

CALL FOR POSITION PAPERS

SAME 2013

6th International Workshop on Semantic Ambient Media Experience (SAME 2013)

Defining the Research Agenda for Information Management and Systems Supporting Sustainable Communities with Smart Media and Automated Systems

29 June - 02 July 2013

in conjunction with C&T 2013

<http://www.tut.fi/emmi/WWW/SAME2013>

<http://www.ct2013.cnss.de/>

SAME 2013

Sustainability and sustainable urban environments are one of the goals of various research agendas and initiatives as e.g. the Regions of Climate Actions (R20). SAME 2013 devotes to the challenge, how information management and systems can support sustainable communities in their regional settings. This workshop focuses on the development of a research agenda around the wider topic of how smart media and automated systems can support the larger context of sustainability for communities with the help of information systems, smart media, and automated systems. The workshop defines a research agenda within this particular context, and especially devotes to the investigation of opened research issues how ubiquitous and pervasive computation can be utilized to create sustainable communities. Energy conservation and saving are one of the key-words SAME 2013 will devote its focus: *sustainable cities – sustainable community – sustainable energy – sustainable culture* supported by smart information systems, smart media, and fully automated systems. Smart electronics and infrastructure will be one major component in creating a green city environment. Within the scope of this workshop, the goal is to investigate smart technologies, policies, and projects that are devoting to the issue of sustainable communities to create a better living experience.

WORKSHOP CHALLENGES

The workshop aims at answering the following questions for applications, methods, techniques, and installations that follow the no-screen, no-keyboard, and no-mouse device idea:

- Community requirements to create sustainability
- Regional requirements (e.g. development world) for sustainability
- Information systems and management supporting sustainability
- Solutions and applications supporting sustainable developments
- Community and social aspects creating sustainable values
- Smart energy, smart grid, and smart consumer solutions
- Smart technologies and information systems supporting sustainable cities
- Sustainable presentation of information and learning experience
- Projects, policies, and regulations exist to support sustainability with smart media
- Which algorithms and methods exist to gain knowledge about energy and sustainability
- Collaborative or audience participatory content support sustainability
- Training communities to support sustainable smart media

- Storytelling and art that supporting sustainability
- Community projects creating sustainable smart environments
- Strategies for business value for smart sustainable environments
- Experience design, prototyping, and business models in the context of sustainable communities

TOPICS OF INTEREST

The following (and related) topics are within the scope of this workshop and shall act as examples:

- Creation of sustainable communities
- Ubiquitous computation for sustainable environments
- Methods and tools to develop smart sustainable environments
- Intelligent environments creating community value
- Business models, value-creation, and opportunities
- Semantics, and intelligence of ambient media creating sustainability
- Energy saving through smart electronics
- Innovations in finance, technologies, and policies
- Lower cost clean energy through smart technologies
- Sustainable community projects
- Smart media for sustainability

We are also aiming at multidisciplinary, highly future oriented submissions that help to develop the ambient media form for entertainment services, such as:

- Case-studies (successful, and especially unsuccessful ones)
- Oral presentation of fresh and innovative ideas
- Artistic installations and running system prototypes
- User-experience studies and evaluations
- Technological novelties, evaluations, and solutions

TARGET AUDIENCE

The target audience is researchers and practitioners in the field of ubiquitous and pervasive computation and in the field of sustainability or the creation of smart media for sustainable communities. These include pervasive computation, emotional computation, content creation, ubiquitous computation, human-computer-interaction and usability experts, mobile industry, service creators, etc. Workshop participants shall have previous experience in this or related fields to be able to contribute on a high scientific level. The workshop participants will actively contribute to the development of semantic ambient media, due to a different method of workshop organization. Participants shall 'participate' rather than passively contribute. The participants shall discuss and actively elaborate the topic and we plan to kick-off an international web-based informal forum for ambient media, which shall increase the effect of this workshop tremendously.

We strongly welcome multidisciplinary contributions coming from the media technology, community development, sustainability, artistic, business, and human experience side. Case studies (successful and especially unsuccessful), artistic installations, technologies, media studies, and user-experience evaluations are highly welcome, which are affecting the development of ambient media as new form of media. Especially visionary contributions shaping the future of ambient media are strongly welcome.

