UbiComp 2008

Tenth International Conference on Ubiquitous Computing

Conference Schedule

September 21 - 24, 2008
COEX, Seoul, Korea

Organized by Sungkyunkwan University and UCN, Korea

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Message of Greeting

We cordially welcome you to UbiComp 2008 held in Seoul, Korea. UbiComp has been a venue for dissemination of state-of-the-art research results in ubiquitous computing. This year is the tenth year of this international conference series, and its importance is increasing as ubiquitous computing technology and terminology are witnessed in every walk of life. UbiComp 2008 is in cooperation with ACM, and sponsored by Microsoft, Nokia, Samsung SDS, KETI, ED Co., Sungkyunkwan University, and Korea Research Foundation.

This year we attracted 226 high quality paper submissions from all over the world. Among them, 42 papers comprising 37 and 5 notes were selected full papers to be included in the technical program. The technical program of UbiComp 2008 achieved a high quality through a stringent review process. The program committee consists of 31 expert members led by Joe McCarthy, James Scott, and Woontack Woo. Every submitted paper received at least 4 reviews. Most reviews were of journal paper review quality, and the paper selection process was extremely careful. This greatly contributed to produce a high quality program, and at the same time, enhance the quality of each respective paper submitted. A distinguished speaker was also invited for keynote speech, Dr. Shim Yoon from Samsung SDS, who will enlighten the audiences on the implementation of ubiquitous concept in U-city.

Along with the symposium, we also offer seven workshops for emphasizing the practical aspect of ubiquitous issues in real world problems. This will give researchers and engineers opportunities for sharing their ideas and solutions of various challenging problems in the related areas. In addition to this, Demo, Video, Panel, Doctoral Colloquium session further extend the scope of the program.

The city of Seoul is a mega-center of computer and communication academia/industry. It also houses a variety of cultural and modern settings. The participants of UbiComp 2008 will be able to enjoy not only the interesting technical program but also the unique metropolitan atmosphere.

As General Co-Chairs, we sincerely appreciate all those who sincerely took part in the symposium; the Steering Committee, Organizing Committee, Program Committee, the authors, the reviewers, and audiences.

General Co-Chair
Hee Yong Youn
Sungkyunkwan University, Korea

General Co-Chair
We-Duke Cho
Ajou University, Korea

Organizing Committee

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SECRATARIAT	So Young Bae, Sungkyunkwan Univ., Korea Yun Ju Park, CUS (Korea)

Program Committee

UbiComp 2008 Schedule

Time	21(Sun)	22(Mon)	23(Tue)	24(Wed)
08:00		Registration	Registration	Registration
08:15	Registration	Registration	Registration	Registration
08:30	Registration	Registration	Registration	Registration
08:45	Registration	Welcome Session	Session 3	Session 7
09:00	Workshops & Doctoral Colloquium	Welcome Session	Session 3	Session 7
09:15	Workshops & Doctoral Colloquium	Keynote Speech	Session 3	Session 7
09:30	Workshops & Doctoral Colloquium	Keynote Speech	Session 3	Session 7
09:45	Workshops & Doctoral Colloquium	Keynote Speech	Session 3	Session 7
10:00	Workshops & Doctoral Colloquium	Keynote Speech	Session 3	Session 7
10:15	Workshops & Doctoral Colloquium	Break	Break	Break
10:30	Break	Break	Break	Break
10:45	Break	Session 1	Session 4	Session 8
11:00	Workshops & Doctoral Colloquium	Session 1	Session 4	Session 8
11:15	Workshops & Doctoral Colloquium	Session 1	Session 4	Session 8
11:30	Workshops & Doctoral Colloquium	Session 1	Session 4	Session 8
11:45	Workshops & Doctoral Colloquium	Session 1	Session 4	Session 8
12:00	Workshops & Doctoral Colloquium	Session 1	Session 4	Session 8
12:15	Lunch	Lunch	Lunch	Lunch
12:30	Lunch	Lunch	Lunch	Lunch
12:45	Lunch	Lunch	Lunch	Lunch
13:00	Lunch	Lunch	Lunch	Lunch
13:15	Lunch	Lunch	Lunch	Lunch
13:30	Lunch	Session 2	Session 5	Session 9
13:45	Workshops & Doctoral Colloquium	Session 2	Session 5	Session 9
14:00	Workshops & Doctoral Colloquium	Session 2	Session 5	Session 9
14:15	Workshops & Doctoral Colloquium	Session 2	Session 5	Session 9
14:30	Workshops & Doctoral Colloquium	Session 2	Session 5	Session 9
14:45	Workshops & Doctoral Colloquium	Session 2	Session 5	Session 9
15:00	Break	Session 2	Session 5	Session 9
15:15	Break	Session 2	Session 5	Session 9
15:30	Break	Session 2	Session 5	Session 9
15:45	Workshops & Doctoral Colloquium	Break	Break	Break
16:00	Workshops & Doctoral Colloquium	Break	Break	Break
16:15	Workshops & Doctoral Colloquium	One Minute Madness	Session 6	Panel Session
16:30	Workshops & Doctoral Colloquium	One Minute Madness	Session 6	Panel Session
16:45	Workshops & Doctoral Colloquium	One Minute Madness	Session 6	Panel Session
17:00	Workshop Reception	One Minute Madness	Session 6	Panel Session
17:15	Workshop Reception	Poster, Demo and Video Reception	Session 6	Panel Session
17:30	Workshop Reception	Poster, Demo and Video Reception	Session 6	Panel Session
17:45	Workshop Reception	Poster, Demo and Video Reception	Town Hall Meeting	Closing
18:00	Workshop Reception	Poster, Demo and Video Reception	Town Hall Meeting	Closing
18:15	Workshop Reception	Poster, Demo and Video Reception	Town Hall Meeting	Closing
18:30	Workshop Reception	Poster, Demo and Video Reception	Break	
18:45	Workshop Reception	Poster, Demo and Video Reception	Break	
19:00			Conference Dinner	

