

Curriculum Vitae

January 17, 2012

Name: Tapio Kalervo Palokangas (Mr., D.Phil, Prof.)
Date of Birth: September 12, 1951
Nationality: Finnish citizen

Office Address: Discipline of Economics, Economicum Building, P.O. Box 17
(Arkadiankatu 7), Fin-00014 University of Helsinki, Finland
Office Phone: +358 9 191 28735
Fax: +358 9 191 28736
Email: Tapio.Palokangas@helsinki.fi
Home Page: <http://blogs.helsinki.fi/palokang/>

Family: Wife Leena Palokangas, two daughters (Silja 1992, Tarja 1996)

Proficiency of languages: Finnish (native), English (fluent), Swedish, German, Russian.

1. Education and academic qualifications

1976 Master of Economic Sciences, University of Tampere (majored in Economics, Mathematics and Statistics)

1979 Licentiate of Economic Sciences, University of Tampere (major subject Economics; minor subject Statistics)

1979-83 Graduate student in Nuffield College, Oxford (resident 1979-81, non-resident 1981-83) Supervisors: Christopher Bliss (university) and James Mirrlees (college).

1985 Doctor of Philosophy, University of Oxford (U.K.). Examiners: David Bevan (St John's College, Oxford), Alasdair Smith (University of Sussex).

1989- Docent of Economics, University of Jyväskylä, Finland

1989 Scientific competence for a chair of Professor in Economics, University of Vaasa.

1993 Scientific competence for a chair of Professor in Public Economics, University of Tampere.

1996 Scientific competence for a chair of Professor in International Economics, Helsinki School of Economics and Business Administration.

1997-	Life member of Clare Hall College, Cambridge (U.K.).
2002-	Fellow of IZA, Bonn, Germany
2005-	Member of DEGIT Academic Council, Kiel, Germany
2007-	Member of IIASA Society
2009-	Member of Technical Committee, International Federation of Automation and Control.

2. Present Position

Professor of International Economics, Department of Economics, University of Helsinki, Finland, 1993- (associate 1993-98)

3. Previous Positions

1983-88	Acting Associate Professor, University of Jyväskylä
1988-89	Acting Professor, University of Jyväskylä
1990-93	Acting Professor, University of Tampere

4. Working Abroad

1996-7	Visiting Fellow in Clare Hall College, Cambridge (U.K.), during the Sabbatical year from the University of Helsinki.
2000	Academic Visitor in the Department of Economics, University of Essex (U.K.), as a part of the Socrates Exchange of University Lectures (one week, March-April).
2002	Academic Visitor in CES, Munich, Germany (six weeks in March and July-August).
2004	Academic Visitor in the Department of Economics, University of Rostock, Germany, as a part of the Socrates Exchange of University Lectures (one week, June).
2006	Academic Visitor in the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1.7.-31.7.2006.
2007	Academic Visitor in the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1.7.-31.7.2007.

- 2008 Academic Visitor in the Institute for Economic Studies, Charles University, Prague, Czech Republic, as a part of the Socrates Exchange of University Lectures (one week, March-April).
- 2008 Academic Visitor in the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1.7.-31.7.2008.
- 2009 Academic Visitor in the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1.7.-31.7.2009.
- 2010 Academic Visitor in the Department of Economics, University of Bologna, as a part of the Socrates Exchange of University Lectures (two weeks, March).
- 2010 Academic Visitor in the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1.7.-31.7.2010.
- 2011 Academic Visitor in the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1.7.-31.7.2011.

