

updated September 2015

Doctoral Program in Complexity Sciences 2015-1016

Research Topics in Social Stigmergy

Goal

Students will develop competencies related to the understanding of social stigmergic behaviour, and will contribute to the research in this domain.

Program

1. Which are the existing sources of literature, and the essential theoretical concepts in the domain of Social Stigmergy. Case studies in biology, zoology, and sociology;
2. Simulate in computer social models with stigmergic interaction;
3. Participation in stigmergic improvisation games in a laboratory, under the supervision of a choreographer;
4. Write a scientific article including a description and critical analysis of the previous experiment;
5. Organise a workshop about Social Stigmergy. Present and discuss the scientific article previously mentioned.

Assessment

Continuous Assessment:

- Participation in the theoretical sessions (20%)
- Participation in the improvisation games (20%)
- Organisation of the workshop (20%)
- Scientific article
 - text (20%)
 - presentation (20%).