Sunday, September 21, 2008

08:15 ~ 09:00
Conference Center
320AB

Registration

09:00 ~ 17:00
Conference Center
320A
Conference Center
320B
Conference Center
320C
Conference Center
321A
Conference Center
321B
Conference Center
321C
Conference Center
330A
Conference Center
330B

Workshops & Doctoral Colloquium

Devices that Alter Perception (DAP 2008) - half-day workshop

Ubiquitous Systems Evaluation (USE '08) - half-day workshop

2nd International Workshop on Design and Integration Principles for Smart Objects (DIPSO 2008) - full-day workshop

Ambient Information Systems – full-day workshop with open attendance

Ubiquitous Sustainability (Citizen Science & Activism) - full-day workshop

Automated Journeys - full-day workshop

UbiMEET: Design and Evaluation of Smart Environments in the Workplace - full-day workshop

Doctoral Colloquium (List at the back)

17:00 ~ 19:00
Conference Center
320AB

Workshop reception

Monday, September 22, 2008

08:00 ~ 08:45
Grand Conference
Room 401

Registration

08:45 ~ 09:15
Grand Conference
Room 401

Welcome session

General Co-Chair : Hee Yong Youn, Sungkyunkwan University, Korea

09:15 ~ 10:15
Grand Conference
Room 401

Keynote speech
Realizing the Ubiquitous City,
Dr. Shim Yoon, Vice President of Samsung SDS, Korea

10:15 ~ 10:45

Break

10:45 ~ 12:30
Grand Conference
Room 401

Session 1 - Activity sensing
Accurate Activity Recognition in a Home Setting
T. van Kasteren, A. Noulas, G. Englebienne, B. Kröse *(University of Amsterdam)*
Discovery of Activity Patterns using Topic Models
T. Huynh, M. Fritz, B. Shiele *(TU Darmstadt)*
Dealing with Sensor Displacement in Motion-Based Onbody Activity Recognition Systems
K. Kunze, P. Lukowicz (University of Passau)
Real World Activity Recognition with Multiple Goals
D. H. Hu, S. J. Pan, V. W. Zheng, N. N. Liu, Q. Yang *(Hong Kong University of Science and Technology)*
Improving the Recognition of Interleaved Activities *(Note)*
J. Modayil, T. Bai, H. Kautz *(University of Rochester)*

12:30 ~ 13:45   *Lunch*

13:45 ~ 15:45
Grand Conference
Room 401

Session 2 - Portable and wearable

Lifelogging Memory Appliance for People with Episodic Memory Impairment
M. L. Lee, A. K. Dey (*Carnegie Mellon University*)

