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## CURRICULUM VITAE

### STEPHEN J. TURNOVSKY

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**Home Address:** 6053 N. E. Kelden Place  
Seattle, Washington 98105  
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**Place of Birth:** Wellington, New Zealand

**Citizen:** United States and New Zealand

## EDUCATIONAL BACKGROUND

**Undergraduate:** Victoria University of Wellington, 1959-63  
Graduated B.A. 1962:  
Pure Mathematics, Applied Mathematics, Economics  
  
Graduated M.A. 1963:  
(First Class Honors in Mathematics)

**Graduate:** Harvard University, 1964-68  
Graduated Ph.D. June 1968  
Thesis Title: "Consumer Behavior under Conditions of Uncertainty in  
Supply"

**Honorary degrees:** Doctorat, Honoris Causa, University of Aix-Marseille II, France, Nov.  
2005  
Honorary Doctorate of Literature, Victoria University of Wellington, New  
Zealand, May 2009.

## PROFESSIONAL POSITIONS

<b>Teaching:</b>	1963	Junior Lecturer, Department of Mathematics Victoria University of Wellington
	1966-68	Teaching Fellow, Harvard University
	1968-71	Assistant Professor, Department of Economics, University of Pennsylvania
	1970-71	Visiting Associate Professor, Department of Political Economy, University of Toronto
	1971-72	Associate Professor (with tenure), Department of Political Economy, University of Toronto
	1972-82	Professor of Economics, Australian National University
	1976, 1977 1980, 1981	(3 1/2 years) Chairman, Department of Economics, Australian National University
	1982-88	IBE Distinguished Professor of Economics, University of Illinois
	1988-	Professor of Economics, University of Washington
	1990-95	Chairman, Department of Economics, University of Washington
	1993-2012	Castor Professor of Economics, University of Washington
	2000-01	Director, Institute for Economic Research, University of Washington
	2010-	Adjunct Professor, Victoria University of Wellington, NZ (honorary position)
	2012-	Ford and Louisa Van Voorhis Professor of Political Economy, University of Washington

Teaching experience includes undergraduate and graduate courses in micro and macro theory; graduate courses in domestic and international monetary economics, growth theory, and econometrics.

### Visiting Teaching Positions:

- 1975 (Fall Quarter), Visiting Professor, School of Business Administration, University of California-Berkeley
- 1979 (Spring) Visiting Professor of Economics, University of Paris-Dauphine
- 1979 (Fall) Visiting Professor of Economics, University of Minnesota
- 1981 (Fall) Visiting Professor of Economics, University of Illinois
- 1989 (April) Exchange Professor, University of Aix-Marseille
- 1994 (April-May) Visiting Professor, University of Paris-Pantheon-Sorbonne
- 1995 (August), Visiting Professor, Studienzentrum Swiss National Bank, Gerzensee, Switzerland
- 1995 (December), Visiting Professor, Winter School, Delhi School of Economics, Delhi, India
- 1996 (April), Visiting Professor, Research Department, Bank of Portugal, Lisbon
- 1996 (September) Visiting Professor, Institute for Advanced Studies, Vienna
- 2000 (Spring), Visiting Professor, Department of Economics, University of California, Berkeley
- 2001 (August), Visiting Professor, Academia Sinica, Taipei, Taiwan
- 2002 (September), Visiting Professor, Peking University, Beijing, China, and IAS, Wuhan University, Wuhan, China
- 2003 (September), Visiting Professor, IAS Wuhan University, Wuhan, China
- 2004 (May), Visiting Professor, Institute for Advanced Studies, Vienna
- 2004 (August), Visiting Professor, IAS Wuhan University, Wuhan, China

- 2005 (September), Visiting Professor, Central European University, Budapest
- 2006 (May) Visiting Professor, University of Aix-Marseille-II, Marseille.
- 2007 (July) Presented first CICSE lectures on Economic Growth, Lucca, Italy.
- 2008 (May) Visiting Professor National Chengchi University, Taipei, Taiwan.
- 2014 (May) Visiting Professor, Kazakh National Technical University, Almaty, Kazakhstan.

