

CURRICULUM VITAE

Cuong LE VAN

Citizenship : French, Vietnamese

Born: 1946

Address

Centre d'Economie de la Sorbonne (CES), Maison des Sciences Economiques
106-112 boulevard de l'Hôpital, 75013 Paris, France

Phone : (33) (01) 44 07 82 91

Fax : (33) (01) 44 07 83 01

email : levan@univ-paris1.fr

Position : Directeur de Recherche emerite au CNRS, classe exceptionnelle - Research Director emeritus, exceptional class (Centre National de la Recherche Scientifique), Chaire emerite, Ecole d'Economie de Paris, Professor emeritus, Paris School of Economics, Affiliated professor at IPAG Business School, Director of Research VCREME, Invited Professor at Ton Duc Thang University, Research Fellow at RIEB (University of Kobe).

Degrees : Ingénieur Civil des Mines (1969) ; Docteur 3^è Cycle en Mathématiques (1978).

Teaching Experience :

- Convexity and Convex Programming (University of Paris 5)
- Optimal Growth Models in Economics (University of Paris 5, Ecole Nationale de la Statistique et de L'Administration Economique, University of Paris 1)
- Macroeconomic Modelling (University of Paris 2, Ecole Nationale de la Statistique et de L'Administration Economique)
- Optimal Growth Models in Economics (University of Cagliari, Italy)

Editorial Activity : Member of the Editorial Council of *Review of Development Economics*, Associate Editor of *Economics Bulletin*, *International Journal of Economic Theory*, *Journal of Public Economic Theory*.

Refereeing : *Journal of Economic Theory*, *Econometrica*, *International Economic Review*, *Journal of Mathematical Economics*, *Journal of Optimization Theory and Applications*, *RAIRO*, *Review of Development Economics*, *Journal of Public Economics Theory*, *Revue Economique*.

Research Visits : University of Tilburg (Spring 1994), University Carlos III Madrid (Spring 1996), CORE, University of Louvain, Louvain-La-Neuve (Spring 2000, April 2002, October 2003 - July 2004), University of Alabama (Spring 2000, Fall 2002), IRES, University of Louvain, Louvain-La-Neuve (April 2001, April 2002), Kobe University (February 2012), Bilkent University (February 2013)

Invited Professorship :

- Masters Program in Economics and Finance, Venice International University, January 2001, January 2002;
- CORE, Université Catholique de Louvain (October 2003-July 2004)

Awards: 2003 CORE Prize.

Conferences, Summer School organizer and Programme Committees Membership:

Organizer of Summer Schools in Economics at Hanoi National Economics University : Summers 1998, 1999, 2000, 2001, 2003.

Co-organizer of the conference : "L'économie vietnamienne en transition: les facteurs de la réussite", Paris, May 1996.

Co-organizer of the conference: "L'économie vietnamienne et la crise asiatique", Hochiminh City, December 1998.

Co-organizer of Public Economic Theory 2002 (PET02) Conference and co-chair of the Programme Committee of PET02 Conference, University Paris 1 Pantheon-Sorbonne, July 2002.

Member of the Program Committee of the Public Economic Theory 2003 Conference (PET 2003), Duke University, USA, July 2003.

Member of the Scientific Organization Committee of the Conference "Irregular Growth: Beyond Balanced Growth" , University Paris 1, June 2003.

Member of Scientific Organization Committee of the Conference "Arbitrage and Related Topics", University Paris 1, June 2003.

Member of the Organizing Committee of the Public Economic Theory 2004 Conference (PET 2004), Peking University, China, August 2004.

Member of the Organizing Committee of the Public Economic Theory 2006 Conference (PET 2006), Hanoi National Economics University, Vietnam, July 31st, August 2nd, 3rd, 2006.

Member of the Program Committee of the Public Economic Theory 2007 Conference (PET07), Vanderbilt University, USA, July 2007.

Keynote Speaker at the Public Economic Theory 2008 Conference, Seoul, June 2008

Member of the Program Committee of the Public Economic Theory 2008 Conference (PET08), Seoul, South Korea, June 2008.

