell and Philippe Debaty, HP Laboratories (US)

A Context-sensitive Nomadic Information System as an Exhibition Guide
Reinhard Oppermann and Marcus Specht, GMD - German National Research Center for Information Technology (D)

Exploiting Location-based Composite Devices to Support and Facilitate Situated Ubiquitous Computing
Thai-Lai Pham, Georg Schneider and Stuart Goose, Siemens Corporate Research (US)

Semantic Location (short paper)
Salil Pradhan, HP Laboratories (US)

Look Ma', My Homepage is Mobile! (short paper)
Roger Kehr and Andreas Zeidler, Deutsche Telekom AG and Darmstadt University of Technology (D)

18.00 BUFFET AND DEMONSTRATIONS



19.30 EVENING SPEAKER: STELARC

TUESDAY 26 AM

08.30 KEYNOTE: DAVID MAY FRS

Department of Computer Science, University of Bristol (GB)

09.00 CONTEXT-AWARE MESSAGING

Location-aware Information Delivery with comMotion
Natalia Marmasse and Chris Schmandt, MIT Media Laboratory (US)

CybreMinder: A Context-Aware System for Supporting Reminders
Anind K. Dey and Gregory D. Abowd, Georgia Institute of Technology (US)

Context Aware Messaging Service (short paper)
Yasuto Nakanishi, Takayuki Tsuji, Minoru Ohyama and Katsuya Hakozaiki, University of Electro-Communications and NTT (JP)

Context-Aware Telephony Over WAP (short paper)
Albrecht Schmidt, Antti Takaluoma and Jani Mäntyjärvi, University of Karlsruhe (D) and Nokia Mobile Phones (FIN)

Memoclip (short paper)
Michael Beigl, University of Karlsruhe (D)

10.40



11.20 INTELLIGENT DEVICES

Using Handheld Devices in Synchronous Collaborative Scenarios
Jörg Roth and Claus Unger, University of Hagen (D)

A Smartcard can be used as a PDA
Tage Stabell-Kulø, University of Tromsø (NO)

Magic Wardrobe: Situated Shopping from Your Own Bedroom (short paper)
Dadong Wan, Andersen Consulting (US)

TUESDAY 26 PM

The Memory Box (short paper)
David Frohlich and Rachel Murphy, HP Laboratories (GB)

The Shopping Jacket (short paper)
Cliff Randell and Henk Muller, University of Bristol (GB)

13.00



14.20

INFRASTRUCTURE ENGINEERING

Using Dynamic Mediation to Integrate COTS Entities
in a Ubiquitous Computing Environment
Emre Kiciman and Armando Fox, Stanford University (US)

EventManager: Support for the Peripheral Awareness of Events
Joseph F. McCarthy and Theodore D. Anagnost, Andersen Consulting (US)

WEARABLE COMPUTING

Safety and Comfort of Eye Glass Displays
E. Geelhoed, M.Falahee and K.Latham, Aston University, HP Laboratories (GB)

Disseminating Trust Information in Wearable Communities (short paper)
*Jay Schneider, Gerd Kortuem, Chad Giusti, Joe Jager, Steve Fickas and Zary Segall,
University of Oregon (US)*

15.40



16.20

KEYNOTE: Jakub Wejchert

The European Commission

17.00

HUC 2001 *Gregory Abowd, Georgia Institute of Technology (US)*

17.15

BREAK

20.00

SYMPOSIUM DINNER Thornbury Castle



WEDNESDAY 27

AM

PALM OS PROGRAMMING (tutorial)
Steve Mann (US)

INFRASTRUCTURE FOR SMART DEVICES (workshop)
*Tim Kindberg, Friedemann Mattern and Joachim Posegga, HP Labs (US),
ETH Zurich (CH), Deutsche Telekom (D)*

PM

BUILDING CONTEXT-AWARE APPLICATIONS (tutorial)
Anind K. Dey, Georgia Institute of Technology (US)

HUC: A ROLE FOR ACADEMIC RESEARCH (workshop)
Nigel Birch, EPSRC (GB)

RESOURCE-SENSITIVE HCI (workshop)
Murray Crease, Stephen Brewster and Philip Gray, University of Glasgow (GB)

FULL DAY

DESIGNING INFORMATION APPLIANCES (tutorial)
*Margot Brereton, Ian MacColl and Michael Docherty, University of Queensland
(AUS)*

PROGRAMME COMMITTEE

Gregory Abowd, Georgia Tech
(US)

Hans-W. Gellersen,
University of Karlsruhe (D)

Tom Moran, Xerox PARC
(US)

Jun Rekimoto, Sony CSL
(JP)

Chris Schmandt, MIT
Media Lab (US)

Phil Stenton, HP Laboratories
(GB)

Peter Thomas (GB), Symposium
Chair



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