

# Paper Session

## 12 Monday Systems I-II

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)

# Paper Session

## 13 Tuesday Location I-III

09:00-10:15

Paper Session 3: Location-I



### Self-Mapping in 802.11 Location Systems

*Anthony LaMarca, Jeffrey Hightower, Ian Smith, Sunny Consolvo (Intel Research Seattle)*



### A Study of Bluetooth Propagation Using Accurate Indoor Location Mapping

*Anil Madhavapeddy, Alastair Tse (University of Cambridge)*



### 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



### 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)*



### Learning and Recognizing the Places We Go

*Jeffrey Hightower, Sunny Consolvo, Anthony LaMarca, Ian Smith (Intel Research Seattle), Jeff Hughes (University of Washington)*



### Visually Interactive Location-Aware Computing

*Kasim Rehman, Frank Stajano, George Coulouris (University of Cambridge)*

15:30-16:20

Paper Session 5: Location-III



### DigiDress: A Field Trial of an Expressive Social Proximity Application

*Per Persson, Jan Blom, Younghee Jung (Nokia Corporation, Finland)*



### 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)*

## I4 Wednesday Studies I-III

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)

13:45-15:00

Paper Session 8: Studies-III



R-20

**To Frame or Not to Frame:****The Role and Design of Frameless Displays in Ubiquitous Applications**

Claudio Pinhanez, Mark Podlaseck (IBM Research)



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)