Keynote Speaker at the First Milan Workshop on Dynamics, Optimal Growth and Population Change: Theory and Applications, 18–19 September, 2008

First International Conference of the Globalization and Development Research Network, May 14-15, 2009

Member of the Program Committee of the Public Economic Theory 2009 Conference (PET09), Galway, Ireland, June 2009

Member of the Program Committee of the Public Economic Theory 2010 Conference (PET10), Istanbul, Turkey, June 2010

Member of the Program Committee of the SAET Conference, Singapore, August 2010

Program Chair of the VII GETA (General Economic Theory in Asia) conference, Hanoi, Vietnam, August 2010.

Program Chair of the Third VEAM (Vietnamese Economists Annual Meeting), Cua Lo, Vietnam, August 2010

Member of the Program Committee of the Public Economic Theory 2012 Conference Taipei, Taiwan, June 2012

Member of the Program Committee of the Public Economic Theory 2013 Conference Lisbon, Portugal, June 2013

Program Chair of the Sixth VEAM (Vietnamese Economists Annual Meeting), Hue, Vietnam, June 2013

Asia Pacific Conference on Economic Dynamics, APCED, University of Economics and Law, HoChiMinh City (organizer), November 2013.

Workshop on Recursive Methods in Economics Dynamics, University of Glasgow, 5th- 6th June 2014.

List of publications :

Articles

Mathematical Economics.

1. Topological Degree of a Family of Convex Functions and Localization of Nash Equilibrium Points, *Journal of Optimization Theory and Applications*, 1980.
2. Topological Degree and Number of Nash Equilibrium Points of Bimatrix Games, *Journal of Optimization Theory and Applications*, 1982.
3. Topological Degree and the Sperner Lemma, *Journal of Optimization Theory and Applications*, 1982.
4. A Note on the Gale-Nikaido-Debreu Lemma and the Existence of General Equilibrium (with M. Florenzano), *Economics Letters*, 1986
5. Production Prices and Equilibrium Prices : A Long Run Property of a Leontief Economy with an Unlimited Supply of Labour (with R.A. Dana, M. Florenzano, D. Levy), *Journal of Mathematical Economics*, 1989.
6. Asymptotic Properties of a Leontief Economy (with R.A. Dana, M. Florenzano, D. Levy), *Journal of Economic Dynamics and Control*, 1989.
7. Equilibria of a Stationary Economy with Recursive Preferences (with R.A. Dana), *Journal of Optimization Theory and Applications*, 1991.
8. Lagging and Unlagging Theorems : A Quasi-Equivalence, *Computers, Mathematics with Applications*, 1992.
9. Convergence Of Equilibria in an Intertemporal General Equilibrium Model : A dynamical System Approach (with I. Hadji), *Journal of Economic Dynamics and Control*, 1994.
10. Subdifferentiability of the Value Function in Economic Problems (with J.M. Bonnisseau), *SEA, Bull. Math*, 9, N02, 1995.
11. Asset Equilibria in L_p Spaces with Complete Markets : a Duality Approach (with R.A. Dana), *Journal of Mathematical Economics*, 1995.
12. On the Subdifferential of the Value Function in Economic Optimization Problems (with J.M. Bonnisseau), *Journal of Mathematical Economics*, 1996.
13. Complete Characterization of Properness Conditions for Separable Concave Functions defined in L^p_+ and L^p , *Economic Theory*, 1996
14. General Equilibrium In Asset Markets with or without Short-Selling (with R.A. Dana, F. Magnien), *Journal of Mathematical Analysis and Applications*, 1997.
15. On the Different Notions of Arbitrage and Existence of Equilibrium (with R.A. Dana, F. Magnien), *Journal of Economic Theory*, 87, 169-193, 1999.
16. Arbitrage, Duality and Asset Equilibria (with R.A. Dana), *Journal of Mathematical Economics*, 34, 396-413, 2000.
17. Arbitrage and Equilibrium in Economies with Externalities (with F. Page and M. Wooders), *Journal of Global Optimization* , 20, 309-321, 2001.
18. Asset Market Equilibrium in L_p Spaces with Separable Utilities (with D.H. Truong Xuan), *Journal of Mathematical Economics*, 36, 241-254, 2001.
19. The Geometry of Arbitrage and the Existence of Competitive Equilibrium (with N. Allouch and F. Page), *Journal of Mathematical Economics*, 38, 373-391, 2002.