5. Administrative experience

- 1990-1992 Member of the Governing Board of the Faculty of Social Sciences, University of Tampere
- 1996 Member of the Governing Board of the Faculty of Social Sciences, University of Helsinki
- 1992 (3 months) Head of the Department of Economics, University of Tampere
- 1998-2000 Head of the Department of Economics, University of Helsinki
- 2004-2006 Member of the Governing Board of the Faculty of Social Sciences, University of Helsinki
- 2007-2009 Member of the Supervisory Board of the Finnish Doctoral Programme in Economics (FDPE)
- 2007-2010 Member of the Board of the Helsinki Center of Economic Research (HECER)
- 2008-2010 Head of the Department of Economics, University of Helsinki
- 2010- Vice-Dean of the Faculty of Social Sciences, University of Helsinki

6. Research (see *Papers and publications* in my home page)

D.Phil. Thesis accepted in the University of Oxford (U.K.), 1985. Later published in series A:8 (1985), Department of Economics, University of Tampere.

Twenty six (26) articles published or accepted for publication in the following international journals with a refereeing process: Applied Mathematics and Computation, AUCO Czech Economic Review, German Economic Review, Economica, Economics Letters, European Journal of Political Economy, Journal of Economics and Governance, Journal of Population Economics, Finnish Economic

Papers, Journal of Economic Dynamics and Control, Journal of Economics (Springer), Journal of Institutional and Theoretical Economics, Journal of Population Economics, Labour, Labour Economics, Oxford Economic Papers, Review of International Economics, Scandinavian Journal of Economics.

The only author of the book *Labour Unions, Public Policy and Economic Growth*, 238 pages (Cambridge University Press 2000).

The first editor of the special issue *Growth, Trade, and Economic Institutions*, 194 pages (Springer Verlag 2005). Supplement 10 to Journal of Economics (Zeitschrift für Nationalökonomie). Other editors: B.S. Jensen, D. Bös, G. Corneo, R. Hjerpe and J. Honkatukia.

Editor of the book *Stochastic Economic Dynamics* (Copenhagen Business School Press 2007). Other editors: B.S. Jensen.

Editor of the Special Issue of Applied Mathematics and Computation 204 (2008): “New Approaches in Dynamic Optimization to Assessment of Economic and Environmental Systems: Introduction.” Other editors: H. Maurer and A. Tarasyev.

Editor of the book *Dynamic Systems, Economic Growth, and the Environment* (Springer Verlag 2009, forthcoming). Other editors: Jesus Crespo Cuaresma and Alexander Tarasyev.

Five (5) articles in monographs published by CBS Press (2007), CIMNE (2008) and Springer Verlag (2009).

7. Presentations in Recent International Conferences (since 1999)

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| 1999 | European Meeting of Econometric Society (ESEM), Annual Conference, Santiago de Compostela, Spain. |
| 1999 | European Economic Association (EEA), Annual Conference, Santiago de Compostela, Spain. |
| 2000 | Nordic Trade Seminar (NOITS), Annual Conference, Helsinki. |
| 2000 | European Economic Association (EEA), Annual Conference, Bolzen-Bolzano, Italy |
| 2001 | Nordic Trade Seminar (NOITS), Annual Conference, Copenhagen, Denmark |
| 2001 | Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Vienna, Austria |
| 2001 | European Meeting of Econometric Society (ESEM), Annual Conference (ESEM), Lausanne, Switzerland |
| 2002 | Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Cologne, Germany |
| 2002 | International Institute of Public Finance (IIPF), Annual Conference, Helsinki; Finland. |
| 2002 | Conference on Stochastic Economic Dynamics (SED), Elsinor, Denmark. |

