MSHS AXE 1 COGNITION & COOPÉRATION

11 MARS 2015 18-19

Disciplines concernées a priori

informatique, psychologie, sciences de l'éducation, sociologie.

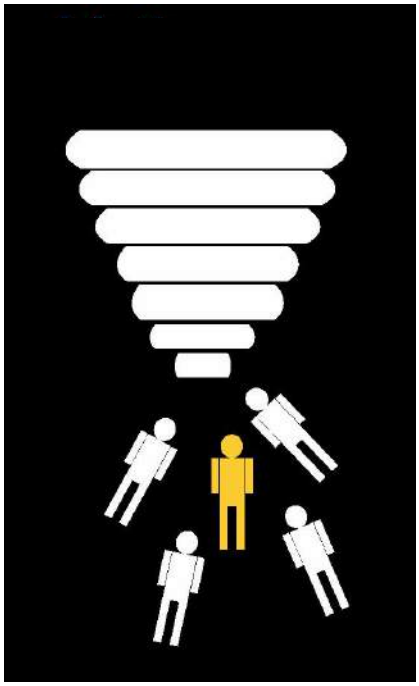
Relevant domains

Computer sc., psychology, sociology, educational sc.

Learning Along with Others
Conférence

Axe 1 - MSHS Sud-Est

The picture above (taken at Indiana University) shows that when one goes one's own way in creating new paths, those paths will often be attractive to other people, who will reinforce and modify them for their own purposes.
Robert Goldstone, Professor of Psychological and Brain Sciences, Indiana University (USA), and the *Percepts and Concepts Laboratory* at Indiana University have developed internet-enabled experimental platforms to explore group patterns that emerge when people attempt to solve simple problems while taking advantage of the developing solutions of other people in their social network.
One line of experiments and computer simulations shows that there is a systematic relation between the difficulty of a problem search space and the optimal social network for transmitting solutions.



As searching a problem space gets increasingly difficult, people tend to increasingly imitate prevalent options, options that become increasingly prevalent, high-scoring options, and solutions similar to one's own solution.

In a real-world extension of this work, we study how parents in the United States name their babies. Using a historical database of the names given to children over the last century in the United States, we find that naming choices are influenced by both the frequency of a name in the general population, and increasingly by its "momentum" in the recent past. More broadly, we consider collective patterns of diversity, problem space coverage, and group performance that arise when people interact – patterns that group members often do not understand or even perceive.

Ouvert au public - SJA 2, MSHS, Nice - Amphi 5 (A CONFIRMER)