eleventh
international
conference
on
autonomous
agents and
multiagent
systems

AAMAS
2012

4th- 8th June 2012
Valencia

W17 – MABS
Multi-Agent Based Simulation
Workshop Program

MONDAY JUNE 4

INVITED TALK (Chair: Fred Amblard)

9:30
Prof Jaime Sichman
Laboratorio de Tecnicas Inteligentes
Depto. Eng. Computacao e Systemas Digitais (PCS)
Escola Politecnica
Universidade de Sao Paulo
Sao Paulo, Brazil
Analysis of von Neumann Neighborhoods Parallel Simulations

SESSION 1: MODELLING SOCIAL INTERACTIONS (Chair: Francesca Giardini)

10:50
Gennaro Di Tosto and Frank Dignum
Simulating Social Behaviour Implementing Agents Endowed with Values and Drives

11:20
Cristiano Castelfranchi
Earthquakes in Trust Networks: Basic Dynamic Principles

11:50
Martyn Lloyd-Kelly, Katie Atkinson and Trevor Bench-Capon
Developing Cooperation Through Simulated Emotional Behaviour

12:20
Taranjeet Singh Bhatia, Saad Ahmad Khan and Ladislau Boloni
Towards an operational model for the propagation of public perception in multi-agent simulation

13:00 **LUNCH BREAK**

SESSION 2: COGNITION AND AGENTS' BEHAVIORS (Chair: Fred Amblard)

14:20
Silvia Berlinger and Friederike Wall
Effects of Combined Human Decision-Making Biases on Organisational Performance

14:50
H. Van Dyke Parunak, Sven Brueckner, Elizabeth Downs and Laura Sappelsa
Swarming Estimation of Realistic Mental Models

15:20
Davi Baccan and Luis Macedo
Revisiting the El Farol problem: a cognitive modeling approach

SESSION 3: AGENTS AND GAMES (Chair: Francesca Giardini)

16:30
Luis Filipe Tefilo, Rosaldo Rossetti, Luis Paulo Reis and Henrique Lopes Cardoso
A Simulation System to Support Computer Poker Research

17:00
Ben-Alexander Cassell and Michael Wellman
EGTAOnline: An Experiment Manager for Simulation-Based Game Studies

ROUND TABLE (Chair: Fred Amblard)

TUESDAY JUNE 5

SESSION 4: METHODOLOGIES AND TOOLS (Chair: Francesca Giardini)

14:20 Davide Nunes and Luis Antunes
Parallel Execution Of Social Simulation Models In A Grid Environment

14:50 Jean-Baptiste Soyez, Gildas Morvan and Daniel Dupont
A Methodology to Engineer and Validate Dynamic Multi-level Multi-agent Based Simulations

15:20 Chris J. Wright, Phil McMinn and Julio Gallardo
Testing Multi-Agent Based Simulations using MASTER

SESSION 5: MULTI-AGENT SYSTEMS FOR DESIGN AND EVALUATION (Chair: Fred Amblard)

16:30 Carrie Rebhuhn, Brady Gilchrist, Sarah Oman, Irem Tumer, Rob Stone and Kagan Tumer
A Multiagent Framework for Component-Level Creativity Evaluation

17:00 Shohei Yamane, Kotaro Ohori, Akihiko Obata, Noriyuki Kobayashi and Nobuhiro Yugami
Agent-Based Social Simulation for a Checkout Layout Design of a Specific Supermarket

17:30 Efstathios Panayi, Mark Harman and Anne Wetherilt
Agent-based modelling of stock markets using existing order book data

18:00 **ADJOURN**