MALLOW Workshop on Coordination, Organization, Institutions and Norms in Agent Systems & On-line Communities (COIN@MALLOW2009)

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Abstract

The COIN (Coordination, Organizations, Institutions and Norms) workshop series began in 2005 with a single satellite workshop at AAMAS in Utrecht [1]. Since then two meetings have been organized each year, with one typically attached to AAMAS and the other to another major conference in a different continent from AAMAS [2], [3], [4]. This year, exceptionally, a third event is being held in support of the MALLOW federated workshops. Each meeting—particularly those not associated with AAMAS—aims to build links to an associated research theme to explore and encourage opportunities for cross-fertilization.

I. INTRODUCTION

For this edition of COIN, the focus is on how COIN topics influence and are realized in on-line communities, where it is necessary to take into account social, legal, economic and technological dimensions of agent-agent, agent-human, human-human interactions in order to ensure social order within these environments. Such communities are dynamic and offer significant challenges because of their potential dissimilarity to conventional human social structures, with the associated strengths, weaknesses, opportunities and threats posed by alternative interaction modalities that derive from the different physics of such virtual environments. This leads to the exploration and establishment of new normative frameworks that do not necessarily have parallels in the physical world but are well reflected in "made natures" such as the Web. Such frameworks are not only interesting for the agent community but also have attracted interest of the Semantic Web Community in events such as the recent W3C Workshop on the Future of Social Networking.

The accepted presentations reflect a mix of both classical COIN topics and theme-related papers. Highly interactive sessions are a feature of the COIN meetings that we try to enable through a range of alternative approaches: in this case one session will comprise regular papers where each of these papers is introduced by one of the other presenters; a second session features an invited talk from Alexandre Passant who is closely involved with the W3C Social Web Incubation Group, while the third session will function as a round table, driven by several short presentations of work in progress, highlighting open issues and again related to the on-line communities theme.

There are five regular papers, each of which received at least three reviews in order to supply the authors with comprehensive feedback, and four work-in-progress/project status papers. Selected and extended papers will appear in the annual COIN volume in the Springer LNCS series. We would like to thank all authors for their contributions and the members of the Programme Committee for the excellent work during the reviewing phase.

Julian Padget, Axel Polleres
August 11, 2009

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III. LIST OF PAPERS

Full Papers:

- Normative Programming for Organisation Management Infrastructures
  Jomi Fred Hübner, Olivier Boissier and Rafael H. Bordini
- Towards an architecture for self-regulating agents: a case study in international trade
  Brigitte Burgemeestre, Joris Hulstijn and Yao-Hua Tan
- Four Ways to Change Coalitions: Agents, Dependencies, Norms and Internal Dynamics
  Guido Boella, Leon van der Torre and Serena Villata
- Dealing with incomplete normative states
  Juan Manuel Serrano and Sergio Saugar
- Directing Status Messages to their Audience in Online Communities
  Milan Stankovic, Alexandre Passant and Philippe Laublet

Project Descriptions:

- Managing water demand as a regulated open MAS
  Vicent Botti, Antonio Garrido, Adriana Giret and Pablo Noriega
- Open Interaction System Specification and Monitoring Using Semantic Web Technology
  Nicoletta Fornara
- SIOC Project: Semantically Interlinked Online Communities
  Uldis Bojars and Alexandre Passant
- Norms, Organisations and Semantic Web Services: The ALIVE approach
  Sergio Alvarez-Napagao, Owen Cliffe, Julian Padget and Javier Vázquez

IV. SPONSORING INSTITUTIONS

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