

Ngoc-Sang PHAM

Curriculum Vitae

Montpellier Business School
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Research interests

- Mathematical economics (optimal growth, dynamic general equilibrium with heterogeneous agents and incomplete/imperfect markets)
- Financial economics (money, asset pricing, bubbles)
- (International) Macroeconomics (DSGE models, FDI, globalization)

Academic positions

2016– **Assistant Professor of Economics (tenured)**, *Montpellier Business School*.

2015–2016 **Lecturer (ATER)**, *LEM, University of Lille 3*.

2014–2015 **Postdoctoral fellow**, *Labex MME-DII, EPEE, University of Evry*.

2011–2014 **Doctoral fellow**, *Centre d'Économie de la Sorbonne, University of Paris 1*.

Qualifications

2015 **MCF**, *Section 05 (Economics) and Section 26 (Applied Mathematics)*, Conseil National des Universités, France.

Education

2011–2014 **Ph.D. in Economics**, *University of Paris 1, Paris School of Economics*.

Dissertation: "Essays in General Equilibrium with Borrowing Constraints, Optimal Growth, and FDI". The dissertation is proposed by the Committee for an award of the "Chancellerie des Universités de Paris".

Committee: Jean-Marc Bonnisseau, Stefano Bosi, Gael Giraud, Cuong Le Van, Filipe Martins-Da-Rocha, Yiannis Vailakis.

2010–2011 **M.S. in Quantitative Finance**, *University of Paris 1, France*.

2008–2009 **M.S. in Mathematics**, *University of Strasbourg, France*.

2003–2008 **B.A. and Master 1 in Mathematics**, *HNUE and VAST, Viet Nam*.

Grant, awards, and fellowships

12/2014 Institut Europlace de Finance's research fund (10000 euros), with Stefano Bosi and Cuong Le Van

2014–2015 Postdoctoral Fellowship, Labex MME-DII, EPEE, University of Evry

2011–2014 Doctoral Fellowship (Allocation de Recherche), CES, University of Paris 1

2008–2009 Master Scholarship, Vietnamese Ministry of Education and Training

2003 Third Prize, Vietnamese Mathematical Olympiad

Peer-reviewed publications

Mathematical Economics, Economic Theory

1. "Intertemporal equilibrium with financial asset and physical capital" (with C. Le Van), **Economic Theory**, vol. 62, p. 155-199 (2016).
2. "Asset bubbles and efficiency in a generalized two-sector model" (with S. Bosi and C. Le Van), **Mathematical Social Sciences**, vol. 88, p. 37-48 (2017).
3. "Rational land and housing bubbles in infinite-horizon economies" (with S. Bosi and C. Le Van), K. Nishimura, A. Venditti and N. Yannelis, (Eds.), "*Sunspots and Non-Linear Dynamics – Essays in honor of Jean-Michel Grandmont*", Series "**Studies in Economic Theory**", Springer-Verlag (2017).
4. "Financial bubbles and capital accumulation in altruistic economies" (with S. Bosi, T. Ha-Huy, C. Le Van and C.-T. Pham), **Journal of Mathematical Economics**, vol. 75, p. 125-139 (2018).
5. "Intertemporal equilibrium with heterogeneous agents, endogenous dividends and borrowing constraints" (with S. Bosi and C. Le Van), **Journal of Mathematical Economics**, vol. 76, p. 1-20 (2018).
6. "Rational bubbles in altruistic economies: when Tirole meets Ramsey" (with S. Bosi, T. Ha-huy, C-T. Pham), **Economics Bulletin**, vol 39, issue 2 (2019).

Economic Growth, Macroeconomics

7. "The effects of oil price shocks in a new-Keynesian framework with capital accumulation" (with V. Acurio-Vasconez, G. Giraud and F. Mc Isaac), **Energy Policy**, vol. 86, p. 844-854 (2015).
8. "Taxation, bubbles and endogenous growth" (with S. Bosi), **Economics Letters**, vol. 143, p. 73-76 (2016).
9. "Should the host economy invest in a new industry?" (with T.T. Nguyen-Huu), **Revue Economique** vol. 69, p. 29-65 (2018).

Optimization

10. "Nonsmooth optimization over the (weakly or properly) Pareto set of a linear-quadratic multi-objective control problem: Explicit optimality conditions" (with H. Bonnel), **Journal of Industrial and Management Optimization**, vol. 7, No. 4, p. 789-809 (2011).

Other publications

11. "A General Equilibrium Model in Which Consumption Takes Time" (with C. Le Van, T.D.H. Nguyen, B. Tran-Nam), B. Tran-Nam, M. Tawada and M. Okawa (Eds.), **Recent Developments in Normative Trade Theory and Welfare Economics**, Springer-Verlag (2018).