- 2002 Annual Conference of Italian Labour Economists (AIEL), Salerno, Italy.
- 2002 European Association for Labour Economists (EALE), Annual Conference, Paris, France.
- 2003 Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, Vienna, Austria
- 2003 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Helsinki, Finland
- 2004 Globalization - Implications for Labour Market and Welfare Policies, Ebeltoft, Aarhus, Denmark
- 2004 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Reykjavik, Iceland
- 2004 European Association for Labour Economists (EALE), Annual Conference, Lisbon, Portugal
- 2005 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Mexico City, Mexico
- 2005 The 4th Europaeum Economic Workshop, Bologna, Italy
- 2006 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Jerusalem, Israel
- 2006 IIASA/IFAC Workshop, Laxenburg, Austria
- 2007 IIASA/Tokyotech Workshop, Laxenburg, Austria
- 2008 Symposium on Stochastic Dynamic Models in Finance and Economics, University of Southern Denmark, Odense
- 2008 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Manila, Philippines
- 2009 HECER Political Economy Conference
- 2009 IFAC/CAO'09 Annual Conference
- 2009 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Los Angeles, USA
- 2009 CO2 Symposium, Sonderborg, Denmark
- 2009 BIOECON 2009 Conference, Venetsia, Italy
- 2009 IIASA/Tokyotech Workshop, Laxenburg, Austria
- 2010 The 11th Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, Amsterdam, Netherlands
- 2010 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, Frankfurt am Main, Germany
- 2011 IFAC World Congress, Milan, Italy
- 2011 Dynamics, Economic Growth and International Trade (DEGIT), Annual Conference, St Petersburg, Russia
- 2011 IIASA Symposium on "Green growth and sustainable development", Laxenburg, Austria

8. Academic Duties

European Economic Review, Associate editor 1.12.2002 –

Economics-ejournal, Associate editor 1.3.2007 –

As a referee numerous times at least for the following journals:

- AUCO Czech Economic Review
- Finnish Economic Papers
- European Economic Review
- European Journal of Political Economy
- German Economic Review
- Journal of Economic Behaviour and Organization
- Journal of Economic Dynamics and Control
- Journal of Evolutionary Economics
- Journal of Economic Growth
- Journal of Economics – Zeitschrift für Nationalökonomie
- Journal of Institutional and Theoretical Economics
- Metroeconomica
- Review of Development Economics
- Review of International Economics
- Scandinavian Journal of Economics
- Scottish Journal of Political Economy

Assessor for the scientific competence of the applicants:

- for a Chair of Professor in International Economics, The Turku School of Economics and Business Administration 2000.
- for a Chair of Professor in International Economics. University of Vaasa 2003.
- for the scientific competence for a position of a Docent, Jouko Vilmunen, University of Helsinki 2002 (Economics)
- for the scientific competence for a position of a Docent, Jouko Vilmunen, University of Tampere 2002 (International Economics)

Supervision of PhD theses:

- Juha Tervala 2008, University of Helsinki
- Anichul Khan 2008, University of Helsinki
- Tuomas Malinen 2012, University of Helsinki

Examiner of Ph.D theses:

- Raija Volk, 1992, University of Jyväskylä (with significant revisions)
- Markku Kotilainen, 1995, University of Helsinki (with significant revisions)
- Juha Honkatukia, 1997, Helsinki School of Economics and Business Administration (with significant revisions)
- Panu Poutvaara, 2001, University of Helsinki
- Tuomas Komulainen, 2004, Turku School of Economics and Business Administration (with significant revisions)
- Hannu Koskinen, 2007, University of Jyväskylä (with significant revisions)

Opponent in the Ph.D. examination:

- Pasi Holm, University of Helsinki 1994
- Jian-Guan Shen, University of Helsinki 2001
- Pekka Lauri, Helsinki School of Economics and Business Administration 2004.

Organizer of the workshop in International Economics (together with Pertti Haaparanta), the Finnish Postgraduate Programme in Economics, 1994-5.

Organizer of the international conference on Stochastic Economic Dynamics (SED), Elsinor (Denmark), August 16-17, 2002.

Organizer of the international conference on “Dynamics, Economic Growth and International Trade” (DEGIT), Helsinki, May 30-31, 2003.

Organizer of the Europaeum Economics Workshop, Helsinki, October 27-28, 2006.

Organizer of the ECG Symposium, November 7-8, 2008, IIASA, Laxenburg, Austria.

Organizer of the Political Economy Conference, March 13-14, 2009, HECER, Helsinki, Finland.

