

# Curriculum Vitae

Nicolas Debarsy

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## Contact

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## Current position

**2017** – CNRS research fellow (CR1), Lille Economie et Management, UMR CNRS 9221

## Past positions

**2012** – **2016** CNRS research fellow (CR2), Laboratoire d'Economie d'Orléans, UMR CNRS 7322

**2011-2012** Post-doc LEO - UMR 7322 and Centre de recherche en Economie Régionale et Politique Economique (CERPE), University of Namur (Belgium)

## Education

**2007 -2011** Ph.D in Economics. Supervisors: Profs. Vincenzo Verardi (University of Namur) and Cem Ertur (University of Orléans, France). Dissertation title: "Essays in spatial autoregressive panel data models". Ph.D grant of the FRS - FNRS (Fonds National de la Recherche Scientifique). Committee: Lung-fei Lee (Ohio State University), Cem Ertur (University of Orléans), Vincenzo Verardi (University of Namur), Romain Houssa (University of Namur), Marcus Dejardin (University of Namur).

**2006-2007** Master of Arts in Economics, University of Namur and Université catholique de Louvain. Thesis title: "Testing panel data regression models with spatial error correlation, reproduction and further results".

## Publications

### Articles in international peer reviewed journals

- Debarsy N., JY Gnabo, M. Kerkour (2017), "Sovereign Wealth Funds' cross-border investments: assessing the role of country-level drivers and spatial competition", *Journal of International Money and Finance*, 76, 68–87.
- Debarsy N., F. Jin, L-f Lee (2015), "Large sample properties of the MESS with an application to FDI", *Journal of Econometrics*, 188,1-21.
- Debarsy N. (2012), "The Mundlak approach in the spatial Durbin panel data model", *Spatial Economic Analysis*, 7, 109-131.
- Debarsy N., C. Ertur, JP. LeSage (2012), "Interpreting dynamic space-time panel data models", *Statistical Methodology*, 9, 158-171.
- Verardi V., N. Debarsy (2012), "Robinson's square root of N consistent semiparametric regression estimator in Stata", *The Stata Journal*, 22, 726-735.
- Debarsy N., C. Ertur (2010), "Testing for spatial autocorrelation in a fixed effects panel data model", *Regional Science and Urban Economics*, 40, 453-470.

### Working papers

- Debarsy N., LeSage J. (2017), "Flexible dependence modeling using convex combinations of different types of connectivity structures", Submitted.
- Debarsy N., C. Dossougoin, C. Ertur, JY Gnabo (2016), "Measuring sovereign risk spillovers and assessing the role of transmission channels: A spatial econometrics approach", DR LEO 2016-18. Submitted.
- Debarsy N., C. Ertur (2016), "Interaction matrix selection in heteroskedastic spatial econometric models, DR LEO 2016-05, R&R.

### Works in progress

- Debarsy N., C. Ertur, M Ruiz (2015), Spatial runs test, mimeo.
- Debarsy N, X. Qu (2015), Endogenous interaction matrix in Matrix Exponential Spatial Specification, mimeo.

### Interdisciplinary work

- Debarsy N, S. Cordier, C. Ertur, F. Nemo, D. Nourrit, G. Poisson, Ch. Vrain (2017), "Understanding Interactions in Complex Systems: Toward a Science of Interaction", Cambridge Scholar Publishing. ISBN 978-1-4438-9496-8

## Other works

- Debarsy N., V. Verardi (2010), "Estimating nonlinearities in spatial autoregressive models", mimeo.
- Debarsy N., M. Dejardin (2008), "What do we know about spatial entry", *Jena Economic Research Paper*, 2008-029.
- Debarsy N., C. Ertur (2006), "The European Enlargement Process and Regional Convergence Revisited: Spatial Effects Still Matter", mimeo.

## Teaching Activities

- 2015 – 2016** Introduction to  $\LaTeX$ , PhD course, Université d'Orléans
- 2015** Spatial econometrics, Master 1, Université d'Orléans
- 2013 –** Spatial econometrics, Master 2, Université de Corte
- 2012 – 2015** Introductory Econometrics, Licence 3, Université d'Orléans
- 2012 –** Econometrics of panel data, Master 2, Université de Besançon

## Grants - awards

- 2015** The paper entitled “ The Mundlak Approach in the Spatial Durbin Panel Data Model” has been selected by the Editor of the international peer-reviewed journal *Spatial Economic Analysis* as part of the list of the most influential papers published in Spatial Economic Analysis since its creation, in 2005. The list is composed of 20 papers.
- 2013** Regional Studies Association Best Paper Award for the journal *Spatial Economic Analysis* for the paper “The Mundlak Approach in the Spatial Durbin Panel Data Model”
- 2011** Award of the Best Young Spatial Econometrician’s Paper, received from the Spatial Econometrics Association (SEA) for the paper: “The Mundlak approach in the spatial Durbin panel data model”
- 2010** Member of a round table devoted to the teaching of spatial econometrics during the 4th World Conference of the Spatial Econometrics Association (Chicago, USA)
- 2008** Major of the Summerschool organized by the Spatial Econometrics Association (Rome, Italy), (eur 1500).