PAPER SOLICITATION, SUBMISSION AND SELECTION PROCESS

- 300 word Position papers are due by the 14th April 2013 and should be submitted as word document at: <http://www.tut.fi/emmi/Submissions/2013SAME/>
- In addition, each submission should contain: title, list of authors, abstract, list of 3 potential own research contributions and a brief description, list of 5 research questions including a brief description, and a brief literature review of the 5 most significant publications contributing to the thematic, and a free form body text describing the own view in 300 words
- Final submissions are expected to be 5-10 pages papers according the paper format of C&T available at <http://www.ct2013.cnss.de/cfp/>
- Please submit your paper at our paper submission system: <http://www.tut.fi/emmi/Submissions/2013SAME/chair/>
- Each contribution will be double blind reviewed and the top 10 paper will be selected depending on the review results
- Best contributions will be compiled to a special issue following up the workshop - we aim at Springer MTAP after reviewing the quality of contributions
- The workshop will be held according the method “Design Thinking”, which has been traditionally applied in the SAME series context
- Paper solicitation is based on several marketing tools of the Ambient Media Association (AMEA): www.ambientmediaassociation.org, and we expect a submission rate of approx. 15-20 papers, where the top-10 will be selected for being accepted for the workshop

IMPORTANT DATES

Submission deadlines (deadlines for this workshop are strictly observed!):

- **14th April 2013:** Deadline for Position Paper Submissions
- **25th April 2013:** Notification of Accepted Workshop Position Papers
- **15th June 2013:** Camera Ready Accepted Workshop Papers Due
- **29th June 2013:** Workshop day

WORKSHOP SERIES CONTEXT

Pervious Workshops on Semantic Ambient Media Experience:

- 1st International Workshop on Semantic Ambient Media Experiences held in conjunction with ACM Multimedia 2008, (Vancouver, Canada), <http://portal.acm.org/toc.cfm?id=1461912&type=proceeding&coll=ACM&dl=ACM&CFID=96753168&CFTOKEN=49706448>
- 2nd International Workshop on Semantic Ambient Media Experiences held in conjunction with Aml-09, (Salzburg, Austria), <http://webhotel2.tut.fi/emmi/forum/node/55>
- 3rd International Workshop on Semantic Ambient Media Experiences held in conjunction with Aml-10, (Malaga, Spain), <http://www.ambientmediaassociation.org/node/56>
- 4rd International Workshop on Semantic Ambient Media Experiences held in conjunction with 5th International Conference on Communities and Technologies, Brisbane, Australia, <http://www.ambientmediaassociation.org/node/60>
- 5th International Workshop on Semantic Ambient Media Experience held in conjunction with Pervasive 2012

PREVIOUS SPECIAL ISSUES

For each held workshop, a special issue has been created with Springer-Verlag Multimedia Tools & Applications. The workshop shall gather people from industry and academia to develop the vision of ambient media as new form of smart media.

WORKSHOP CHAIRS

- Artur Lugmayr, Tampere University of Technology (TUT) & lugYmedia Inc., FINLAND
- Thomas Risse, L3S Research Center, GERMANY
- Bjoern Stockleben, Univ. of Applied Sciences Magdeburg, GERMANY
- Bogdan Pogorelc, Jozef Stefan Institute & Spica International d.o.o., SLOVENIA
- Estefanía Serral Asensio, Universidad Politécnica de Valencia, SPAIN

Artur Lugmayr, Tampere University of Technology (TUT) & lugYmedia Inc., FINLAND

Prof. Dr. Artur Lugmayr describes himself as a creative thinker and his scientific work is situated between art and science. Starting from 1st July 2009 he is full-professor for entertainment and media production management at the department for industrial management at the Tampere University of Technology (TUT). His vision can be expressed as to create media experiences on future emerging media technology platforms. He is the head and founder of the New AMbient MULTimedia (NAMU) research group at the Tampere University of Technology (Finland) which is part of the Finnish Academy Centre of Excellence of Signal Processing from 2006 to 2011 (<http://namu.cs.tut.fi>). He is holding a Dr.-Techn. degree from the Tampere University of Technology (TUT, Finland), and is currently engaged in Dr.-Arts studies at the School of Motion Pictures, TV and Production Design (UIAH, Helsinki). He chaired the ISO/IEC ad-hoc group "MPEG-21 in broadcasting"; won the NOKIA Award of 2003 with the text book "Digital interactive TV and Metadata" published by Springer-Verlag in 2004; representative of the Swan Lake Moving Image & Music Award (<http://www.swan-lake-award.org/>); board member of MindTrek (<http://www.mindtrek.org>), EU project proposal reviewer; invited key-note speaker for conferences; organizer and reviewer of several conferences; and has contributed one book chapter and written over 25 scientific publications. His passion in private life is to be a notorious digital filmmaker. He is founder of the production company LugYmedia Inc. (<http://www.lugy-media.tv>). More about him on Google.

