

WAT 2010

PROCEEDINGS

III Workshop on Agreement Technologies
(WAT 2010 at Iberamia 2010)

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Universidad Nacional del Sur
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**AGREEMENT
TECHNOLOGIES**

www.agreement-technologies.org

Preface

Agreement is one of the crucial social concepts that helps human agents to cope with their social environment and is present in all human interactions. In fact, without agreement there is no cooperation and ultimately social systems cannot emerge. Agreement is necessary in our everyday life.

Until recently, the concept of agreement was a domain of study mainly for philosophers, sociologists and was only applicable to human societies. However, this situation has changed in the recent years, especially with the spectacular emergence of information society technologies. Computer science has moved from the paradigm of an isolated machine to the paradigm of a network of systems and of distributed computing. Likewise, artificial intelligence is quickly moving from the paradigm of an isolated and non-situated intelligence to the paradigm of situated, social and collective intelligence. Hence, the concept of agreement has become key for a robust understanding and an efficient implementation of artificial social systems.

In this context, Agreement Technologies is a new approach of Distributed Artificial Intelligence for constructing large-scale open distributed computer systems. This workshop on Agreement Technologies is specifically addressed for any work that aims at developing models, frameworks, methods and algorithms for constructing such systems. In other words, this workshop focuses on approaches and solutions for the needs of next generation computing systems where autonomy, interaction and mobility will be the key issues. Most importantly, it concentrates on techniques that enable software components to reach agreements on the mutual performance of services.

Agreement Technologies integrates many research efforts from different fields of Artificial Intelligence. Hence, this workshop is specifically tailored to research works related to this new approach. Finally, the editors would like to thank all the people that bring about WAT and Iberamia 2010. First of all, thanks to the authors for ensuring the richness of the workshop and the members of the program committee for their professionalism and dedication. Furthermore, we owe particular gratitude to the Iberamia organizing committee.

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WAT2010 Organizing Committee

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Index

1. An Electronic Institution for simulating water-right markets	9
<i>Vicente Botti, Antonio Garrido, Juan Gimeno, Adriana Giret, Francesc Igual, Pablo Noriega</i>	
2. Semantic Service Discovery in MAS Using Social Networks	23
<i>Elena del Val, Miguel Rebollo, Vicente Botti</i>	
3. Trust and Belief, Interrelation	35
<i>Besik Dundua, Levan Uridia</i>	
4. Behavioral Similarity of Semantic Web Services	43
<i>Zijie Cong, Alberto Fernández</i>	
5. An Ontology for Formalising Agreement Patterns in Auction Markets	53
<i>Jose J. Duran, Carlos A. Iglesias</i>	