Flowers or a Robot Army? Encouraging Awareness & Activity with Personal, Mobile Displays
S. Consolvo (*Intel Research Seattle and University of Washington*),
P. Klasnja, D. W. McDonald (*University of Washington*), D. Avrahami (*Intel Research Seattle*),
J. Froehlich (*University of Washington*), L. LeGrand (*Intel Research Seattle*),
R. Libby, K. Mosher (*University of Washington*),
J. A. Landay (*Intel Research Seattle and University of Washington*)

Online Everywhere: Evolving Mobile Instant Messaging Practices
D. J. Patterson, C. Baker, X. Ding, S. J. Kaufman, K. Liu, A. Zaldivar (*University of California, Irvine*)

Quantitative Investigation of Inertial Power Harvesting for Human-Powered Devices
J. Yun (*Georgia Institute of Technology*), S. Patel (*University of Washington*),
M. Reynolds (*Duke University*), G. Abowd (*Georgia Institute of Technology*)

It's in Your Eyes - Towards Context-Awareness and Mobile HCI Using Wearable EOG Goggles
A. Bulling, D. Roggen, G. Tröster (*ETH Zurich*)

15:45 ~ 16:15   *Break*

16:15 ~ 17:15
Grand Conference
Room 401

One Minute Madness

17:15 ~ 19:00
Conference Center
320BC
Conference Center
321BC
Grand Conference
Room 401

Poster, Demo and Video Reception (List at the back)

Poster

Demo

Video

Tuesday, September 23, 2008

08:00 ~ 08:45
Grand Conference
Room 401

Registration

08:45 ~ 10:15
Grand Conference
Room 401

Session 3 - Location Sensing

Wideband Powerline Positioning for Indoor Localization
E. P. Stuntebeck (*Georgia Institute of Technology*), S. N. Patel (*University of Washington*),
T. Robertson (*Georgia Institute of Technology*), M. S. Reynolds (*Duke University*),
G. D. Abowd (*Georgia Institute of Technology*)

CILoS: A CDMA Indoor Localization System
W. ur Rehman, E. de Lara, S. Saroiu (*University of Toronto*)

Pedestrian Localization for Indoor Environments
O. Woodman, R. Harle (*University of Cambridge*)

Localization in Mobile Ad Hoc Networks Using Cumulative Route Information
J. Koo, J. Yi, H. Cha (*Yonsei University*)

10:15 ~ 10:45   *Break*

10:45 ~ 12:15
Grand Conference
Room 401

Session 4 - UbiComp Methods and Tools

Interactionist AI and the Promise of Ubicomp, or, How to Put your Box in the World without Putting the World in your Box

L. Leahu, P. Sengers (*Cornell University*),
M. Mateas (*University of California, Santa Cruz*)
On Using Existing Time-Use Study Data for Ubiquitous Computing Applications
K. Partridge, P. Golle (*Palo Alto Research Center*)
Using Wearable Sensors and Real Time Inference to Understand Human Recall of Routine Activities
P. Klasnja, B. L. Harrison, L. LeGrand, A. LaMarca (*Intel Research Seattle*),
J. Froehlich (*University of Washington*),
S. E. Hudson (*Carnegie Mellon University*)
Using Visualizations to Increase Compliance in Experience Sampling *(note)*
G. Hsieh, I. Li, A. Dey, J. Forlizzi, S. E. Hudson (*Carnegie Mellon University*)
Towards the Automated Social Analysis of Situated Speech Data *(note)*
D. Wyatt (*University of Washington*), T. Choudhury (*Dartmouth College*),
J. Bilmes (*University of Washington*), J. A. Kitts (*Columbia University*)

12:15 ~ 13:45

Lunch

13:45 ~ 15:45
Grand Conference
Room 401

Session 5 – Security and Privacy
Design and Implementation of a Secure Wireless Mote-Based Medical Sensor Network
K. Malasri, L. Wang (*University of Memphis*)
An Empirical Investigation of Concerns in Everyday Tracking and Recording Technologies
D. H. Nguyen, A Kobsa, G. R. Hayes (*University of California, Irvine*)
Reflecting on the Invisible: Understanding End-User Perceptions of Ubiquitous Computing
E. S. Poole, C. A. Le Dantec, J. R. Eagan, W. K. Edwards (*Georgia Institute of Technology*)
Protecting your Daily In-Home Activity Information from a Wireless Snooping Attack
V. Srinivasan, J. Stankovic, K. Whitehouse (*University of Virginia*)
MobiRate: Making Mobile Raters Stick to their Word
D. Quercia, S. Hailes, L. Capra (*University College London*)

