

TFG “Self-Organisation in MAS” Meeting

CALL FOR PARTICIPATION

Preliminary Agenda

13th December

Wednesday 13th of December

9:30 – 10:00 Welcome

Summary of what has been achieved so far by the TFG (meetings, papers, book proposal)

10:00- 11:00 Presentations

Oswaldo Velez-Langs

"Evolutionary Algorithms for Agents Development"

Universidad Rey Juan Carlos - Madrid – Spain

Marie-Pierre Gleizes

“Cooperation as an engine for self-organisation”

IRIT – Université Paul Sabatier – Toulouse - France

11:00 11:15 Coffee break

11:15- 11:45 Collaborative Work on the following paper

Yoram Louzoum and Henri Atlan

The emergence of goals in a self-organizing network: A non-mentalist model of intentional actions

Neural Network Elsevier 2006

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=16949253&dopt=Abstract

11:45- 12:30 Emergence and Intentions

- a. “Can we speak about emergence in genetic algorithms or in neural networks”
- b. “What is the link between intentions and emergence?”

12:30 14:00 Lunch break

14:00 –14:45 Collaborative Work on the following paper

Christofer W. Johnson

What are Emergent Properties and How do They Affect the Engineering of Complex Systems? Reliability Engineering and System Safety, 91(12), pp 1475-1481, 2006.

<http://www.dcs.gla.ac.uk/~johnson/papers/emergence.pdf>

14:45 – 16:00 Analysing the emergent concept: Drivers and constituents

The aim of this session is to try to elaborate a definition of the emergence in artificial systems.

16:00 16:30 break

16:30 - 17:00 Presentation

Paul Valckenaers

“Nervousness and forecast reliability in MAS coordination and control systems.”

K.U.Leuven, Leuven – Belgium

17:00 –17:30 Wrapping up: Synthesis and conclusion

How to continue in the future (funding, meeting, projects, etc.)

17:30 18:00 break

18:00 –18:30 Common session with other TFG and conclusions of all TFG