



CARe-MAS'17

Nice, France, 31 October 2017

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Computational Accountability and Responsibility in Multiagent Systems

*First Workshop, CARe-MAS 2017
co-located with 20th International Conference
on Principles and Practice of Multi-Agent Sys-
tems (PRIMA 2017)
Nice, France, October 31st, 2017
Workshop Notes*

CARe-MAS 2017 Home Page:
<http://www.di.unito.it/~baldoni/CAREMAS17/>

Preface

Individual and organizational actions have social consequences that call for the implementation of recommendations of good conduct at multiple levels of granularity. For firms, business ethics is the essence of a healthy society (OECD reports) and, indeed, a growing number of companies issue voluntary codes of conduct to commit to values like legal compliance, accountability, privacy, and trust. Government agencies, on the other side, identify transparency as a key value that promotes accountability, public participation, collaboration, and effectiveness. United Nations continuously stress “the need for a robust, yet flexible, accountability framework to assess progress and achieve results, as well as ensure that all actors honour their commitments” (General Assembly President John Ashe, 2014).

The CARE-MAS Workshop aims at providing a discussion forum for researchers and practitioners who are investigating issues related to computational accountability and responsibility in multi-agent systems. In other words, CARE-MAS concerns the use of Artificial Intelligence techniques and approaches – with particular care to multiagent systems– to help supporting the realization of accountability frameworks which, in turn, help organizations to respect their commitments, help individuals in organizing their work, help managers in taking decisions, improve infrastructure and procedures, and so forth. The development of such specialized management systems introduces challenges and requirements for handling ethical issues, e.g. serving the requirements of transparency, accountability, and privacy preservation. We believe that such challenges can be faced with the support of intelligent systems, with plenty of potential applications in fields like finance and business transactions, fair business practices, resource management, consumer protection, economic systems, corruption, sales and marketing, health care, public administration, smart cities, and decision support.

The CARE-MAS Workshop is the conclusive event of the two-year project AThOS¹ (Accountable Trustworthy Organizations and Systems), and is held as a full day workshop co-located with the PRIMA conference in Nice, France on October 31st, 2017. The workshop receive 6 submissions, each of which had at least three reviews. The program also includes two invited talks. The first “Accountability by Dialogue: a new approach to data protection” by dr. Joris Hulstijn from Tilburg University (The Netherlands). The second “How to Approach the Problem of Coming to Responsible Intelligent Systems?” by Jan Broersen from Utrecht Univeristy (The Netherlands).

We are confident that the talks offer an interesting perspective of the work that has been done about accountability in from a computational perspective, and they will also offer the opportunity for fruitful and interesting discussions.

¹ <http://di.unito.it/athos>

VI

We would like to thank the members of the Program Committee for their excellent work during the reviewing phase. We also acknowledge the EasyChair conference management system that –as usual– provided its reliable and useful support of the workshop organization process. Moreover, we would like to thank the members of the Steering Committee of PRIMA for their valuable suggestions and support.

January 16th, 2018

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Table of Contents

Invited Talks

Accountability by Dialogue: A New Approach to Data Protection	1
<i>Joris Hulstijn</i>	
How to Approach the Problem of Coming to Responsible Intelligent Systems?	2
<i>Jan M. Broersen</i>	

Contributed Papers

The AThOS Project: First Steps towards Computational Accountability .	3
<i>Matteo Baldoni, Cristina Baroglio, Roberto Micalizio</i>	
Instrumenting Accountability in MAS with Blockchain	20
<i>Fernando G. Papi, Jomi F. Hübner, Maiquel de Brito</i>	
Towards the Specification of Natural Language Accountability Policies with AccLab: The Laptop Policy Use Case	35
<i>Walid Benghabrit, Jean-Claude Royer, Anderson Santana De Oliveira</i>	
Requirements for a Temporal Logic of Daily Activities for Supportive Technology	43
<i>Malte S. Kliess, M. Birna van Riemsdijk</i>	
Open Data for Accountability in the Fight Against Corruption	52
<i>Joris Hulstijn, Darusalam Darusalam, Marijn Janssen</i>	
Classifying the Autonomy and Morality of Artificial Agents	67
<i>Sjur Dyrkolbotn, Truls Pedersen, Marija Slavkovic</i>	
Author Index	84