15:45 ~ 16:15

Break

16:15 ~ 17:45
Grand Conference
Room 401

Session 6 – Design and Ethnography
The Heterogeneous Home
R. Aipperspach (*University of California, Berkeley*), B. Hooker, A. Woodruff (*Intel Research Berkeley*)
Plastic: A Metaphor for Integrated Technologies
T. Rattenbury, D. Nafus, K. Anderson (*Intel Corporation*)
Getting to Green: Understanding Resource Consumption in the Home
M. Chetty, D. Tran, R. E. Grinter (*Georgia Institute of Technology*)
Designing Sociable IT for Public Use
S. Kristoffersen (*Østfold University College*), I. Bratteberg (*Mamut ASA*)

17:45 ~ 18:30
Grand Conference
Room 401

Town Hall Meeting

19:00 ~
Jangbogo Hall

Conference Dinner

Wednesday, September 24, 2008

08:00 ~ 08:45
Grand Conference
Room 401

Registration

08:45 ~ 10:15
Grand Conference

Session 7 - Context-based Systems

Room 401	**Mixed-Initiative Conflict Resolution for Context-aware Applications** C. Shin (*GIST*), A. K. Dey (*Carnegie Mellon University*), W. Woo (*GIST*) **A Context-aware Patient Safety System for the Operating Room** J. E. Bardram, N. Nørskov (*IT University of Copenhagen*) **Deploy Spontaneously: Supporting End-Users in Building and Enhancing a Smart Home** F. Kawsar, T. Nakajima (*Waseda University*), K. Fujinami (*Tokyo University of Agriculture and Technology*) **Schema Matching for Context-Aware Computing** W. Xue, H. Pung, P. P. Palmes (*National University of Singapore*), T. Gu (*Institute for Infocomm Research*)
10:15 ~ 10:45	*Break*
10:45~12:15 Grand Conference Room 401	*Session 8 - Location-aware Applications* **The Potential for Location-Aware Power Management** R. K. Harle, A. Hopper (*University of Cambridge*) **Understanding Mobility Based on GPS Data** Y. Zheng, Q. Li, Y. Chen, X. Xie, W. Ma (*Microsoft Research Asia*) **Navigating Like a Cabbie: Probabilistic Reasoning from Observed Context-Aware Behavior** B. D. Ziebart, A. L. Maas, A. K. Dey, J. A. Bagnell (*Carnegie Mellon University*) **Accessible Contextual Information for Urban Orientation** *(note)* J. Stewart, S. Bauman, M. Escobar, J. Hilden, K. Bilhani, M. W. Newman (*University of Michigan*) **Enhanced Shopping: A Dynamic Map in a Retail Store** *(note)* A. Meschtscherjakov, W. Reitberger, M. Lankes, M. Tscheligi (*University of Salzburg*)
12:15 ~ 13:45	*Lunch*
13:45 ~ 15:45 Grand Conference Room 401	*Session 9 - Augmenting Everyday Life* **Spyn: Augmenting Knitting to Support Storytelling and Reflection** D. K. Rosner, K. Ryokai (*University of California, Berkeley*) **Picture This! Film Assembly Using Toy Gestures** C. Vaucelle, H. Ishii (*Massachusetts Institute of Technology*) **Bookisheet: Bendable Device for Browsing Content Using Metaphor of Leafing Through the Pages** J. Watanabe, A. Mochizuki, Y. Horry (*Hitachi*) **Living with Tableau Machine: a Longitudinal Investigation of a Curious Domestic Intelligence** Z. Pousman, M. Romero (*Georgia Institute of Technology*), A. Smith, M. Mateas (*University of California, Santa Cruz*) **Who will be the Customer? A Social Robot that Anticipates People's Behavior from their Trajectories** T. Kanda, D. F. Glas, M. Shiomi, H. Ishiguro, N. Hagita (*ATR Intelligent Robotics and Communication Laboratories*)
15:45 ~ 16:15	*Break*
16:15 ~ 17:45 Grand Conference Room 401	*Panel Session*
17:45 ~ 18:15 Grand Conference Room 401	*Closing*

Poster	**Demo**	**Video**	**Doctoral Colloquium**

Poster

Sensing Location in the Pocket
Ulf Blanke, Bernt Schiele (*Technische Universitat Darmstadt*)

