

# MSHS AXE 1 COGNITION & COOPÉRATION

8 Janvier 2014

Disciplines

principalement

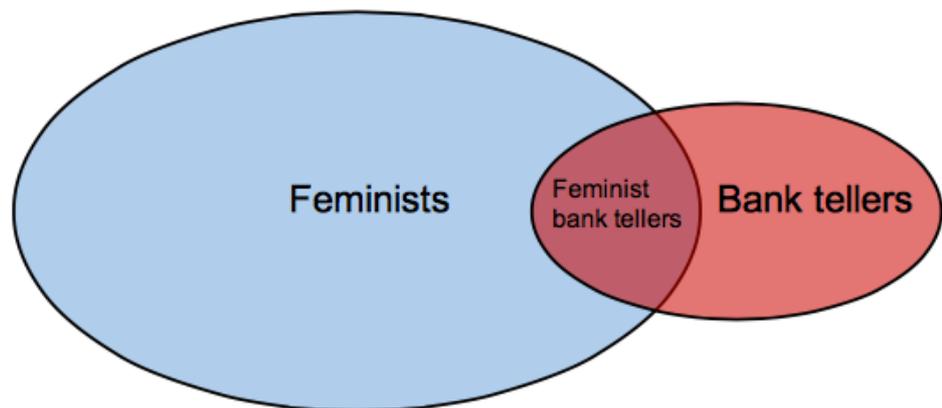
concernées :

Economie

Psychologie

Physique

Philosophie



Source : [http://bias123.com/conjunction\\_fallacy](http://bias123.com/conjunction_fallacy)

## Quantum models of cognition Symposium

### Axe 1 - MSHS Sud-Est

Human cognition displays features that are known to be hard to model within classical frameworks: order effect (the answers given to two questions depend on the ordering of these questions), conjunction fallacy (a conjunction of events is more likely than a single of these events), and disjunction fallacy (an agent is more likely to be part of a subset than of a larger set). To account for these effects, a series of quantum models have recently been developed. They are quantum insofar as they use the mathematical tools employed in the contemporary physical theory of quantum mechanics. More generally, quantum models have been proposed to model other aspects of cognition, like memory, or to renew approaches in game theory.

This workshop is devoted to recent advances on these quantum models of cognition. It is an interdisciplinary

workshop, that gathers specialists from the various fields that contribute to the problems under discussion: economics, psychology, cognitive sciences, physics, philosophy.

10h50, **Fabien Mathy** (responsable de l'Axe 1, Université Nice Sophia Antipolis).  
Ouverture

11h00, **Thomas Boyer-Kassem** (Université de Lorraine), **Sébastien Duchêne, & Eric Guerci** (Université Nice Sophia Antipolis). Testing quantum models of judgment for question order effects.

11h45, **Ariane Lambert-Mogiliansky** (Ecole d'Economie de Paris). Our (represented) World - A Quantum-like object.

13h45, **Hervé Zwirn** (Université Paris 7). Formalisme quantique et théorie de la décision.

14h30, **Ismael Martínez-Martínez** (University of Düsseldorf). Basic Framework for Games with Quantum-like Players.

15h15, pause

15h45, **Jacob Denolf** (Ghent University). Complementary Memory Types.

17h00, **Thomas Boyer-Kassem** (Université de Lorraine), **Sébastien Duchêne, & Eric Guerci** (Université Nice Sophia Antipolis). Testing quantum models of judgment for conjunction fallacy.

**Planning : 11h-18h**

**Ouvert au public - SJA 3, avenue des diables bleus, Nice, MSHS - Salle plate, rez-de-chaussée**