Member of the Program Committee for the Course on “Economic Growth: Mathematical Dimensions”, July 5-26, 2009, Lomonosov Moscow State University, Moscow, Russia.

Member of the Program Committee for the Course on “Economic Growth: Mathematical Dimensions”, January 30 – February 6, 2011, Lomonosov Moscow State University, Moscow, Russia.

Organizer of the international conference on “Dynamics, Economic Growth and International Trade” (DEGIT), St Petersburg, September 8-9, 2011.

Organizer of the IIASA Symposium on “Green growth and sustainable development”, December 9-10, 2011, Laxenburg, Austria.

Memberships of scientific associations

European Economic Association (EEA)	1995-
American Economic Association (AEA)	1996-
Royal Economic Society	1996-
International Institute of Public Finance	1998-2003
German Economic Association	1999-

10. Teaching experience

<i>Course</i>	<i>Hours</i>	<i>Time & University</i>
Globalization and Growth	24	Helsinki (in English) 2006, 2008, 2010, 2012; Bologna 2010
Intermediate Microeconomics	50	Jyväskylä 1983; Tampere 1991, 1992
Intermediate Macroeconomics	44-50	1984, 1985, 1986, 1987, 1988; Tampere 1991, 1992; Helsinki 2000, 2001, 2002, 2003, 2004, 2005

Advanced Microeconomics	50	Jyväskylä 1983, 1984, 1985, 1986, 1987, 1988
Advanced Macroeconomics	40-50	Jyväskylä 1988, 1989, 1990, 1991, 1992, 1993; Tampere 1989, 1990; Helsinki 1993, 1994, 1995, 1996, 1998; Helsinki (in English) 2007, 2009, 2011
Growth and Cycles	24	Helsinki 2012
International Economics	24	Tampere 1993; Helsinki 1993, 1994, 1995
International Monetary Economics (advanced)	24	Helsinki 1994, 1995, 1996, 1998, 1999, 2000
Mathematics for Economists	24-32	Jyväskylä 1983; Helsinki 1994, 1995, 2006, 2007
Portfolio Theory and Monetary Economics	24	Jyväskylä 1985, 1986, 1987; Tampere 1990, 1991; Joensuu 1991
Methodology of Economics	8	Jyväskylä 1984, 1985, 1986, 1987

10. Tuition material

Lectures on Dynamic Mathematical Methods in Economics (in Finnish), Opetusmonisteita, No. 2 (1999), University of Helsinki, Department of Economics, 87 pages.

Advanced Macroeconomics. 40 hours (in English):
<http://blogs.helsinki.fi/palokang/2010/05/03/post41/>

Globalization and Growth. 24 hours (in English):
<http://blogs.helsinki.fi/palokang/2005/08/02/post33/>

Lectures on Mathematical Methods in Economics. 40 hours (in Finnish).
<http://www.valt.helsinki.fi/blogs/palokangas/post40.htm>

PAPERS AND PUBLICATIONS

Tapio Palokangas, May 8, 2012

Authorship of books for international publishers with a refereeing process:

1. *Labour Unions, Public Policy and Economic Growth*. Cambridge: Cambridge University Press 2000. 238 pages.

Articles in international journals with a refereeing process (Economics):

2. Global Stability and the Choice of Policy Targets under Rational Expectations. *Economics Letters* **22** (1986): 329-332.
3. Optimal Taxation and Employment Policy with a Centralized Wage Setting. *Oxford Economic Papers* **39** (1987): 799-812.
4. Union Power in the Long Run Reconsidered. *The Scandinavian Journal of Economics* **91** (1989): 625-635.
5. Investment, Profit Sharing and the Degree of Centralization. *Economics Letters* **35** (1991): 99-103.
6. Tax Incidence, Partial Policy Improvements and Centralized Wage-Setting. *The Scandinavian Journal of Economics* **93** (1991): 389-446.
7. Discrete Exchange Rate Changes with Real Wage Resistance. *Finnish Economic Papers* **5** (1992): 38-46.
8. Optimal Trade Policy in a Distorted Economy. *European Journal of Political Economy* **8** (1992): 201-212.
9. Binding Contracts, Profit-sharing and the Degree of Centralization. *Journal of Institutional and Theoretical Economics* **148** (1992): 260-273.
10. Temporary Cuts in Government Spending as an Anti-Inflationary Device. *Economics Letters* **43** (1993): 199-203.