## Scientific and Pedagogic Responsibilities

- 2016 – 2021** Elected member of the Section 37 of the "*Comité National de la Recherche Scientifique*"
- 2013 – 2017** Member of the direction committee of the “Maison Interdisciplinaire des Systèmes Complexes” (website)

**2014** – Co-supervisor with Sophie Béreau (Associate Professor at the Catholic University of Louvain - Belgium) of the PhD thesis of Cyrille Dossougoin. PhD title: “A spatial econometrics approach of financial complexity”. Expected year of the defense : 2018.

**2015** – Supervision (10%) of the PhD thesis of Marie Pierre Hory (LEO - UMR CNRS 7322).

## Financed research projects

**2014 – 2018** Appel à Projets Région Centre Val de Loire - Intérêt régional. Croissance, Optimisation, Economie, Urbanisation, Réseau (BINS-COEUR). Coordinator: Athanasios Batakis (MAPMO - UMR 7349 CNRS). Partner, 200.000 €.

**2014 – 2017** Appel à Projets Région Centre Val de Loire - Initiative académique. “Mondialisation, Economie Spatiale et Interactions” (MESI). Principal Coordinator, 142.000 €

**2014 – 2017** Maison des Sciences de l’Homme - Val de Loire. INTERACT. Coordinator, 6000 €.

**2014** Renewal of the project PEPS HuMaIn grant obtained in 2013 as coordinator entitled: “Validation et études des Interactions, Techniques Statistiques et Analyse des Modèles appliqués aux Image Naturelles et à l’Econométrie Spatiale”, 3000 €.

**2013** Coordinator of the project “Validation et études des Interactions, Techniques Statistiques et Analyse des Modèles appliqués aux Image Naturelles et à l’Econométrie Spatiale”, grant from project PEPS HuMaIn (CNRS), 4000 €.

**2007** Grant from the National bank of Belgium for the project: “Exploring Spatial Interactions: Pecuniary Externalities vs. Informational Spillovers”, joined with M. Dejardin, 5300 €.

## Conferences

### Organization

I mention here all conferences in which I was involved as part of the organizing committee.

**2017** 1<sup>st</sup> International Conference on Econometrics and Statistics, Hong-Kong, Organisation of a special session on Spatial Econometrics and Statistics with Sophie Dabo (University of Lille 3)(website)

**2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)

**2017** 1<sup>th</sup> International Conference on Econometrics and Statistics ,Hong-Kong. Organisation of a special session with Sophie Dabo on Spatial Econometrics and Statistics (website)

**2016** 15<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Orléans (website).

**2016** 5<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).

**2015** 7<sup>th</sup> French Econometrics Conference, Orléans (website)

**2015** 4<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).

- 2014** Joint UNamur-UCL Winter school and Workshop on Networks in Economics and Finance (website).
- 2013** International conference on Interactions in Complex Systems, Orléans.
- 2013** 12th International Workshop in Spatial Econometrics and Statistics.
- 2011** Recent advances in Spatial Econometrics, Theory and empirics, Namur, Belgium.
- 2010** 9th International Workshop Spatial Econometrics and Statistics, Orléans.

### **Scientific committees**

- 2017** 1<sup>th</sup> International Conference on Econometrics and Statistics ,Hong-Kong. Organisation of a special session with Sophie Dabo (University of Liile 3) on Spatial Econometrics and Statistics (website)
- 2017** 16<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2016** 15<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2015** INFER Workshop on Spatial Analysis in Energy, Environmental and Innovation Economics (website)
- 2015** 7<sup>th</sup> French Econometrics Conference, Orléans (website)
- 2015** 14<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2015** 4<sup>th</sup> PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).
- 2014** Joint UNamur-UCL Winter school and Workshop on Networks in Economics and Finance (website).
- 2014** 13<sup>th</sup> International Workshop in Spatial Econometrics and Statistics, University of Toulon.
- 2013** : International conference on Interactions in Complex Systems, Orléans.
- 2013** 12<sup>th</sup> International Workshop in Spatial Econometrics and Statistics, Orléans.

