

# **BERVOETS Sebastian**

**CNRS Research Fellow**

Greqam-Idep  
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## **PERSONAL**

Born July 25<sup>th</sup>, 1975. Married, 1 child.  
Citizenship: Belgian and British

## **WORKING EXPERIENCE**

- Oct. 08 - Research Fellow at CNRS – Member of Greqam and Idep**
- Jan. 08 to Sept. 08 Juan de la Cierva Researcher - Universidad Autònoma de Barcelona** – Center for the study of the Organizations and Decisions in Economics (CODE).
- Jan. 06 to Dec. 07 Research assistant – Universidad Autònoma de Barcelona** – Center for the study of the Organizations and Decisions in Economics (CODE).
- Oct. 98 to Sept. 01 SOCIETE NATIONALE DES CHEMINS DE FER (SNCF)  
French Railway Company**  
Tactician at the Operational Center for High Speed Trains (TGV), Paris  
- In charge of studies on the Yield Management;  
- Improvement of a mathematical model on trafic prevision and train allocation;  
- Software engineering.
- March to July 98 Training at the CERT-ONERA in Toulouse**  
Modelling of the particle dispersion in a turbulent flow.
- June 97 to March 98 Year in the Universidad de Chile** in Santiago du Chili.  
Seminar presentation in Fluid Mechanics and Partial Differential Equations.
- April to June 97 Training at the CEA-Cadarache**

## EDUCATION

- 2002-2005**      **PHD in Economics** with highest honors - Université de la Méditerranée – GREQAM- IDEP. “*Freedom of Choice and Democracy*” under supervision of Nicolas GRAVEL  
Field: Social Choice Theory – Voting Theory  
*Committee:* Francis Bloch (President), Marc Fleurbaey, Nicolas Gravel, Jean-François Laslier, Prasanta Pattanaik, Alain Trannoy.
- 2001-2002**      **Masters in Mathematical Economics and Econometrics at GREQAM**  
University of Aix-Marseille.
- 1995-1998**      **Masters Degree in Engineering – Department of Mathematical Modelling at INSA (Institut National des Sciences Appliquées) – Toulouse.**
- 1993-1995**      **Bachelor of arts in Mathematics – Université d’Aix-Marseille**

## AWARDS

- 2006**              **PHD Award** for the best thesis in economic sciences - Université Aix-Marseille II
- 2008**              **Juan de la Cierva** scholarship in CODE - Barcelona

## SCIENTIFIC ACTIVITIES

### Publications in refereed journals

- **Appraising Diversity with an Ordinal Conception of Similarity: an Axiomatic Approach**, with N. Gravel - *Mathematical Social Sciences*, Vol. 53, n.3, pp 259-273, 2007
- **Freedom of Choice in a Social Context : Comparing Game Forms - Social Choice and Welfare**, Vol. 29, n.2, pp 295-315, 2007
- **De la manipulation des elections indirectes** with V. Merlin - *Revue Economique*, Vol. 58, n.3, pp 767-777, 2007
- **Gerrymander-Proof Representative Democracies**, with V. Merlin – forthcoming *International Journal of Game Theory*
- **An axiomatic approach to predictability of outcomes in an interactive setting**, *Theory and Decision*, Vol.68, n.3, pp 311-323, 2010

### Research assistantship in 2006 and 2007

- **For S. Barberà** : Bibliographical assistance and rereading for “Strategy-proof Social Choice” for the Handbook of Social Choice
- **For A. Calvo-Armengol** : Simulations for the paper “Investing in the Creation of Synergies: Building Socio-Economic Networks” by A. Cabrales, A. Calvo-Armengol and Y. Zenou.

- **For A. Calvó-Armengol :** Simulations for the paper “On Optimal Communication Networks” by A. Calvó-Armengol and J. de Martí
- **For J. Massó :** Survey on the literature about renal grafts. Modelling suggestions. Fields: Matching and Queueing problems
- **For C. Calsamiglia, G. Haeringer and F. Klijn :** Algorithms implementation for matching models (Gale-Shapley, Trading Top Cycle and Boston) with constrained information. Data generation program.

### Editorial activities

Referee for *Social Choice and Welfare*, *Mathematical Social Sciences*, *Theory and Decision*, *Annales d'Economie et de Statistiques*, *Economie Publique*, *Revue d'Economie Politique*.

### Conferences and seminars (with oral presentation)

to be updated

- 2006** 5<sup>èmes</sup> Journées Louis-André Gérard-Varet (Marseilles), 55<sup>ème</sup> Congrès de l'AFSE (Paris), ASSET annual conference (Lisboa)
- 2005** PET (Public Economic Theory) (Marseille), Logic Games and Social Choice (Caen), CODE seminar in Universidad Autonoma de Barcelona, Seminar in Universidad Publica de Navarra (Pamplona)
- 2004** 3<sup>èmes</sup> Journées Louis-André Gérard-Varet (Marseilles), 2<sup>nd</sup> World Congress of Game Theory (Marseilles), 7<sup>th</sup> International Meeting of the Society for Social Choice and Welfare (Osaka)
- 2003** 8<sup>th</sup> Coalition Theory Workshop (Aix-en-Provence), 4<sup>ème</sup> Jamboree EDGE (European Doctorate Group in Economics - Aix-en-Provence), 13<sup>èmes</sup> Journées SESAME (Caen), ASSET annual conference (Ankara)

### Visiting positions

**Feb. to May 2004** - Visiting scholar at the University of California Riverside – invited by Pr. Prasanta Pattanaik

**Jan. 2006 to June 2007** – Research Assistant at the Universidad Autonoma de Barcelona

### Other activities

Organizer of the **General Seminar** in Greqam

Local Organizer of the **15th Coalition Theory Network** meeting in Marseille

Local Organizer for the conference **Social Networks and Peer Effects: Theory and Applications** in Barcelona in 2008

Assisting organizer for the **4th Trobada Barcelona Economics** in 2006

Organisational help for the **2<sup>nd</sup> World Congress of Game Theory** in Marseilles in 2004

## LANGUAGES

French, English, Spanish, notions in Russian