**Visiting Research Positions:**

- 1961-62 (Summer) Research Assistant, Applied Mathematics Laboratory, Department of Scientific and Industrial Research, Wellington, NZ
- 1963 Part-time Research Assistant, NZ Institute of Economic Research
- 1964 Research Assistant, Econometric Institute, Netherlands School of Economics
- 1966 (Summer) Research Assistant, FUSEG Project, Massachusetts Institute of Technology
- 1967-68 Research Assistant, Harvard Water Program
- 1970-72 Research Associate, Institute of Quantitative Analysis of Social and Economic Policy, University of Toronto
- 1979 Visiting Research Associate CEPREMAP, Paris
- 1979 Visiting Fellow, Nuffield College, Oxford University
- 1982-87 Research Associate, Co-ordinated Science Laboratory, University of Illinois
- 1983-1993 Research Associate, National Bureau of Economic Research
- 2001 (May), Visiting Fellow, CESifo, University of Munich
- 2001- Fellow, CESifo Network, University of Munich

- 2005 (May), Visiting Fellow, CESifo, University of Munich
- 2006 (April), Visiting Scholar IMF Institute, IMF, Washington
- 2006 (May), Visiting Fellow, University of York, York, UK
- 2008 (April), Visiting Scholar, Research Department, IMF, Washington

### **PROFESSIONAL HONORS**

- 1976- Fellow of Academy of Social Sciences in Australia  
Emeritus Fellow (2016); Jubilee Fellow (2016)
- 1981- Fellow of Econometric Society
- 1982-84 President, Society of Economic Dynamics and Control
- 1994, 1995 President-Elect, President, International Economics and Finance Society
- 2004-06 President, Society for Computational Economics
- 2012- Distinguished Fellow, New Zealand Association of Economists
- 2012 Received award from Turkish Economics Association
- 2013 Awarded David Kendrick Prize from the Society for Computational Economics for contributions to computational economics
- 2014- Fellow Society of Economic Measurement
- 2017- Charter Fellow, Institute for Nonlinear Dynamical Inference, (Moscow)

### **PROFESSIONAL ORGANIZATIONS**

Member of following professional societies:

- 1964- American Economic Association
- 1966- Econometric Society
- 1970-87 American Statistical Association
- 1971-2013 Canadian Economic Association
- 1972-2010 Australian and New Zealand Economic Society
- 1973-80 Australian Statistical Society
- 1973- Royal Economic Society
- 1979- Society of Economic Dynamics and Control
- 1997- Society of Computational Economics

### **EDITORIAL ACTIVITIES**

- 1972-93 Associate Editor, *International Economic Review*
- 1973-74 Editorial Board, *Australian Economic Review*

1973-77 Joint Editor, *Economic Record*  
1977-2010 Associate Editor, *Journal of Money, Credit and Banking*  
1978-81 Associate Editor, *Journal of Economic Dynamics and Control*  
1981-1987 } Editor, *Journal of Economic Dynamics and Control*  
1995-2001 }  
1987-1995 } Advisory Editor, *Journal of Economic Dynamics and Control*  
2002- }  
1982-87 Associate Editor, *Journal of Public Economics*  
1986-94 Associate Editor, *Journal of Economic Surveys*  
1991-2009 Editorial Board, *Review of International Economics*  
1993-98 Associate Editor, *Review of Quantitative Finance and Accounting*  
1995-98 Associate Editor, *Journal of International Economics*  
1995-99 Associate Editor, *Asia-Pacific Economic Review*  
2000- Associate Editor, *Journal of Public Economic Theory*  
2000-12 Associate Editor, *Economics Bulletin*  
2001-18 Associate Editor, *Macroeconomic Dynamics*  
2006- Associate Editor, *Journal of Human Capital*  
2007- Editorial Advisory Board, *New Zealand Economic Papers*  
2008- Special Issues Editor, *Macroeconomic Dynamics*  
2009- Editorial Advisory Board, *Metroeconomica*  
2009- Editorial Advisory Board, *Open Economies Review*  
2009-14 Co-Editor, *Indian Growth and Development Review*  
2010- Advisory Committee, *Ekonomi-tek* (Journal of the Turkish Economic Association)  
2016- Editorial Advisory Board, *Journal of Macroeconomics*  
2016-18 Co-Editor, *Research in Economics* (Elsevier)  
2016- Editorial Board, *Central Bank Review* (Central Bank of Turkey)  
2018- Co-Editor, *Macroeconomic Dynamics*  
2019- Editorial Board member, *Cambridge Elements in the Economics of Emerging Markets* (Cambridge University Press).

## CONFERENCE ORGANIZATION

Member Program Committee for Fourth World Congress of Econometric Society held in Aix-en-Provence, France, August 28-September 2, 1980.

Member, International Program Committee, 4th IFAC/IFORS/SEDC Conference, held in Washington, D. C., June 17-19, 1983.

Member, International Program Committee, 5th IFAC Conference held in Budapest, Hungary, June 1986.

Member, AEA Advisory Committee for Annual Meetings held in Chicago, December 1987.

Program Chairman, Summer Econometric Society meetings, Seattle, June 1992.

Member, International Program Committee IFAC/SEDC Conference, held on Gold Coast, Australia, July 1995.

