*** 1st CALL FOR PAPERS ***
6th International Workshop on LOGICS, AGENTS, and MOBILITY (LAM'13),
2-5 April 2013, University of Exeter, United Kingdom organised as symposium
at the AISB Annual Convention 2013.

Organisers:
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Workshop Homepage:  http://lam2013.wordpress.com

* Workshop Purpose *

The aim of this series of workshops is to bring together active researchers
in the areas of logics and other formal frameworks on the one hand, and
mobile systems on the other hand. The main focus is on the field of
applications of logics and calculi for mobile agents, smart intelligent
solutions and multi-agent systems. Many notions used in the theory of
agents are derived from philosophy, logic, and linguistics (belief, desire,
intention, speech act, etc.), and interdisciplinary discourse has proved
fruitful for the advance of this domain. Outside of academia, the
deployment of large-scale pervasive infrastructures (mobile ad-hoc
networks, mobile devices, RFIDs, etc.) is becoming a reality. This raises a
number of scientific and technological challenges for the software
modelling and programming models for such large-scale, open and highly-
dynamic distributed systems. The agent and multi-agent systems approach
seems particularly adapted to tackle this challenge, but there are many
issues remaining to be investigated. For instance, the agents must be
location-aware since the actual services available to them may depend on
their (physical or virtual) location. The quality and quantity of resources
at their disposal is also largely fluctuant, and the agents must be able to
adapt to such highly dynamic environments. Moreover, mobility itself raises
a large number of difficult issues related to safety and security, which
require the ability to reason about the software (e.g. for analysis or
verification). Logics and type systems with temporal or other kinds of
modalities (relating to location, resource and/or security-awareness) play
a central role in the semantic characterisation and then verification of
properties about mobile agent systems. There are still many open problems
and research questions in the theory of such systems. The workshop is
intended to showcase results and current work being undertaken in these
areas with a focus on logics for specification and verification of dynamic,
mobile systems.

The topics of interest lie in the area of logics and concurrent systems
with a focus on the special application domain of mobile systems and
(multi-)agent-based systems, such as:

* Applications of logics and/or multi-agent systems
* Smart/intelligent solutions
* Models of concurrency
* Models of resource-bounded systems
* Models of location-based reasoning
* Logics for concurrency with a perspective on mobility
* Models of mobile systems
* Verification and analysis techniques
* Related programming models

Scopes of Interest
* applications of MAS
* logics for specification and reasoning about agents, MAS, and
  mobile systems
* treatment of location and resources in logics
* security (e.g., in ad-hoc networks)
* temporal logics and model checking
* type systems and static analysis
* logic programming
* concurrency theory with a focus on mobility or dynamics in agent systems.

* Previous Workshops *
LAM'08: 4-8 August 2008 at ESSLI in Hamburg, Germany
LAM'09: 10 August 2009 at LICS in Los Angeles, USA
LAM'10: 15 July 2010 at LICS in Edinburgh, Scotland, UK
LAM'11: 10 September 2011 at CONCUR in Aachen, Germany
LAM'12: 25 June 2012 at Petri Nets 2012, Hamburg, Germany

* Format of the Workshop *
The workshop will be held as a one day of the convention. There will be a short introduction and brief survey of the field by the organisers as an introduction to the workshop.

The workshop will contain invited talks, contributed talks, and will offer opportunities for discussion. The latter will give the participants a chance to discuss informally research directions, open problems, and possible co-operations.

* Invited Speakers *
[To be announced.]

* Submission details *
Authors are invited to submit a full paper of original work in the areas mentioned above. The workshop chair should be informed of closely related work submitted to a conference or journal in advance of submission. One author of each accepted paper will be expected to present it at the LAM'13 workshop. Submissions should not exceed 15 pages, preferably using the LaTeX article or LNCSS class. The following formats are accepted: PDF, PS.

Please send your submission electronically via EasyChair: http://www.easychair.org/conferences/?conf=lam13

The submissions will be reviewed by the workshop's program committee and additional reviewers.
Accepted papers will appear in electronic proceedings and authors will be encouraged to re-submit papers to formal proceedings to be published as a separate publication, e.g. as a special journal issue.

* Important Dates *
Submission Deadline: 14th January 2013
Notification of acceptance/rejection: 11 February 2013
Final version of papers due: 4 March 2013
Workshop: 2-5 April 2013