Going My Way: a user-aware route planner
Jaewoo Chung, Paulina Modlitba, Chaochi Chang, Chris Schmandt, (*MIT Media-Lab*)

Public Icon Communication Service System: A Human Readable Tag Interface for Context-awareness Service
Doyoon Kim (*LG Electronics Inc.*), Seungchul Shin (*Samsung Electronics Co. Ltd*), Sungyoung Yoon, Tackdon Han (*Yonsei University*)

Massive - An Adaptive Shopping Assistant
Petteri Nurmi, Fredrik Boström, Patrik Floreen, Joonas Kukkonen, Eemil Lagerspetz, Peter Peltonen, Petri Saarikko (*Helsinki Institute for Information Technology HIIT*)

A Labeling Tool for a Sensor Networked Environment with a Real-world Knowledge Construction Model
Koji Kamei, Yutaka Yanagisawa, Takuya Maekawa, Yasue Kishino Yasushi Sakurai, Takeshi Okadome (*NTT Communication Science Laboratories*)

From Feedback to Awareness: An Ambient Water Consumption Display
Karin Kappel, Thomas Grechenig (*Vienna University of Technology*)

Activity-based Authentication by Ambient Wi-Fi Fingerprint Sensing
Nobuyuki Kasuya, Takashi Miyaki, Jun Rekimoto (*University of Tokyo*)

Reducing Fuel Consumption by Providing In-situ Feedback on the Impact of Current Driving Actions
Dagmar Kern, Paul Holleis, Albrecht Schmidt (*University of Duisburg-Essen*)

An Interactive Knocking Floor
Seungwoo Lee, Seongkook Heo, Youmin Kim, Youngjae Kim, Soojin Lee, Minsoo Hahn (*Information and Communications University*)

Detour Scheme for Improving the Energy Efficiency and Fairness in Wireless Sensor Networks
Sang Ha Kim (*Chungnam National University*)
Hyun Woo Oh, Hea Ryong Lee, Kwang Roh Park (*ETRI*)

Using Personalization to support Privacy in Ubiquitous Systems
Elizabeth Papadopoulou, Sarah McBurney, Nick Taylor, Howard Williams (*Heriot-Watt University*)

Rich Tactile Output for Notification on Mobile Phones
Alireza Sahami Shirazi, Paul Holleis, Albrecht Schmidt (*University of Duisburg-Essen*)

Creating Logfiles and Click Streams for Advertisements in Physical Space
Florian Alt, Albrecht Schmidt, Paul Holleis, Jörg Müller, Antonio Krüger (*University of Duisburg Essen, Pervasive Computing Group*)

ECOISLAND: A System for Persuading Users to Reduce CO2 Emissions
Chihiro Takayama, Hiroaki Kimura, Tatsuo Nakajima (*Waseda University*)
Vili Lehdonvirta (*Helsinki Institute for Information Technology*)

SpinTrack: Spinning Infrastructure Nodes for Precise Indoor Localization
Jr-ben Tian, Ho-lin Chang, Tsung-Te Lai, Hao-Hua Chu (*National Taiwan University*)

Analysis and Comparison between War Driving and War Walking in Metropolitan WiFi Radio Maps
Wen Tsui, Wei-Cheng Lin, Hao-Hua Chu (*National Taiwan University*)

Adding Manga-like Effects to Your Presentation with an Acceleration Sensor
Keita Ushida, Daichi Yamada (*Gunma National College of Technology*)

MOBBMap: Public Authoring Around Public Transit
Amanda Williams (*University of California, Irvine*), Kasiphan Masakul (*Sripatum University*)

Social Interaction Detection and Browsing in Meetings
Zhiwen Yu, Hideki Aoyama, Motoyuki Ozeki / Yuichi Nakamura (*Kyoto University, Japan*)
P.R.China, Zhiyong Yu (*Northwestern Polytechnical University*)

Demo

Development of a Wearable Sleep Sensor to Monitor Sleep States
Kazushige Ouchi, Takuji Suzuki, Ken-ichi Kameyama (*Toshiba Corporation*)

HomeOrgel: Interactive music box for aural representation
Maho Oki, Koji Tsukada, Itiro Siio (Ochanomizu University), Kazutaka Kurihara (*AIST*)

Smart Makeup Mirror: Computer Augmented Mirror to Aid Makeup Application
Eriko Iwabuchi, Itiro Siio (*Ochanomizu University***)**