11. Taxation, Cost-benefit Analysis, and Monopoly in an Open Economy. *European Journal of Political Economy* **10** (1994): 529-543.
12. Endogenous Growth and Collective Bargaining. *Journal of Economic Dynamics and Control* **20** (1996): 925-944.
13. Inflation and Growth in an Open Economy. *Economica* **64** (1997): 509-518.
14. The Centralization of Wage Bargaining, Investment, and Technological Change. *Journal of Institutional and Theoretical Economics* **153** (1997): 657-673.
15. Inflationary Financing of Government Expenditure in an Endogenous Growth Model. *German Economic Review* **4** (2003): 121-137.
16. The Political Economy of Collective Bargaining. *Labour Economics* **10** (2003): 253-264.
17. Union-Firm Bargaining, Productivity Improvement and Endogenous Growth. *Labour: Review of Labour Economics and Industrial Relations*. Volume **18** (2004): 191-205.
18. International Labor Market Policy and Growth with Creative Destruction. *Review of International Economics* **13** (2005): 90-105.
19. Common Markets, Economic Integration, and Creative Destruction. *Journal of Economics* **10** (2005) Supplement 1: 57-76.
20. (co-authored with U. Lehmijoki) Political Instability, Gender Discrimination, and Population Growth in Developing Countries. *Journal of Population Economics* **19** (2006): 431-446.
21. Self-Interested Governments, Labor Unions, and Immigration Policy. *AUCO Czech Economic Review* **2** (2008): 7-20.
22. Competition and Product Cycles with Non-Diversifiable Risk. *Journal of Economics* **94** (2008): 1-30.
23. (co-authored with U. Lehmijoki) Population Growth Overshooting and Trade in Developing Countries. *Journal of Population Economics* **22** (2009): 43-56.

24. Investment, Expropriation, and Unionization. *Economics of Governance* **10** (2009): 27-42.
25. (co-authored with U. Lehmijoki) Trade, Population Growth, and the Environment in Developing Countries. *Journal of Population Economics* **23** (2010): 1351-1370.
26. Optimal Patent Length and Breadth in an Economy with Creative Destruction and Non-Diversifiable Risk. *Journal of Economics* **102** (2011): 1-27.

**Articles in international journals with a refereeing process
(Applied mathematics):**

27. Emission Policy in an Economic Union with Poisson Technological Change. *Applied Mathematics and Computation* **204** (2008): 589-594.
28. (co-authored with S. Aseev, K. Besov and S.-E. Ollus) Optimal growth in a two-sector economy facing an expected random shock. *Trudy Inst. Mat. i Mekh. UrO RAN* **17** (2011): 271-299.

Articles in monographs for international publishers with a refereeing process:

29. Comment on Steinar Holden's paper. Pages 59-60 in:
Collective Bargaining and Wage Formation Performance and Challenges. Edited by Hannu Piekola and Kenneth Snellman. Physica-Verlag HD.
30. Employment Cycles in a Growth Model of Creative Destruction. Pages 423-438 in:
Stochastic Economic Dynamics. Edited by B.S. Jensen and T. Palokangas. Copenhagen: CBS Press 2007.
31. International Emission Policy with Lobbying and Technological Change. Pages 161-182 in:
Dynamic Systems, Economic Growth, and the Environment. Edited by J. Crespo Cuaresma, T. Palokangas and A. Tarasyev. Heidelberg: Springer Verlag 2009.

