

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., J. LeSage, (2018), “ Flexible dependence modeling using convex combinations of different types of connectivity structures", *Regional Science and Urban Economics*, 69, 48–68.
- Debarsy N., C. Dossougoin, C. Ertur, JY Gnabo (2018), “Measuring sovereign risk spillovers and assessing the role of transmission channels: A spatial econometrics approach", *Journal of Economic Dynamics and Control*, 87, 21–45.
- 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., C. Ertur (2016), “Interaction matrix selection in heteroskedastic spatial econometric models, DR LEO 2016-05, R&R.

Works in progress

- Debarsy N., J. LeSage (2017), “Efficient estimation of spatial regression models based on convex combinations of different types of weight matrices ", mimeo
- 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 L^AT_EX, 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

2017 Regional Studies Association Best Referee Award for the journal *Spatial Economic Analysis*.

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 –2018** 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 - Intéret régional. Croissance, Optimisation, Economie, Urbanisation, Réseau (BINS-COEUR). Coordinator: Athanasios Batakis (MAPMO - UMR 7349 CNRS). Partner, 200.000 €.
- 2014 – 2018** Appel à Projets Région Centre Val de Loire - Initiative académique. “Mondialisation, Economie étrie Spatiale et Interactions” (MESI). Principal Coordinator, 142.000 €
- 2014 – 2018** 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** 1st International Conference on Econometrics and Statistics, Hong-Kong, Organization 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** 1th International Conference on Econometrics and Statistics ,Hong-Kong. Organisation of a special session with Sophie Dabo on Spatial Econometrics and Statistics (website)
- 2016** 15th International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5th PhD Student Conference in International Macroeconomics and Financial Econometrics, Université Paris Ouest Nanterre La Défense (website).

- 2015** 7th French Econometrics Conference, Orléans (website)
- 2015** 4th 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** 1th International Conference on Econometrics and Statistics, Hong-Kong. Organization of a special session with Sophie Dabo (University of Liile 3) on Spatial Econometrics and Statistics (website)
- 2017** 16th International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2016** 15th International Workshop on Spatial Econometrics and Statistics, Orléans (website).
- 2016** 5th 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** 7th French Econometrics Conference, Orléans (website)
- 2015** 14th International Workshop on Spatial Econometrics and Statistics, Université Panthéon-Assas.
- 2015** 4th 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** 13th International Workshop in Spatial Econometrics and Statistics, University of Toulon.
- 2013** : International conference on Interactions in Complex Systems, Orléans.
- 2013** 12th International Workshop in Spatial Econometrics and Statistics, Orléans.

Participation

I report here the conferences where I presented a paper.

- 2017** 10th International Conference of the ERCIM WG on Computational and Methodological Statistics, London, website
- 2017** 61st World Statistics Congress, Marrakesh (Morocco). website
- 2017** Lille Research Workshop on Statistics and Econometrics, Lille (website)
- 2017** 1th International Conference on Econometrics and Statistics ,Hong-Kong. (website)
- 2017** 16th International Workskop on Spatial Econometrics and Statistics, Avignon.
- 2016** Asian Meeting of the Econometric Society, Kyoto (Japan)
- 2016** Xth World Conference of the Spatial Econometrics Association, Rome (Italy)
- 2015** 26th EC2 conference on theory and Practice of Spatial Econometrics (Edinburgh, Scotland).
- 2015** 7th French Econometric Conference (Orléans, France).
- 2015** 8th Jean Paelinck Seminar (Dijon, France).
- 2015** 14th 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** 6th Seminar Jean Paelinck (Madrid, Spain).
- 2013** 12th International workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2012** 11th International workshop on Spatial Econometrics and Statistics (Avignon, France).
- 2011** 5th World Conference of the Spatial Econometrics Association (Toulouse, France).
- 2010** 9th International Workshop on Spatial Econometrics and Statistics (Orléans, France).
- 2010** 4th World Conference of the Spatial Econometrics Association (Chicago, USA).
- 2009** 56th North American Regional Science Association International Conference (San Francisco, USA).
- 2009** 3th World Conference of the Spatial Econometrics Association (Barcelona, Spain).
- 2009** 15th Conference on Panel Data (Bonn, Germany).

Seminars

- 2017** GREQAM Seminar (Aix-Marseille University)
- 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** 5th 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).