20. No-arbitrage condition and existence of equilibrium in asset markets with a continuum of agents (with F. Magnien), *International Journal of Economic Theory*, 1, 43-45, 2005.
21. Arbitrage and Equilibrium in Unbounded Exchange Economies with Satiation, (with N. Allouch, and F. Page) *Journal of Mathematical Economics*, 2007.
22. No-arbitrage Condition and Existence of Equilibrium with Dividends (with N.B. Minh), *Journal of Mathematical Economics*, , 43, 135-152, 2007
23. Walras and dividends equilibrium with possibly satiated consumers (with N. Allouch), *Journal of Mathematical Economics*, sept 2008
24. Risky Arbitrage, Asset Prices, and Externalities (with F.H. Page and . M. Wooders), *Economic Theory*, 2007.
25. Overlapping sets of priors and rhe existence of efficient allocations and equilibria for risk measures (with R.A. Dana), *Mathematical Finance*, 20, 3, 327-339, 2010
26. Overlapping risk adjusted sets of priors and the existence of efficient allocations and equilibria with short-selling” (with R.A. Dana), *Journal of Economic Theory*, 145, 6, 2186-2202, 2010
27. Efficient allocations and Equilibria with short-selling and Incomplete Preferences (with R.A. Dana), *Journal of Mathematical Economics*, forthcoming.

Optimal Growth in Economics

28. On the Structure of Pareto-Optima in an Infinite Horizon Economy where Agents have Recursive Preferences (with R.A. Dana), *Journal of Optimization Theory and Applications*, 1990.
29. On the Bellman Equation of the Overtaking Criterion (with R.A. Dana), *Journal of Optimization Theory and Applications*, 1990.
30. Optimal Growth and Pareto-Optimality (with R.A. Dana),), *Journal of Mathematical Economics*, 20, 1991.
31. On the Bellman Equation of the Overtaking Criterion : an Addendum (with R.A. Dana), *Journal of Optimization Theory and Applications*, 1991.
32. Differentiability of the Value Function of Nonclassical Optimal Growth Models (with K. Askri), *Journal of Optimization Theory and Applications*, 1998.
33. A Model of Optimal Growth Strategy (with Ph. Askenazy), *Journal of Economic Theory*, 85, 24-51, 1999.
34. Optimal Growth, Debt, Corruption and R&D (with Ch-H. Dimaria), *Macroeconomic Dynamics*, 6, 597-613, 2002.
35. The discrete time version of the Romer model (with L. Morhaim, Ch-H. Dimaria), *Economic Theory*, 20, 133-158, 2002.
36. Optimal growth models with bounded or unbounded returns : a unifying approach (with L. Morhaim), *Journal of Economic Theory*, 105, 158-187, 2002.
37. A simple proof of existence of equilibrium in a one sector growth model with bounded or unbounded returns from below (with J. Duran), *Macroeconomic Dynamics*, 7, 317-332, 2003.
38. Existence of a competitive equilibrium in one sector growth model with heterogenous agents and irreversible investment (with Y. Vailakis), *Economic Theory*, 22, 743-771, 2003.
39. Quality of Knowledge Technology, Returns to Production Technology and Economic Development (with C. Saglam), *Macroeconomic Dynamics*, 8, 147-161, 2004.
40. Optimal Growth Models and the Lagrange Multiplier (with H.C. Saglam), *Journal of Mathematical Economics*, 40, 393-410, 2004.
41. Equilibrium and Competitive Equilibrium in a discrete Time Lucas Model (with P. Gourdel, L. Hoang-Ngoc, T. Mazamba), *Journal of Difference Equations and Applications*, Vol.10, N° 5, 501-514, 2004.

