

# MALLOW 2010

**Proceedings of The Multi-Agent Logics, Languages, and Organisations Federated Workshops (MALLOW 2010)**

**Lyon, France, from the 30th of August to the 2nd of September, 2010.**

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- Olivier Boissier, ENSM, Saint-Etienne, France
- Amal El Fallah Seghrouchni, LIP6, Paris, France
- Salima Hassas, LIESP, Lyon, France
- Nicolas Maudet, LAMSADE, Paris, France

### **Organization committee**

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- Aurélie Bénier, LIP6, Paris, France
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# PREFACE

These informal proceedings contain the contributions presented during MALLOW-2010 federation of workshops at Domaine Valpré near Lyon. MALLOW stands for "Multi-Agent Logics, Languages, and Organizations". This year the event federates 5 workshops:

- The Workshop on Coordination, Organization, Institutions and Norms in Agent Systems (COIN)
- The Workshop of the FIPA Design Process Documentation and Fragmentation Working Group (DPDF WG)
- The Workshop on LAnguages, methodologies and Development tools for multi-agent systemS (LADS)
- The Workshop on Logics for Resource Bounded Agents (LRBA)
- The Workshop on Multi-Agent Systems and Simulation (MASS)

The contributed papers of each workshop have been selected independently by the corresponding scientific committees, for a grand total of 42 papers. We believe it provides a nice overview of the current research on some of the hot topics in multiagent systems.

In addition to these contributions, invited lectures by Bruce Edmonds (Manchester Metropolitan University Business School, UK), Andreas Herzig (IRIT, Toulouse, FR) and David Sadek (Orange, FR), are scheduled this year.

A panel organized by Alessandro Ricci (DEIS, Bologna, Italy) offers the opportunity for the participants to share and discuss their points of view on "Agent and Multi-agent Thinking in Mainstream Computer Science".

We take the opportunity to thank these invited speakers, the panel organizer and the participants for their contribution.

MALLOW-2010 is a third edition of a series initiated in 2007 in Durham, and pursued in 2009 in Turin. The objective, as initially stated, is to "provide a venue where: the cost of participation was minimum; participants were able to attend various workshops, so fostering collaboration and cross-fertilization; there was a friendly atmosphere and plenty of time for networking, by maximizing the time participants spent together".

We would like to thank the Valpré Domain for offering the accommodation infrastructure that strongly contributed this year to build this friendly atmosphere.

This MALLOW-2010 edition has been organized by four groups of the French community, developing researches on multi-agent systems: LAMSADE (Paris), LIESP (Lyon), LIP6 (Paris) and G2I/LSTI (Saint-Etienne).

The success of these first editions, with an attendance of 80-100 participants, is a clear encouragement to organize a follow-up. At the time of writing, the available figures indicate a similar attendance for this year, with participants coming from large variety of countries (e.g. Brazil, France, Germany, Italy, Japan, Netherlands, and United Kingdom).

Like in previous editions, the collocation of MALLOW with the European Summer School already proved to be beneficial for many young researchers. Indeed, about 25% of participants registered to attend both events and enjoy this unique opportunity to get in two weeks the background picture of the multiagent field (as provided by EASSS tutors), and some of the latest developments as discussed during MALLOW workshops.

Finally, a key to the success of MALLOW events is to offer an affordable price for the whole event. This year this was made possible thanks to the support of various partners that we wish to thank again here: AFIA (Artificial Intelligence French Association), FIPA, COST Agreement Technologies IC0801, ISLE, IXXI (Complex Systems Institute Rhône-Alpes), UPETEC (Emergence Technologies Self-Adaptive Software), Région Rhône-Alpes, Rhône Le Département, LIESP Laboratory, LAMSADE, LIP6, ENSM Saint-Etienne.