

# Preface

LCMAS 2004, the second international workshop on Logic and Communication in Multi-Agent Systems, was held in the second week of ESSLLI 2004, the 16th European Summerschool in Logic, Language and Information hosted by Université Henri Poincaré, Nancy, 9-20 August 2004. These proceedings contain an invited paper and four selected contributions, that were revised based on the feedback of a reviewing process and discussions during the workshop.

The LCMAS workshop series aims at bringing together researchers interested in topics related to the development and use of formal tools when applied to modelling, specifying, verifying, and reasoning about multi-agent systems in which communication and updating play a crucial role. Therefore, the workshop wants to provide a forum for discussing technical issues that arise in formalisms (epistemic, temporal, dynamic and authentication logics and tools) inspired by the needs of modelling information exchanges in multi-agent systems. The papers contained in this volume illustrate various approaches of dealing with interpretation and profilation of information in multi-agent systems.

The program committee for LCMAS 2004 consisted of Johan van Benthem (Amsterdam), Frank de Boer (CWI Amsterdam, Utrecht), Iliano Cervesato (ITT Industries), Marco Colombetti (Milan), Rogier van Eijk (University of Utrecht), Andrew Jones (King's College London), Yannis Labrou (Fujitsu Labs of America), Riccardo Pucella (Cornell University), Pierre-Yves Schobbens (University of Namur), Marek Sergot (Imperial College London) and Luca Viganò (ETH Zurich). Additional reviewing was carried out by the organisers.

The programme of the workshop consisted of two invited talks, one by Ahti-Veikko Pietarinen (University of Helsinki) entitled Epistemic Logics of Imperfect Information for Multi-Agent Communication, and one by Holger Schlingloff (Humboldt Universität and Fraunhofer Institut, Berlin) entitled Modelling and Model Checking Web Services, complemented by eight technical presentations.

Many thanks to Carlos Areces and Patrick Blackburn, local ESSLLI 2004 organisers, for their excellent logistic and organisational support, and to all who have contributed to and participated in LCMAS 2004 and helped making it a success.

*November 2004,*  
*Wiebe van der Hoek, Alessio Lomuscio, Erik de Vink and Mike Wooldridge*  
*(workshop organizers)*

*This is a preliminary version. The final version will be published in*  
*Electronic Notes in Theoretical Computer Science*  
*URL: [www.elsevier.nl/locate/entcs](http://www.elsevier.nl/locate/entcs)*