42. Health Cares and Economic Growth (with P. Gourdel, L. Hoang-Ngoc, T. Mazamba), *Annales d'Economie et de Statistiques*, 75/76, 2004.
43. Recursive Utility and Optimal Growth with Bounded or Unbounded Returns (with Y. Vailakis), *Journal of Economic Theory*, vol. 123, 185-209, 2005.
44. On the existence of a competitive equilibrium in the Lucas (1988) model (with H. D'Albis), *Journal of Mathematical Economics*, vol.42, 46-55, 2006.
45. Optimal Growth without Discounting (with R-A Dana), in *Handbook on Optimal Growth, Volume 1: Discrete Time*, R-A. Dana, C. Le Van, T. Mitra, K. Nishimura eds, Springer, 2006.
46. Optimal Growth Models with Discounted Returns, in *Handbook on Optimal Growth, Volume 1: Discrete Time*, R-A. Dana, C. Le Van, T. Mitra, K. Nishimura eds, Springer, 2006.
47. On Optimal Growth Models when the Discount Factor is near 1 or equal to 1 (with L. Morhaim), *International Journal of Economic Theory*, 2006.
48. Optimal Control in Infinite Horizon Problems: a Sobolev Spaces Approach (with R. Boucekkine and C. Saglam), *Economic Theory*, vol.32, 497-509, 2007.
49. Parametric Continuity of stationary distributions (avec J. Stachurski), *Economic Theory*, vol. 33, 333-348, 2007.
50. Equilibrium dynamics in an aggregative model of capital accumulation with heterogeneous agents and elastic labor, (with M.H. Nguyen and Y. Vailakis) *Journal of Mathematical Economics*, 2007.
51. Existence of Solutions in Continuous-time Optimal Growth Models (with H. d'Albis and P. Gourdel), *Economic Theory*, 37, 2, nov 2008
52. Non-convex Aggregate Technology and Optimal Economic Growth (with N.M.Hung and Ph. Michel), *Economic Theory*, 40, 3, Sept 2009
53. When does a developing country use new technologies? (with O. Bruno et B. Masquin), *Economic Theory*, 40, 2, Aug 2009
54. New Technology, Human Capital, and Growth in a Developing Country (with T-A. Nguyen, M-H Nguyen, T-B Luong), *Mathematical Population Studies*, 17, 4, 215-241, 2010
55. With Exhaustible Resources Can a Developing Country Escape From The Poverty Trap? (with K. Schubert and T-A. Nguyen), *Journal of Economic Theory*, 145, 6, 2435-2447, 2010
56. Optimal timing of regime switching in optimal growth models: A Sobolev space approach (with E. Dogan and C. Saglam), *Mathematical Social Sciences*, 61, 2, 97-103, 2011
57. Existence, Optimality and Dynamics of Equilibria with Endogenous Time Preference (with S. Erol and C. Saglam), *Journal of Mathematical Economics*, 47, 2, 170-179
58. Existence of competitive equilibrium in an optimal growth model with heterogeneous agents and endogenous leisure (with A. Goenka and M.H Nguyen) , *Macroeconomic Dynamics*, 16 (S1), 33-51, 2012
59. A Never-decisive and Anonymous Criterion for Optimal Growth Models (with A. Ayong Le Kama, T. Ha-Huy and K. Schubert), *Economic Theory*, 55, 2, 2014.
60. On existence and bubbles of Ramsey equilibrium with borrowing constraints (with R. Becker, S. Bosi and Th. Seegmuller), *Economic Theory*, forthcoming

Macroeconomic Modelling :

- 61 Le Modèle MOGLI (with R. Courbis, A. Fonteneau, P. Voisin), *Prévision et Analyse Economique*, 1980.

62. Les Multiplicateurs du Modèle MOGLI (with A. Fonteneau), *Prévision et Analyse Economique*, 1982.
63. Calcul d'un Prix Fictif de l'Energie Pétrolière (with A. Porcher, H. Triebel), *Prévision et Analyse Economique*, 1982.
64. Etude de la Stabilité du Sentier d'Equilibre d'une Maquette d'Economie Ouverte, *Annales de l'INSEE*, 1983.
65. Specification of the Import Function and the Determination of Short and Long Term Equilibria in a Macroeconometric Model, in *Advanced Studies in Theoretical and Applied Econometrics*, J.P. Ancot(Ed), Martinus Nijhoff Publishers, 1983.
66. The Uncertainty Frontier as a Global Approach to the Efficient Stabilisation of Economic Systems : An Experimentation avec the Micro-DMS Model (with M. Deleau, P. Malgrange), in *Applied Decision Analysis and Economic Behaviour*, Hughes Hallet (Ed.), Martinus Nijhoff Publishers, 1984.
67. Stabilisation Efficace des Systèmes Dynamiques en Présence d'Incertitude : Expérimentation avec une Maquette du Modèle DMS (with M. Deleau, P. Malgrange), *Revue Economique*, 1984.
68. Stationary Uncertainty Frontiers in Macroeconomic Models : An Approach for Solving Matrix Riccati Equations, *Journal of Economic Dynamics and Control*, 1986.
69. Stationary Uncertainty Frontiers in Macroeconomic Models and Existence and Uniqueness of Solutions to Matrix Riccati Equations, *Journal of Economic Dynamics and Control*, 1987.
70. The Long Run of Macroeconometric Models (with M. Deleau, P. Malgrange), *Essays in Honor of Edmond Malinvaud*, the MIT Press, 1990.
71. Checking for Saddlepoint Stability (with R. Boucekkine), *Computational Economics*, 1996.
72. Asymptotic Hierarchies in a Macroeconomic Model (with P. Malgrange), in MacAdam & A. Hughues-Hallet Eds, *Applied Decision Analysis and Economic Behaviour*, Kluwer, 1999.
73. The Determination of the Equilibrium Exchange Rate in a Simple General Equilibrium Model (with C.Couharde and Th.B. Luong), *Review of Development Economics* 10(3), 506-517, 2006.