### **Participation**

I report here the conferences where I presented a paper.

- 2017** 61<sup>st</sup> World Statistics Congress, Marrakesh (Morocco). website)
- 2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)
- 2017** 1<sup>th</sup> International Conference on Econometrics and Statistics ,Hong-Kong. (website)
- 2017** 16<sup>th</sup> International Workskop on Spatial Econometrics and Statistics, Avignon.
- 2016** Asian Meeting of the Econometric Society, Kyoto (Japan)

- 2016** *X<sup>th</sup>* World Conference of the Spatial Econometrics Association, Rome (Italy)
- 2015** *26<sup>th</sup>* EC2 conference on theory and Practice of Spatial Econometrics (Edinburgh, Scotland).
- 2015** *7<sup>th</sup>* French Econometric Conference (Orléans, France).
- 2015** *8<sup>th</sup>* Jean Paelinck Seminar (Dijon, France).
- 2015** *14<sup>th</sup>* International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2014** North American Summer Meeting of the Econometric Society (Minneapolis – USA)
- 2014** Workshop on Real Estate Economics and Finance (Frankfurt – Germany)
- 2013** *6<sup>th</sup>* Seminar Jean Paelinck (Madrid, Spain).
- 2013** *12<sup>th</sup>* International workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2012** *11<sup>th</sup>* International workshop on Spatial Econometrics and Statistics (Avignon, France).
- 2011** *5<sup>th</sup>* World Conference of the Spatial Econometrics Association (Toulouse, France).
- 2010** *9<sup>th</sup>* International Workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2010** *4<sup>th</sup>* World Conference of the Spatial Econometrics Association (Chicago, USA).
- 2009** *56<sup>th</sup>* North American Regional Science Association International Conference (San Francisco, USA).
- 2009** *3<sup>th</sup>* World Conference of the Spatial Econometrics Association (Barcelona, Spain).
- 2009** *15<sup>th</sup>* Conference on Panel Data (Bonn, Germany).

## Seminars

- 2017** Seminar of the Economics Department of Antai College of Economics and Management, Shanghai Jiao Tong University, China.
- 2016** Seminar of the Economics Department of University of Modena (Italy)
- 2016** Seminar of the Economics Department of University of Innsbruck (Austria)
- 2015** *5<sup>th</sup>* Shanghai Econometrics Workshop (Shanghai, China)
- 2015** Seminar of the “Maison des Sciences de l’Homme”, Tours (France)
- 2015** Seminar of the “Maison Interdisciplinaire des Systèmes Complexes”, Orléans (France)
- 2014** Seminar of the Economics Department of University of Luxembourg (Luxembourg)
- 2014** Seminar of the Economics Department, Toulouse School of Economics (France)
- 2014** Seminar of the Economics Department, University of Caen (France)
- 2014** Seminar of the Economics Department, Université de Bourgogne (France)

- 2013** Seminar of the Economics Department, University of Murcia (Spain)
- 2013** Seminar of the “AMISC” (Analyse et Modélisation des Interactions dans les Systèmes Complexes) project, Orléans (France)
- 2011** Seminar of the Economics Department of University of Innsbruck (Austria)
- 2011** Econometrics/trade and Economic geography Seminar, CORE, Catholic University of Louvain (Belgium)
- 2011** Seminar of the Economics Department, University of York (UK)

## Refereeing activities

Applied Economics, Economic Letters, Empirical Economics, Geographical Analysis, International Economics, International Regional Science Review, International Review of Economics and Finance, Journal of Development Economics, International Journal of Forecasting, Papers in Regional Science, Regional Science and Urban Economics, Revue d’Economie Régionale et Urbaine, Spatial Economic Analysis.

## Visiting

- 2016** Research Stay at University of Namur, Belgium.
- 2015** Research Stay at University of Namur, Belgium.
- 2014** Research stay at University of Murcia, Spain
- 2014** Research stay at University of Namur, Belgium.
- 2014** Research Stay at European Business School, Frankfurt, Germany.
- 2014** Research stay at University of Franche-Comté, France.
- 2013** Research Stay at European Business School, Frankfurt, Germany.
- 2013** Research stay at University of Murcia, Spain.
- 2012** Research stay at Ohio State University (USA) to work with Professor Lung-fei Lee (6 months).