La question de la modélisation en sciences sociales :
mathématiques et informatique

Henri Berestycki, Jean-Pierre Nadal et Pierre Rosenstiehl

mardi 17 février à 15h

Salle 466, EHESS, 190-198 avenue de France, 75013 – Paris

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From stochastic differential games and kinetic theory methods to the modeling of behavioral social crowds

This lecture aims at providing an answer that can be given to the following five key questions :
- Why a "crowd is a social, hence complex," system ?
- How mathematical sciences can contribute to understand the "behavioral dynamics of crowds" ?
- How the crowd behaves in extreme situations such as panic and how models can depict them ?
- Can a crowd be subject to large deviations (black swan) ?
- Which are the methods and tools to deal with the multiscale features of a crowd can ?

The answer to the key question takes advantage of recent research activity documented in the five titles in the bibliography. The answer opens to challenging research perspectives.


Retrouvez ici toutes les informations sur le séminaire et les prochaines séances :
http://cams.ehess.fr/document.php?id=979 (affiche disponible à cette adresse)