Vietnamese Economy

74. Un Essai sur l'Economie Vietnamienne depuis 1975, *Revue d'Etudes Comparatives Est-Ouest*, 1988.
75. Une Maquette de l'Economie Vietnamienne de 1980 à 1988 (with Ph. Ducos, Ph. Khuong-Huu, J.P. Lardy), *Revue Economique* 1991.
76. L'économie vietnamienne de 1974 à 1994 (avec H.H. Tran et Th.A.D. Tran), in Le Van et Mazier (eds), *L'Economie Vietnamienne en Transition : les Facteurs de la Réussite* (avec J. Mazier), *L'Harmattan*, Paris, 1998.
77. Transition et Ouverture sur l'Extérieur (with J.Mazier, Th. A.D. Tran, A. Zantman), in *Développement et Transition vers l'Economie de Marché*, Actualité Scientifique, AUPELF-UREF, 1999.
78. Impacts of the Asian Crisis on the Vietnamese Economy : Simulations from an Aggregative Core Model (with K. Kh. Nguyen, Th.T. Tran), *The Osaka City University Economic Review*, Vol.35, N°1, October 1999.
79. Modelling Transition and International Opening in Asia : the Case of Vietnam with a Comparison with China and the Asian Tigers (with A. Sandzantman, J.L. Brillet, J. Mazier), *Comparative Economic Studies*, 2000.

Livres

1. L'Economie Vietnamiennne en Transition : les Facteurs de la Réussite (with J. Mazier), *L'Harmattan*, Paris, 1998.
2. La Crise Asiatique et l'Economie Vietnamiennne (with J. Mazier), *L'Harmattan*, Paris, 1999.
3. Finite Dimensional Convexity and Optimization (with M. Florenzano, P. Gourdel), *Springer-Verlag*, Berlin-Heidelberg-NewYork-London-Paris-Tokyo-Hong Kong-Barcelona -Budapest, March 2001.
4. Dynamic Programming in Economics (with R.A. Dana), *Kluwer AcademicPublishers*,2003.
5. Handbook on Optimal Growth (Vol.1) (with R.A. Dana, T. Mitra and K. Nishimura), *Springer*, 2006.

Journal Guest Editor

1. Co-Editor with B. Cornet, H. Kempf, M. Wooders of a special issue of *Annales d'Economie et Statistique*, N° 75/76, 2004.
2. Co-Editor with T. Mitra, K. Nishimura, A. Venditti of a special issue of *Journal of Mathematical Economics*, 2006.

Administration

2000- 2004: Member of the French Research Committee

2000 – October 2004: Vice-director of *CERMSEM*, Paris.

October 2004 – December 2005: Head of *Groupe de Recherche en Droit, Economie et Gestion* (GREDEG), Nice-Sophia-Antipolis

January 2006 – December 2009 : Head of *Centre d'Economie de la Sorbonne* (CES), Paris.

April 2008 –December 2009 : member of the *Scientific Council* of *Ecole Normale Supérieure de Cachan*

September 2008- September 2011: Scientific Deputy Head of the *French Institute for Humanities and Social Sciences of CNRS*