Program at-a-Glance

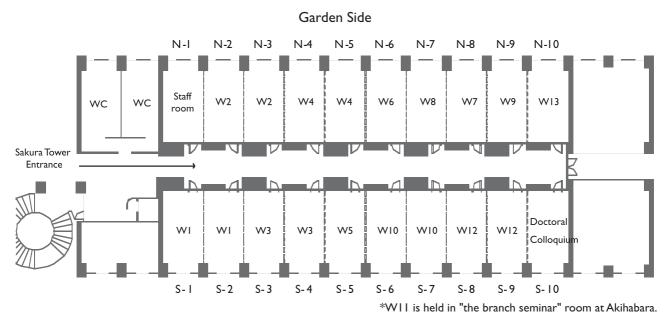|	11 Sun	12 Mon	13 Tue	14 Wed
8:30	**Workshops** 8:30-18:30			
9:00		**Opening**	**Paper Session 3** Location-I 9:00-10:15	**Paper Session 6** Studies-I 9:00-10:15
		Opening Keynote Mario Tokoro 9:30-10:40		
10:00			Coffee Break	Coffee Break
		Coffee Break	**Paper Session 4** Location-II 10:45-12:00	**Paper Session 7** Studies-II 10:45-12:00
11:00		**Paper Session 1** Systems-I 11:10-12:00		
12:00		Lunch	Lunch	Lunch
13:00				
		Paper Session 2 Systems-II 13:45-15:00	**Video Session** 13:45-15:00	**Paper Session 8** Studies-III 13:45-15:00
14:00				
15:00		Coffee Break	Coffee Break	Coffee Break
		1-minute Madness 15:30-16:40	**Paper Session 5** Location-III 15:30-16:20	**Closing Keynote** Naoto Fukasawa 15:30-16:40
16:00				
		Demo & **Poster 1** 16:40-18:50	**Demo** & **Poster 2** 16:20-17:30	
17:00				
		Invited Demos 17:40-18:50	UbiComp Town Meeting 17:30-18:30	
18:00				
	Workshop Reception 18:30-20:30	Bus Transfer	**Conference Banquet** 18:30-21:30	
19:00		**Reception** at Roppongi Hills 19:30-22:00		
20:00				
21:00				
22:00				

Workshops & Doctoral Colloquim

W1   Ubiquitous Computing in Next Generation Conference Rooms:
             Interweaving Rich Media, Mobile Devices and Smart Environments

W2   Pervasive Image Capture and Sharing: New Social Practices and Implications for Technology

W3   Smart Object Systems

W4   Privacy in Context

W5   Ubiquitous Computing, Entertainment, and Games

W6   The Spaces in-between: Seamful vs. Seamless Interactions

W7   Situating Ubiquitous Computing in Everyday Life: Bridging the Social and Technical Divide

W8   UbiPhysics: Designing for Physically Integrated Interaction

W9   Smart Environments and Their Applications to Cultural Heritage

W10   Monitoring, Measuring, and Motivating Exercise: Ubiquitous Computing to Support Physical Fitness

W11   Metapolis and Urban Life

W12   ubiPCMM: Personalized Context Modeling and Management for UbiComp Applications

W13   Ubiquitous Wireless Communications

Workshop reception

Sep. 12th 18:30 - 20:30   Garden Side(N-1, ..., N-10)

*W11 is held in "the branch seminar" room at Akihabara.

ubicomp `05

Program

12 Monday

09:30-10:40
Opening Keynote

K-01 **Tools, Environment, and Society**
Mario Tokoro, Ph.D (President, Sony Computer Science Laboratories, Inc., Senior Research Fellow, Sony Corporation)

11:10-12:00
Paper Session 1: Systems-I

R-01 **CarpetLAN: A Novel Indoor Wireless(-like) Networking and Positioning System**
Masaaki Fukumoto (NTT DoCoMo Multimedia Labs), Mitsuru Shinagawa (NTT Microsystem Integration Labs)

R-02 **u-Texture: Self-Organizable Universal Panels for Creating Smart Surroundings**
Naohiko Kohtake, Ryo Ohsawa, Takuro Yonezawa, Yuki Matsukura, Masayuki Iwai, Kazunori Takashio, Hideyuki Tokuda (Keio University)

13:45-15:00
Paper Session 2: Systems-II

R-03 **Fast and Robust Interface Generation for Ubiquitous Applications**
Krzysztof Gajos, David Christianson, Raphael Hoffmann, Tal Shaked, Kiera Henning, Jing Jing Long, Daniel S. Weld (University of Washington)

R-04 **Analysis of Chewing Sounds for Dietary Monitoring**
Oliver Amft (ETH Zürich), Mathias Stäger (ETH Zürich), Paul Lukowicz (University for Health Sciences, Medical Informatics and Technology), Gerhard Tröster (ETH Zürich)

R-05 **Preventing Camera Recording by Designing a Capture-Resistant Environment**
Khai N. Truong, Shwetak N. Patel, Jay W. Summet, Gregory D. Abowd (Georgia Institute of Technology)

17:40-18:50
Invited Demos

ID-01 **Network Robots in Motion - Ubiquitous Network Meets Robots -**
Norihiro Hagita, Takanori Miyamoto, Hiroshi Ishiguro, Kazuhiro Kuwabara, Masahiro Shiomi, Satoshi Koizumi, Takahiro Miyashita, Takayuki Kanda (ATR Intelligent Robotics and Communication Laboratories), Ken-ichiro Shimokura, Yoshito Nanjyo, Hirohisa Tezuka, Norifumi Katafuchi (NTT Cyber Solutions Laboratories), Miwako Doi, Tetsuo Hasegawa, Kouji Ueno (TOSHIBA Corporation), Keiichi Kemmotsu, Yoshihiro Koketsu (Mitsubishi Heavy Industries, Ltd.), and Hirotada Yaginuma (Matsushita Electric Industrial Co., Ltd.)

