

Title: The 4th IEEE International Workshop on Enablers for Ubiquitous Computing and Smart Services (EUCASS 2013)

Workshop Organizers:

Hideya OCHIAI, The Univ. of Tokyo, Japan
E-mail: ochiai@vdec.u-tokyo.ac.jp

Susumu TAKEUCHI, NTT, Japan
E-mail: takeuchi.susumu@lab.ntt.co.jp

Xiaohan Liu, Chinese Academy of Science, China
E-mail: liuxiaohan@cnic.cn

Goal of the Workshop:

The aim of this workshop is to share and discuss the most advanced researches and development studies in the area of ubiquitous computing platforms and related services. This workshop will gather researchers, engineers and practitioners from academia and industry who are working in this research domain. This workshop will focus on new technical proposals, practical experiences, and a large scale experiment with widely sharing the research issues that we must solve in ubiquitous computing and service platforms. This workshop is one of the best opportunities to address the research issues and solutions in sufficient depth and breadth, and is intended to share knowledge and exchange ideas and/or actual field experiences, thereby promoting new studies and research topics in this area.

Theme of the Workshop:

Ubiquitous computing and service platforms cover wide range of technical domains. This includes (1) networking (including wireless) of sensors and actuators to the computing platform, (2) management of distributed databases to efficiently mine, discover, and analyze the data obtained from sensors, (3) presentation of data so as to effectively interact with people and (4) automation of action-planning based on the data and policies configured by people. The workshop may also discuss the basic technologies such as overlay networks and applications such as smart grid systems developed on these technologies.

Scope of the Workshop (Call-for-Papers):

Sensors, tags and actuators are being networked and deployed everywhere. Application of those devices using smartphones is also rapidly becoming popular – we use smartphones to check and control home appliances and building automation systems. Cloud computing technologies have enabled virtualization of these devices, and they powerfully provide Smart Services over the Internet.

The enablers of Smart X (e.g., Smart City, Smart Grid, Smart House...) include those sensors, tags, actuators, phones, ubiquitous computing platforms and services. They have been also called as M2M (Machine-to-Machine) communications, and IoT (Internet-of-Things).

The research topics for the emerging Smart Services are:

- sensor and actuator networks
- sensor data management
- service platforms

- service aggregation
- building/home energy management services
- green ICT, smart grid
- overlay networks
- distributed (and stream) processing and management
- delay tolerant networks for sensors
- RFID tags
- people-centric sensing, human-probe systems
- privacy protection
- how-to-deploy (feasibility study)

We respect deployable or feasible works especially inspired by social needs or industrial requirements because the future of smart services should be driven by those sociological movement.

We welcome business persons as well as academic and industrial researchers. Reports and suggestions on research, advancing technologies, business models, industrial case studies, and implementations are also welcomed. We also welcome work-in-progress paper in this workshop.

Program Committee: (approval pending)

Adnan Al-Anbuky, AUT University, New Zealand
 Albert Krohn, University of Karlsruhe, Germany
 Bheemarjuna Reddy Tamma, Indian Institute of Technology, India
 Denis Villorrente, ASTI, Phillipine
 Hiroshi Mineno, Shizuoka Univ., Japan
 Hiroyuki Inoue, Hiroshima City Univ., Japan
 Kazuyuki Shudo, Tokyo Institute of Technology, Japan
 Keiichi Shima, Internet Initiative Japan., Japan
 Koen Langendoen, Delft Univ. of Technology, Netherlands
 Masahiro Ishiyama, Toshiba Corporate R&D Center, Japan
 Masato Yamanouchi, Keio Univ., Japan
 Masayuki Hirafuji, NARC Tsukuba, Japan
 Okhwa Lee, Chungbuk National Univ., Korea
 Oyunchimeg Shagdar, INRIA, France
 P. Rajalakshmi, Indian Institute of Technology, India
 Sho Fujita, Yokogawa Corporation, Japan
 Takaaki Moriya, NTT Communications, Japan
 Ting-Yun Chi, Taiwan National University, Taiwan
 Tomoki Yoshihisa, Osaka Univ., Japan
 Tsutomu Terada, Kobe Univ., Japan
 Yuusuke Kawakita, The University of Electro Communications, Japan

Important Dates:

Deadline for paper submission: March 20th, 2013
 Notification of acceptance: April 21th, 2013
 Camera-ready due: May 5th, 2013

Submission:

Papers must be submitted electronically via the EUCASS 2013 Submission Page (<http://myreview.cs.iastate.edu/EUCASS2013>). The format of submitted papers should follow the guidelines for the IEEE conference proceedings. All papers will be carefully reviewed by at least three reviewers. Papers should be no more than 6 pages. Accepted papers will be published in the workshop proceedings of COMPSAC 2013, by the IEEE Computer Society Press. At least one of the authors of each accepted paper must register as a participant of the workshop and present the paper at the workshop, in order to have the paper published in the proceedings.

Expected number of workshop sessions:

3 sessions

Information on the previously organized Workshops (if any).

EUCASS 2012 (7 accepted papers from 11 submissions (64%), 30 attendees)
EUCASS 2011 (7 accepted papers from 10 submissions (70%), 35 attendees)
EUCASS 2010 (8 accepted papers from 12 submissions (66%), 30 attendees)
UNECAS 2009 (8 accepted papers from 12 submissions (66%), 25 attendees)
UNECAS 2008 (8 accepted papers from 13 submissions (61%), 30 attendees)