

Call for Papers

Symposium on Artificial Societies for Ambient Intelligence (ASAMI)

AISB Convention, Newcastle University, UK. 2nd-5th April 2007

The vision of Ambient Intelligence (AmI) is a society based on unobtrusive, often invisible interactions amongst people and computer-based services in a global computing environment. Services in AmI will be ubiquitous in that there will be no specific bearer or provider but, instead, they will be associated with a variety of objects and devices in the environment, which will not bear any resemblance to computers. People will interact with these services through intelligent and intuitive interfaces embedded in these objects and devices, which in turn will be sensitive to what people need.

In this one-day Symposium we would like to explore the application and development of *agent societies* for AmI, establish a body of knowledge and a theoretical framework for this, and use this framework to relate existing work on areas such as the semantic web, cognitive and social agents, and ambient and ubiquitous technologies. We also hope to present current research in the area of agent societies for AmI, where human activities are supported by social organisations of agents, computing devices or both, and assess the outcomes of such research. The Symposium will identify issues for future investigation, establish links between researchers and encourage international collaborations.

Topics

Topics of relevance to the symposium include, but are not limited to, the following. All topics must be addressed in the context of AMI.

- Social architectures
- Agent interaction
- Reasoning and knowledge representation
- Reactivity and pro-activity
- Learning
- Decision making
- Co-operation and co-ordination
- Social emergence and evolution
- Normative reasoning and regulations
- Security, trust and privacy
- Service-oriented approaches
- Interaction design and interfaces
- Mobility
- Applications

Important Dates

Submission Deadline: 8 January 2007
Notification: 5 February 2007
Camera Ready Copy Due: 23 February 2007
Convention Date: 3-5 of April 2007

Submissions

We welcome and encourage submissions of original papers, which are not simultaneously submitted for

publication elsewhere. Papers should be written in English, formatted according to the ECAI style files, for details of which please see:

<http://ecai2006.itc.it/cda/images/ecai2006.pdf> and
<http://ecai2006.itc.it/cda/images/ecai2006.zip>.

You can submit your paper electronically to the following address asami-submission@cs.rhul.ac.uk. Your submission must be in PDF format. We welcome two forms of submissions: (1) technical papers not exceeding 6 pages, and (2) ideas/position papers not exceeding 3 pages. Both page limits include figures, references, etc.

Proceedings

A printed volume of the proceedings will be available at the Symposium. Extended Symposium papers will be invited for consideration for publication in a special issue of a journal.

Symposium Chairs

- Fariba Sadri, Imperial College London, UK
- Kostas Stathis, Royal Holloway, U. of London, UK

Programme Committee

- Alexander Artikis, Institute of Informatics & Telecommunications, Greece
- Juan Carlos Augusto, University of Ulster at Jordanstown, UK
- Cristiano Castelfranchi, Institute of Cognitive Sciences and Technologies, Italy
- Oscar De Bruijn, University of Manchester, UK
- Paul J. Feltovitch, Florida Institute for Human & Machine Cognition, USA
- Marie-Pierre Gleizes, Institut de Recherche en Informatique de Toulouse, France
- Gregory O'Hare, UCD, Ireland
- Andrea Omicini, University of Bologna, Italy
- Paolo Petta, Medical University of Vienna, Austria
- Jeremy Pitt, Imperial College London, UK
- Eric Platon, NII, Tokyo, Japan
- Harmut Raffler, Siemens AG, Germany
- Alessandro Ricci, University of Bologna, Italy
- Nicolas Sabouret, LIP6, France
- Fariba Sadri, Imperial College London, UK
- Rob Saunders, University of Sydney, Australia
- Daniel Shapiro, Stanford University, USA
- Maarten Sierhuis, NASA-Ames, USA
- Kostas Stathis, Royal Holloway, U. of London, UK
- Francesca Toni, Imperial College London, UK
- George Vouros, University of the Aegean, Greece
- Pinar Yolum, Bogazici University, Turkey
- Franco Zambonelli, University of Modena, Italy

Symposium Web-site: <http://asami07.cs.rhul.ac.uk/>