



SCIENTIFIC PROGRAM

12th December

9:00-9:30 Welcome and reception

9:30-10:30 **AUDITORIUM** Invited talk by *Mehdi Dastani*

10:30-11:00 Coffee break

11:00-12:30 Session 1 **AUDITORIUM - Cognitive agents - Chair: Mehdi Dastani**

- *Florian Pecune, Magalie Ochs and Catherine Pelachaud.*
A formal model of social relations for artificial companions
- *Luca Sabatucci, Massimo Cossentino, Carmelo Lodato, Salvatore Lopes and Valeria Seidita.*
A possible approach for implementing self-awareness in JASON
- *Jordi Sabater-Mir, Joan Cuadros and Pere Garcia.*
A framework that allows using a cognitive architecture to personalize recommendations in e-commerce

11:00-12:30 Session 2 **SALLES DES THESES - Learning - Chair: Srdjan Vesic**

- *Kleanthis Malialis and Daniel Kudenko.*
Large-scale DDoS response using cooperative reinforcement learning
- *Ronald Chu and Gerard Vreeswijk.*
Extending fictitious play with pattern recognition
- *Kyriakos Efthymiadis, Sam Devlin and Daniel Kudenko.*
Abstract MDP reward shaping for multi-agent reinforcement learning

12:30-14:15 Lunch break

14:15-16:15 Session 3 **AUDITORIUM - Cooperation, conflict and adaptation** - Chair: Frederic Migeon

- *Elizabeth Sklar, Simon Parsons, A. Tuna Ozgelen, M. Q. Azhar, Todd Flyr, Jeffery Raphael and Eric Schneider.*
A practical approach to human/multi-robot teams
- *François Gatto, Marie-Pierre Gleizes and Lucas EliceGUI.*
Saver: Self-adaptive energy saver
- *David King and Philip Breedon.*
A metric for hexagonal grid-world cooperative object recognition tasks for a swarm of agents
- *Carlos Lemos, Helder Coelho and Rui J. Lopes.*
Agent-based modeling of social conflict, civil violence and revolution: state-of-the-art-review and further prospects

14:15-16:15 Session 4 **SALLES DES THESES - Voting, judgment aggregation and norms** - Chair: Laurent Perrussel

- *Dorothea Baumeister, Sylvain Bouveret, Jérôme Lang, Trung Thanh Nguyen, Jörg Rothe and Abdallah Saffidine.*
Positional scoring rules for the allocation of indivisible goods
- *Nardine Osman, Carles Sierra and Marco Schorlemmer.*
Charters for self-evolving communities
- *Bas Testerink, Mehdi Dastani and John-Jules Meyer.*
Norms in distributed organizations
- *Jérôme Lang, Marija Slavkovic and Srdjan Vesic.*
On the notion of separability in judgment aggregation

16:15-16:45 Coffee break

16:45-17:45 Session 5 **AUDITORIUM - MAS methodology and applications** - Chair: Dominique Longin

- *Luc Pons and Carole Bernon.*
A multi-agent system for autonomous control of game parameters
- *Juan Pablo Paz Grau and Andres Castillo Sanz.*
Test driven development of MAS

20:00 Gala dinner: Restaurant «Les Arcades», place du Capitole.

13th December

9:15-10:15 **AUDITORIUM** Invited talk by Andrew Jones

10:15-10:45 Coffee break

10:45-12:45 Session 6 **AUDITORIUM - LAMAS special track** - Chair: Philippe Balbiani

- *Natasha Alechina, Mehdi Dastani and Brian Logan.*
Reasoning about normative update
- *Lluís Godo and Enrico Marchioni.*
Logics for non-cooperative games with expectations
- *Robert Demolombe.*
Causality in the context of multiple agents
- *Zoé Christoff.*
A logic for social influence through communication

10:45-12:45 Short paper session **SALLES DES THESESES** - Chair: Carole Adam

- *Valérian Guivarch, Valérie Camps, André Peninou and Simon Stuker.*
Dynamic filtering of useless data in an adaptive multi-agent system: evaluation in the ambient domain
- *Marc Pujol-Gonzalez, Jesus Cerquides, Pedro Meseguer and Juan Antonio Rodriguez-Aguilar.*
On binary Max-Sum and tractable HOPs
- *Lúcio Sanchez Passos, Rosaldo Rossetti and Joaquim Gabriel.*
Diagnosis of unwanted behaviours in multi-agent Systems
- *Utku Ketenci, Emmanuel Adam, Emmanuelle Grislin and Rene Mandiau.*
Volatile knowledge for mobile agents: application to autonomous vehicles management
- *Victor Galvão and Luciano Coutinho.*
Organizational interface for computer games
- *Jérémy Boes, Frederic Migeon and François Gatto.*
Self-organizing agents to learn the control of heat engines

12:45-14:15 Lunch break

14:15-15:30 Short paper session **AUDITORIUM** - Chair: Florence Bannay

- *Laurence Cholvy.*
Second hand information and imperfect information sources
- *Carole Adam and Dominique Longin*
Shame: when emotion and reasoning are linked
- *Asma Belhadi, Didier Dubois, Faiza Khellaf-Haned and Henri Prade.*
Reasoning about the opinions of groups of agents
- *Nicolas Paget, Gabriella Pigozzi and Olivier Barreteau.*
Information sharing for natural resources management
- *Sylvie Doutre and Laurent Perrussel.*
On enforcing a constraint in argumentation

14:15-15:30 Short paper session **SALLES DES THESES** - Chair: Frédéric Moisan

- *Marin Lujak and Marija Slavkovic..*
Retailer-group supplier assignment: comparison of two collaborative decision making models
- *Zeineb Graja, Frédéric Migeon, Christine Maurel, Marie-Pierre Gleizes, Amira Regayeg and Ahmed Hadj Kacem.*
A stepwise refinement based development of self-organizing multi-agent systems: application on the foraging ants
- *Leo van Moergestel, Erik Puik, Daniël Telgen and John-Jules Meyer.*
Multiagent-based agile manufacturing: requirement-driven low cost production
- *Nuno Trindade Magessi and Luis Antunes.*
Agent's fear monitors the spread of greed in a social network
- *Matthis Gaciarz, Samir Aknine and Neïla Bhourì.*
A coalition-based approach for cooperative urban traffic regulation

15:30-16:00 Coffee break

16:00-17:00: Open discussion session **AUDITORIUM**

17:00 Closing of the workshop