ID-02 **Listen and Search**
Masakazu Nishimoto (MEDIA SOCKET Inc.)

ID-03 **Ubiquitous Community Support System for UbiComp2005**
Takuichi Nishimura, Yutaka Matsuo, Masahiro Hamasaki, Noriyuki Fujimura, Keisuke Ishida, Tom Hope, Yoshiyuki Nakamura (National Institute of Advanced Industrial Science and Technology), Hideaki Takeda (National Institute of Informatics), Kosuke Numa (The Graduate University for Advanced Studies), Hiroshi Nagata, Osamu Nakagawa, Eiji Shinbori (Dai Nippon Printing Co., Ltd.), Satoshi Fujiyoshi, and Kazuya Sakamoto (Alpha Systems Co., Ltd.), and Toru Takahashi (ATR Media Information Science Laboratories)

Program

13 Tuesday

09:00-10:15

Paper Session 3: Location-I

R-06

Self-Mapping in 802.11 Location Systems
Anthony LaMarca, Jeffrey Hightower, Ian Smith, Sunny Consolvo (Intel Research Seattle)

R-07

A Study of Bluetooth Propagation Using Accurate Indoor Location Mapping
Anil Madhavapeddy, Alastair Tse (University of Cambridge)

R-08

A New Method for Auto-calibrated Object Tracking
Paul Duff, Michael McCarthy, Angus Clark, Henk Muller, Cliff Randell (University of Bristol), Shahram Izadi (Microsoft Research, Cambridge),
Andy Boucher, Andy Law, Sarah Pennington, Richard Swinford (Royal College of Art)

10:45-12:00

Paper Session 4: Location-II

R-09

Accurate GSM Indoor Localization
Veljo Otsason (University of Tartu), Alex Varshavsky (University of Toronto), Anthony LaMarca (Intel Research Seattle), Eyal de Lara (University of Toronto)

R-10

Learning and Recognizing the Places We Go
Jeffrey Hightower, Sunny Consolvo, Anthony LaMarca, Ian Smith (Intel Research Seattle), Jeff Hughes (University of Washington)

R-11

Visually Interactive Location-Aware Computing
Kasim Rehman , Frank Stajano , George Coulouris (University of Cambridge)

13:45-15:00

Video Session

15:30-16:20

Paper Session 5: Location-III

R-12

DigiDress: A Field Trial of an Expressive Social Proximity Application
Per Persson , Jan Blom , Younghee Jung (Nokia Corporation, Finland)

R-13

Control, Deception, and Communication: Evaluating the Deployment of a Location-Enhanced Messaging Service
Giovanni Iachello (Georgia Institute of Technology), Ian Smith (Intel Research Seattle), Sunny Consolvo (Intel Research Seattle), Gregory D. Abowd (Georgia Institute of Technology), Jeff Hughes (University of Washington), James Howard (University of Washington), Fred Potter (University of Washington), James Scott (Intel Research Cambridge), Timothy Sohn (University of California, San Diego), Jeffrey Hightower (Intel Research Seattle), Anthony LaMarca (Intel Research Seattle)

Program

14 Wednesday

09:00-10:15

Paper Session 6: Studies-I

R-14

Place-Its: A Study of Location-Based Reminders on Mobile Phones
Timothy Sohn, Kevin A. Li, Gunny Lee (University of California, San Diego),
Ian Smith (Intel Research Seattle), James Scott (Intel Research Cambridge),
William G. Griswold (University of California, San Diego)

R-15

Time, Ownership and Awareness: The Value of Contextual Locations in the Home
Kathryn Elliot , Carman Neustaedter , Saul Greenberg (University of Calgary)

R-16

Living for the Global City: Mobile Kits, Urban Interfaces, and Ubicomp
Scott D. Mainwaring, Ken Anderson, Michele F. Chang
(People and Practices Research Lab, Intel Corporation)

10:45-12:00

Paper Session 7: Studies-II

R-17

From Interaction to Participation: Configuring Space Through Embodied Interaction
Amanda Williams , Eric Kabisch , Paul Dourish (University of California, Irvine)

R-18

Scanning Objects in the Wild: Assessing an Object Triggered Information System
A.J. Bernheim Brush , Tammara Combs Turner , Marc A. Smith , Neeti Gupta (Microsoft Research)

R-19

Abaris: Evaluating Automated Capture Applied to Structured Autism Interventions
Julie A. Kientz (Georgia Institute of Technology), Sebastian Boring (Georgia Institute of Technology and University of Munich), Gregory D. Abowd (Georgia Institute of Technology), Gillian R. Hayes (Georgia Institute of Technology)

R-20

To Frame or Not to Frame:
The Role and Design of Frameless Displays in Ubiquitous Applications
Claudio Pinhanez , Mark Podlaseck (IBM Research)

13:45-15:00

Paper Session 8: Studies-III

R-21

Picking Pockets on the Lawn:
The Development of Tactics and Strategies in a Mobile Game
Louise Barkhuus, Matthew Chalmers, Paul Tennent, Malcolm Hall, Marek Bell, Scott Sherwood, Barry Brown (University of Glasgow)

R-22

ActiveTheatre
– A Collaborative, Event-Based Capture and Access System for the Operating Theatre
Thomas Riisgaard Hansen , Jakob E. Bardram (University of Aarhus)

15:30-16:40

Closing Keynote

K-02

Design Dissolving in Behavior
Naoto Fukasawa (Product designer, The President of NAOTO FUKASAWA DESIGN, Professor, Musashino Art University, Visiting Professor, Tama Art University, Visiting Lecturer, Interfaculty Initiative in Information Studies at University of Tokyo)