Working papers

1. "Effects of foreign aid on the recipient country's economic growth" (with T. K. C. Pham). (revised and resubmitted, Journal of Mathematical Economics)
2. "Credit limits and heterogeneity in general equilibrium models with a finite number of agents".
3. "Capital accumulation and rational bubbles under ascendant altruism" (with S. Bosi, T. Ha-huy, C-T. Pham).
4. "Collateral monetary equilibrium with liquidity constraints in an infinite-horizon economy".
5. "Assets with possibly negative dividends".
6. "Dividend taxation, asset price, and economic growth".
7. "Demand and equilibrium with inferior and Giffen behaviors" (with C. Le Van).

Research in progress

1. "The dynamics of economic distributions".
2. "Strategic bankruptcy in general equilibrium" (with C. Saglam and C. Le Van).
3. "Equilibrium with non-convex preferences" (with C. Le Van).
4. "FDI spillovers in an endogenous growth model" (with T. T. Nguyen-Huu).

Teaching

2016-present

- Macroeconomics, Montpellier Business School
- Introduction to economics, Montpellier Business School

Spring 2016

- Economic policy in the long run, 24h, under-graduate, Uni. of Lille 3
- International macroeconomics, 24h, under-graduate, Uni. of Lille 3
- The economics of european integration, 24h, under-graduate, Uni. of Lille 3
- Macroeconomic Dynamics, 12h (T.A.), under-graduate, Uni. of Lille 3
- Macroeconomics: intergenerational transfers, 8h (T.A.), under-graduate, Uni. of Lille 3
- Industrial economics, 12h (T.A.), under-graduate, Uni. of Lille 3
- Microeconomics (risk and uncertainty), 2 × 15h (T.A.), under-graduate, Uni. of Lille 1

Fall 2015

- Microeconomics (consumer theory), 16h (T.A.), under-graduate, Uni. of Lille 3
- Microeconomics, 15h (T.A.), under-graduate, Uni. of Lille 1

Other teaching experiences

- 08/2016 Microeconomics, 21h, pre-master, VCREME
- 06/2015 Microeconomics and general equilibrium theory, 31h, pre-master, VCREME
- Fall 2013 Mathematics for economists, 6h, under-graduate, Café-Séminaire
- Fall 2007 Classical analysis, 48h, under-graduate, Hanoi University of Industry
- Spring 2007 Teacher in mathematics, Kien Xuong High School
- Spring 2006 Teacher in mathematics, Kien Xuong High School

Supervision

2017-2018 7 master theses

2016-2017 2 master theses

Pham Thi Hien, "Collateral requirements, capital flows, and welfare: a general equilibrium approach", Paris School of Economics, Master thesis 2017 (Co-Advisor).

Fiona Mengjie Lin, "The driving factors for developing sharing economy in Asian and European countries", Montpellier Business School, Master thesis 2017 (Advisor).

Academic visits

06/2017 BETA, University of Strasbourg (one week, invited by P. Nguyen-Van and T.K.C. Pham)

10/2015 Department of Economics, Bilkent University (one week, invited by Cagri Saglam)

Professional activities

Referee Economic Theory, Journal of Macroeconomics, Journal of Public Economic Theory, Energy Economics, Australian Economic Papers, Economics Bulletin

Membership Econometric Society, American Economic Association, Royal Economic Society, ISVE

Conference and workshop talks

- Scheduled 18e Journées Louis-André Gérard-Varet in Public Economics (Aix-en-Provence)
- 2018 17e Journées Louis-André Gérard-Varet in Public Economics (Aix-en-Provence), the XXVII European Workshop on General Equilibrium Theory EWGET 2018 (Paris), the 2018 Public Economic Theory conference PET 2018 (Hue), the 11th Vietnam Economist Annual Meeting (Hanoi), the 71st European Summer Meeting of the Econometric Society ESEM (Cologne)
- 2017 Workshop "Finance and growth" (Florence), PET 2017 (U. Paris 2), SAET 2017 (Faro), 66th Annual Meeting of the French Economic Association (Nice), Workshop "Economic Growth, Macroeconomic Dynamics and Agents' Heterogeneity" (St. Petersburg)
- 2016 SAET 2016 (IMPA, Rio de Janeiro), PET 2016 (FGV, Rio de Janeiro), VEAM 2016 (Da Nang), European Winter Meeting of the Econometric Society (Edinburgh)
- 2015 UECE Lisbon Meetings in Game Theory and Applications 2015 (Lisbon), Sustainability workshop (Strasbourg), Econometric Society World Congress (Montreal), Association of Public Economic Theory Conference - PET (Luxembourg), Vietnam Economist Annual Meeting - VEAM (Thai Nguyen), ADRES (Paris), Royal Economic Society Conference (Manchester)
- 2014 General Equilibrium Days (York), XXIII EWGET (Paris)
- 2013 XXII EWGET (Vienna), General Equilibrium Days (York), Financial Regulation and Systemic Risk (Paris), Vietnam Economist Annual Meeting (Hue), 13th SAET Society for the Advancement of Economic Theory (Paris)

Languages and computer skills

English	Fluent
French	Fluent
Vietnamese	Native
Matlab, Scilab, R, Python	
Latex, Office	

Others

Co-founder of Café-Séminaire