Thomas Risse, L3S Research Center, GERMANY

Thomas Risse works as a senior researcher at the L3S Research Center in Hannover. He received a PhD in Computer Science from the Darmstadt University of Technology, Germany in 2006. Before he joined the L3S Research Center in 2007 he lead a research group about intelligent information environments at Fraunhofer IPSI, Darmstadt. He worked in several European and industrial projects. He was the technical director of the European funded integrated project BRICKS, which aim was to build a decentralized infrastructure for distributed digital libraries. Currently he his the deputy manager of the FP7 Living Web Archive (LiWA) project. Thomas Risse's research interests are semantic evolution, data management in distributed systems, federated search, and self-organizing systems. He serves regularly as program committee member or project reviewer. He published several papers at the relevant international conferences.

Bjorn Stockleben, RBB, GERMANY

Björn Stockleben was awarded his master's degree in Media Sciences, Media Technology and Computer Sciences from Technical University of Brunswick and Brunswick School of Arts in 2003. As a student research assistant he worked on MHP applications for the CONFLUENT and Multimedia Car Platform (MCP) project. He wrote his master thesis on ergonomic and content-specific constraints of video on mobile devices. Since April 2004 Björn Stockleben has been employed by Rundfunk Berlin-Brandenburg as project engineer for its Innovation Projects. Currently he is working on user generated content and citizen journalism for the news and youth radio departments of RBB.

Bogdan Pogorelc, Ljubljana University, SLOVENIA

Bogdan Pogorelc is a Ph.D. candidate and a Research Assistant at Department of Intelligent Systems at Jožef Stefan Institute (JSI) in Ljubljana, Slovenia. Since 2008 he has been employed at Jožef Stefan Institute and Špica International d.o.o. for which he obtained the "Young Researcher" fellowship. Bogdan was visiting researcher at University "Rovira i Virgili" in Tarragona (Spain) in 2007, where he performed research on "Fuzzy Artmap neural network for assessment of metabolic syndrome". He received several awards for his research: e.g., 1st Prize at Slovenian forum of innovations for "Intelligent security system for the surveillance of buildings" in 2009 and awards of i) National Instruments and ii) University of Maribor for "Mobile electrocardiograph" in 2006. His publication list consists of 16 items, 3 of them in scientific journals. He is a reviewer for several scientific journals and conferences, a member of several scientific societies, e.g., ACM, IEEE and ECCAI, a Program committee- and Organizational committee member of the "2nd Jožef Stefan International Postgraduate School Student's Conference" and editor of the proceedings for the "2nd Jožef Stefan International Postgraduate School Student's Conference" conference. Bogdan's research interests include artificial intelligence, machine learning, (temporal-/time series-) data mining as well as applications in these areas, especially medical informatics and ambient intelligence. His main research interest is "Behavior recognition from motion capture systems using data mining, such as "Automatic recognition of gait-related health problems of elderly" or "Automatic management of (physical) rehabilitation process for (neurologically) impaired people".

Estefania Serral Asensio, Universidad Politecnica de Valencia, SPAIN

Estefanía Serral is a Doctor in the Department of Information Systems and Computation at Universidad Politécnica de Valencia, Spain. Her research involves context-awareness, pervasive computing, task automation, conceptual modelling, model-driven development, executable models and model interpretation. She is a member of the ProS Research Center, and she has published several contributions to well-known international conferences and scientific journals (Aml, CAISE, PMC, UIC, UCAMl, MOMPES, CICU, IDEAS, JISBD, ERCIM, etc.).

PREVIOUS PROGRAM COMMITTEE OF THE SAME SERIES (NOT CONTACTED YET)

- Shu-Ching Chen, Florida International University, USA
- Heiko Schuldt, Uni Basel, SWITZERLAND
- Andreas Rauber, TU Vienna, AUSTRIA
- Mark Billinghurst, Canterbury University, NEW ZEALAND
- Carlos Ramos, Polytechnic of Porto, PORTUGAL
- Uwe Riss, SAP Research, GERMANY

- Carsten Magerkurth, SAP Research, GERMANY
- Ismo Rakolainen, FogScreen, FINLAND
- Bjoern Stockleben, RBB, GERMANY
- Jan Nesvadba, Philips, THE NETHERLANDS
- Gabriele Kotsis, University Linz, AUSTRIA
- Jussi Kangasharju, Helsinki University of Technology, FINLAND
- Pablo Caesar, Centrum voor Wiskunde en Informatica, THE NETHERLANDS
- Zhiwen Yu, Kyoto University Yoshida-Honmachi, JAPAN
- Tuula Leinonen, Fakegraphics, FINLAND
- Sofia Tsekeridou, Athens Information Technology, GREECE
- Richard Chbeir, Bourgogne University, FRANCE
- Bjorn Landfeldt, NICTA, AUSTRALIA
- Konstantinos Chorianopoulos, Ionian University, GREECE