Transparent Application Lifetime Management in Wireless Sensor Networks
Eric Platon, Shunichiro Suenaga, Nobukazu Yoshioka, Shinichi Honiden (*National Institute of Informatics*)

Simulation Framework with Testbed for Sensor-based Systems in Second Life
Sebastian Ullrich, Helmut Prendinger, Boris Brandherm (*National Institute of Informatics, RWTH Aachen University*)

Jeppe: Domesticating the video call
Seamus Moloney, Antti Virolainen, Pekka Luoma, Rosalinde Belzer, Petri Piippo, Mia Lähteenmäkir
(*nokia research center*)

Columbus: Physically Exploring Geo-tagged Photos
Mattias Rost, Fredrik Bergstrand, Maria Håkansson (*Viktoria Institute*),
Lars Erik Holmquist (Swedish *Institute of Computer Science*)

Talking-Points: A community-driven urban orientation system for sighted and non-sighted users
Donggun Yoo, Jakob Hilden, Jason Stewart, Mark Newman, Peter Kretschman, Josh Rychlinski, Michelle Escobar
(*University of Michigan*)

Common Sense: Mobile Environmental Sensing Platforms to Support Community Action and Citizen Science
Paul M. Aoki, Alan Mainwaring, Eric Paulos, Sushmita Subramanian, Allison Woodruff (*Intel*),
Chris Myers (*Isopod Design*), R.J. Honicky (*Intel UC Berkeley*)

Displacement-Based People Detection Using Coherent Pulsed Doppler Radars
Kenneth Parker, Sandip Bapat, Anish Arora (*The Samraksh Company*), Young Man Kim(*Kookmin University*)

A Demonstration of u-Commerce & u-Media with Mobile RFID and ZigBee
Kyoung Jun Lee, Hyun Seok Lee, Jungho Jung, Jong Chul Lee, A Rum Park (*Kyung Hee University*)
Tae San Lee, Sung Bae Eun, Kyu Il Kim, Ji Sup Yoon, Na Rae Kim (*Hannam University*)

Flying Low: A Minimalist Wearable Computer
Nicolas Villar (*Microsoft Research*)

Video

Electromagnetic Field Detector Bracelet
Cati Vaucelle, Hiroshi Ishii and Joe Paradiso (*Massachusetts Institute of Technology, MIT Media Lab*)

Expressive Gesture Controller for an Individual with Quadriplegia
Adam Boulanger (*MIT Media Laboratory)*

Vibro-tactile Space Awareness
Alois Ferscha, Bernadette Emsenhuber, Andreas Riener, Clemens Holzmann, Manfred Hechinger and Dominik

Ambient Assisted Storytelling
Davide Carboni, Alessandro Soro
CRS4 (*Center for Advanced Studies, Research and Development in Sardinia, Italy*)

SMeet: Enabling Practical and Interactive Collaboration in Smart Meeting Space
Sangwoo Han (*GIST*), Sujin Ko (*GIST*), Namgon Kim (*GIST*), Changhyeok Bae (*GIST*), Vinay Ramachandra (*GIST*), Jun Park (*Hongik University*), Hyuk Lim (*GIST*), and JongWon Kim (*GIST*)

Doctoral Colloquium

Designing easily learnable eyes-free interaction
Kevin A. Li (*University of California, San Diego, USA*)

Developing Design Guidelines for Mobile Marketing Application
Eun Joo Lee (*University of Brighton, UK*)

Do Domestic Infrastructures Have Values?
Marshini Chetty (*Georgia Institute of Technology, USA*)

Private Interaction with Public Terminals
Alexander De Luca (*University of Munich, Germany*)

Mobile Interaction with Objects and Information from the Real World
Gregor Broll (*Ludwig-Maximilians-Universität München, Germany*)

A situation-oriented framework for programming context-aware applications
Adrian K. Clear (*University College Dublin, Ireland*)

CARE: Context Awareness in Residences for Elderly
Tim van Kasteren (*Universiteit van Amsterdam, Netherlands*)

Biometrics Driven Smart Environments
Vivek Menon (*Amrita University, India*)

Managing User-Centric, Opportunistic Device Ensembles in Smart Spaces
Marko Jurmu (*University of Oulu, Finland*)

A Mobilities Framework for Design in Ubicomp
Amanda Williams (*University of California, Irvine, USA*)