

Can natural and social sciences inspire worthy intelligent computation models?

Modeling Intelligence: natural and social sciences may be important sources of inspiration for intelligence modelers

After billions of years of existence natural systems went through a massive evolutionary process. We aim at profiting from this cumulative experience gathered extensively in various levels namely, atomic, biological, psychological and social ones.

As a computational modeler the traits that make all these systems smart, economical and self-supportive should be selected as the focus of studies and simulations.

Many are the examples of work pursued by me and some other colleagues of my group; the following charts contain the most recent topics. The accompanying texts of each chart draw attention to only a few aspects that are currently being studied.



Fishes, swimming in schools, maximize mutual survivability (see FSS Project)



Wolves, hunting in packs, share tasks in a orderly and effective manner (see WPA Project)



Social clashes produce revamps on collective roles, goals and relations (see ODM Project)