

Curriculum Vitae

Nicolas Debarsy

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Contact

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Current position

2017 – CNRS research associate, Lille Economie et Management, UMR CNRS 9221

Past positions

2012 – 2016 CNRS research associate (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

10. Debarsy N., J. LeSage (2020), “Bayesian model averaging for spatial autoregressive models based on convex combinations of different types of connectivity matrices ”, *Journal of Business & Economics Statistics*, Forthcoming.
9. Debarsy N., C. Ertur (2019), “ Interaction matrix selection in spatial autoregressive models with an application to growth theory”, *Regional Science and Urban Economics*, 75, 49–69.
8. 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.
7. 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.
6. 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.
5. 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.
4. Debarsy N. (2012), “The Mundlak approach in the spatial Durbin panel data model”, *Spatial Economic Analysis*, 7, 109-131.
3. Debarsy N., C. Ertur, JP. LeSage (2012), “Interpreting dynamic space-time panel data models”, *Statistical Methodology*, 9, 158-171.
2. Verardi V., N. Debarsy (2012), “Robinson’s square root of N consistent semiparametric regression estimator in Stata”, *The Stata Journal*, 22, 726-735.
1. Debarsy N., C. Ertur (2010), “Testing for spatial autocorrelation in a fixed effects panel data model”, *Regional Science and Urban Economics*, 40, 453-470.

Chapters in books

- Debarsy N., J. LeSage (2020), “Using Convex Combinations of Spatial Weights in Spatial Autoregressive Models”, Fischer M. and Nijkamp, P. (eds), *Handbook of Regional Science*, Forthcoming.

Working papers

4. Debarsy N., V. Verardi, C. Vermandele (2020), Efficient estimation of spatial econometrics models.
3. Béreau S., N. Debarsy, C. Dossougoin, J-Y. Gnabo (2020), Contagion in the Banking Industry: a Robust-to-Endogeneity Analysis
2. Debarsy N., C. Ertur, M Ruiz (2020), Spatial runs test, mimeo.
1. Debarsy N, X. Qu (2018), Endogenous interaction matrix in Matrix Exponential Spatial Specification,

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

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

Teaching Activities

- 2017**– Spatial Econometrics, Master 2, Université de Lille.
- 2015 – 2016** Introduction to \LaTeX , PhD course, Université d'Orléans
- 2015** Spatial econometrics, Master 1, Université d'Orléans
- 2013** – Spatial panel data econometrics, Master 2, Université de Corte
- 2012 – 2015** Introductory Econometrics, Licence 3, Université d'Orléans
- 2012 –2016** 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

- 2020** – Member of the board of directors of the institut Oncolille.
- 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)
- 2020** – Member of the PhD supervision committee of Aniss Louchez (Université de Lille).
- 2016** – Member of the PhD supervision committee of Yuheng Ling (Université de Corte Pasquale Paoli).
- 2014 – 2018** 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”. Defense : December 2018.
- 2015 –2018** Supervision (10%) of the PhD thesis of Marie Pierre Hory (LEO - UMR CNRS 7322).

Financed research projects

- 2020–2023** “Role des inégalités socioéconomiques et environnementales sur les cancers oesogastrique, Ligue contre le cancer”, Partner 90.000 €
- 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 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.

- 2021** 69th Annual conference of the French Association of Economics, Lille, June 8–10.
- 2020** 3rd Conference on Econometrics for Environment, Lille, December 4.
- 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)
- 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

- 2021** 69th Annual conference of the French Association of Economics, Lille, June 10-12.
- 2020** 19th International Workshop on Spatial Econometrics and Statistics, Université de Nantes.
- 2019** 18th International Workshop on Spatial Econometrics and Statistics, AgroSup Paris.
- 2018** 17th International Workshop on Spatial Econometrics and Statistics, Avignon (website).
- 2017** 1th International Conference on Econometrics and Statistics, Hong-Kong. Organization of a special session with Sophie Dabo (University of Lille 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.

- 2019** Invited Speaker of the workshop “Space and Growth: Theoretical and Empirical Models”, University of Pisa (Italy).
- 2019** 68th annual meeting of the French Association of Economics, Orléans (France)
- 2018** Keynote speaker for the 17th International Workshop on Spatial Econometrics and Statistics, Dijon.
- 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 Workshop 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

- 2019** Seminar of the Economics Department of Université de Paris Dauphine.
- 2019** Seminar of the Economics Department of Université Saint-Louis-Bruxelles (Belgium)
- 2018** Seminar of the Economics Department of Texas State University
- 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, Cliometrica, Economic Letters, Empirical Economics, Geographical Analysis, International Economics, International Journal of Finance & Economics, International Regional Science Review, International Review of Economics and Finance, Journal of Business & Economic Statistics, Journal of Development Economics, Journal of Econometrics, International Journal of Forecasting, Journal of Spatial Econometrics, Papers in Regional Science, Revue d'Economie Politique, Revue Française d'Economie, Regional Science and Urban Economics, Revue d'Economie Régionale et Urbaine, Spatial Economic Analysis, Statistica Sinica

Visiting

2018 Research Stay at Texas State University, USA.

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).