32. (co-authored with Sergei Aseev, Konstantin Besov and Simon-Erik Ollus) Optimal Economic Growth with a Random Environmental Shock. Pages 109-138 in:
Dynamic Systems, Economic Growth, and the Environment.
Edited by J. Crespo Cuaresma, T. Palokangas and A. Tarasyev.
Heidelberg: Springer Verlag 2009.

Articles in conference volumes:

33. International Emission Policy with Poisson Technological Change. Pages 430-438 in:
Evolutionary and Deterministic Methods for Design, Optimization and Control. Edited by P. Neittaanmäki, J. Periaux and T. Tuovinen. Barcelona: International Center of Numerical Methods in Engineering (CIMNE) 2008.
34. Economic Growth with Political Lobbying and Wage Bargaining. In:
IFAC Papers on Control Applications of Optimization **7** (2010),
<http://www.ifac-papersonline.net/Detailed/41882.html>

Editorships of books and special issues:

35. *Growth, Trade, and Economic Institutions* (Supplement 10 to Journal of Economics). Edited by T. Palokangas, B.S. Jensen, D. Bös, G. Corneo, R. Hjerppe and J. Honkatukia. Vienna: Springer Verlag 2005. 194 pages.
36. *Stochastic Economic Dynamics*. Edited by B.S. Jensen and T. Palokangas. Copenhagen: CBS Press 2007. 438 pages.
37. *New Approaches in Dynamic Optimization to Assessment of Economic and Environmental Systems: Introduction*. Edited by H. Maurer, T. Palokangas and A. Tarasyev. Special Issue of Applied Mathematics and Computation **204** (2008), Elsevier.
38. *Dynamic Systems, Economic Growth, and the Environment*. Edited by J. Crespo Cuaresma, T. Palokangas and A. Tarasyev. Heidelberg: Springer Verlag 2009.

Recent papers:

39. Optimal Capital Taxation with Labor Unions. *Interim Report IR-06-028 (July 2006)*. International Institute for Applied Systems Analysis. Laxenburg, Austria.
40. Integration, Labor Market Regulation, Lobbying, and Technological Change. *IZA Discussion Paper No. 4096 (2009)*, IZA, Germany.
41. GHG Emissions, Lobbying, Free-Riding, and Technological Change. *Discussion Paper No. 643 (2010)*, University of Helsinki, Department of Economics.
42. (co-authored with U. Lehmijoki) The Long-Run Effects of Mortality Decline in Developing Countries. *IZA Discussion Paper No. 5422 (2011)*, IZA, Germany.
43. International Biodiversity Management with Technical Change. *Discussion Paper No. 330 (2011)*. Helsinki Center of Economic Research (HECER).
44. GHG Emissions, Lobbying, Free-Riding, and Technological Change. *Discussion Paper No. 340 (2011)*. Helsinki Center of Economic Research (HECER).

Dissertations:

45. Public Policy with Monopolistic Markets, series A:8, Department of Economics, University of Tampere 1985, 209 pages, based on a D.Phil. thesis in the University of Oxford, England.

Tuition material:

46. Lectures on dynamic mathematical methods in economics (in Finnish), Opetusmonisteita, No. 2 (1999), University of Helsinki, Department of Economics, 87 pages.

Papers in Domestic Collections:

47. Investment, Rate-of-Return Regulation and the Valuation of the Rate Base. In: *Antti Tanskanen 50 vuotta – kirjoituksia kansantaloudesta*. Nenonen and Pehkonen (eds). Jyväskylän yliopisto 1996.
48. Searching for Jobs, Political Lobbying, and Legal and Illicit Immigration. In: *Työ, talous ja yliopisto. Jaakko Pehkonen 50 vuotta*. Heimonen and Tervo (eds). Jyväskylän yliopisto 2010.