Postdoctoral fellowship for 1 year or 4th-year PHD in economics or computer science

The positions are financed by the project NET of ANR (Agence Nationale de Recherche). The aim of this project is to explore information and communication in large networks. The project is motivated by the radical changes in communication that we have been experiencing over the past fifteen years through the huge development of communication tools, amongst which high-capacity computers and the Internet technology play a crucial role. The new environment, characterized by multilateral relationships on a high scale that are well described by ‘large networks’, has opened up new forms of competition, cooperation, and power.

The successful applicants will work on subjects related to the project, for example on

1. The analysis of systems that are used to organize, process, aggregate and filter information on the Internet. Such systems may be centralized, as is the case with search engines’ ranking systems (PageRank being the most famous example), or decentralized (e.g. forums of opinions or communities of interest).

2. Information transmission and competition in the banking sector, modeling the multilateral inter-bank network.

Applicants in economics or computer science will be considered. He/she is expected to have a strong background in one of the following fields: social choice theory, network theory, game theory, financial economics, computer science.

The positions are opened to post-doc or to fourth-year PhD students about to complete their thesis. The duration is from 6 month to one year, between September 2012 and December 2013.

Location: Paris School of Economics

Basic salary: 2300 €/month net (of social contributions) for a post doc, 1700 €/month net for a PHD.

Possibility of extra salary by teaching.

Applicants should send a full CV, including publication list and two reference letters by June 30, 2012 to havet@ens.fr.

Responsible of the project: Gabrielle Demange

Students will get the result of the admission procedure in mid July. An interview will be possibly required.