Member, International Program Committee IFAC/SCE Conference, held in Cambridge UK July 1998.

Co-Chair, Program Committee, 8th World Congress of Econometric Society, Seattle WA August 2000.

Co-organizer Conferences on Growth and Inequality, Munich May 2001 and Elmau Bavaria, Germany, January 2002.

Member, International Program Committee, 8th International Conference on Computing in Economics and Finance, Aix-en Provence, France, June 2002.

Chair, International Program Committee, 9th International Conference on Computing in Economics and Finance, Seattle WA July 2003.

Member, International Program Committee, Conference on Income Distribution and Growth, Lucca, Italy, June 2004.

Member, International Program Committee, 10th International Conference on Computing in Economics and Finance, Amsterdam, Netherlands, July 2004.

Member Program Committee, Association of Public Economic Theory Conference, Beijing, China, August 2004.

Member, International Program Committee, 11th International Conference on Computing in Economics and Finance, Washington, D.C., June 2005.

Member, International Program Committee, 12th International Conference on Computing in Economics and Finance, Limassol, Cyprus, June 2006.

Member, Organizing Committee, Association of Public Economic Theory Conference, Hanoi, Vietnam, July 2006

Member, Program Committee, International Institute of Public Finance conference held in Pathos Cyprus, August 2006.

Member, Advisory Committee 3rd APEA Conference, Hong Kong, July 2007.

Member, International Program Committee, Conference on Growth and institutional and Social Dynamics, Pisa, Italy, December 2007.

Member, Organizing Committee, Association of Public Economic Theory Conference, Seoul, Korea, June 2008

Member, Program Committee for Symposium: “The Phillips curve: 50 Years On,” Wellington, New Zealand, July 2008.

Member, International Advisory Board for Symposium: “The Phillips curve: 50 Years On,” Wellington, New Zealand, July 2008.

Member, Advisory Committee, 4<sup>th</sup> APEA Conference, Beijing, December 2008.

Member, Organizing Committee, Association of Public Economic Theory Conference, Galway, Ireland, June 2009.

Organized SCE session entitled “Aspects of Economic Growth,” ASSA meetings, Atlanta, January 2010.

Member, Organizing Committee, Association of Public Economic Theory Conference, Istanbul, Turkey, July 2010.

Member, Organizing Committee, Association of Public Economic Theory Conference, Bloomington, IN, June 2011.

Member, Organizing Committee, Association of Public Economic Theory Conference, Taipei, Taiwan, June 2012.

Member, Program Committee, Society for the Advancement of Economic Theory Conference, Brisbane, Australia, June 2012.

Member, Organizing Committee, Association of Public Economic Theory Conference, Lisbon, Portugal, July 2013.

Session Organizer, Society for the Advancement of Economic Theory Conference Paris, France, July 2013.

Chair Organizing Committee, Association of Public Economic Theory conference, Seattle, WA, July 2014.

Member, Organizing Committee, Association of Public Economic Theory Conference, Luxembourg, July 2015.

Member, Organizing Committee, Association of Public Economic Theory Conference, Rio de Janeiro, July 2016.

Session Organizer, Society for the Advancement of Economic Theory Conference Taipei, Taiwan, June 2018.



Co-chair Program Committee, Econometric Society, North American Summer meetings, Seattle, June 2019.

Member, Scientific Committee, Association of Public Economic Theory Conference, Strasbourg, July 2019.

Co-organizer 8<sup>th</sup> Annual West coast Workshop in International Finance, Seattle, November 2019.

Member, Scientific Committee, Association of Public Economic Theory Conference, Montreal, July 2020.

### **OTHER PROFESSIONAL ACTIVITIES**

Member Walras-Bowley lecturer selection committee, Econometric Society, 1992, 2000, 2019.

Member Cowles lecturer selection committee, Econometric Society 2019.

Member Advisory Committee, Society of Computational Economics, 2001

Member of the Expert Panel, Economic Education Research Consortium – Russia, 2001-06.

Member External Review Committee, University of California, Santa Cruz, November 2002.

Member, Advisory Board, Centre for Dynamic Macroeconomic Analysis, University of St Andrews, Scotland, 2002-.

Chairman, Review Committee, Business Program, University of Washington, Bothell, April 2006.

Member Panel to review Department of Economics, University of Padua, Italy, September 2008.

Member Advisory Board, Centre for Macroeconomics, University of Melbourne, Australia, 2008-

Member Advisory Board, Society for Economic Measurement, 2013-

Member, Econometric Society, North American Regional Standing Committee 2019-2020.

## INVITED AND PLENARY ADDRESSES

“Intertemporal Optimizing Approach to International Macroeconomics,” Australasian meetings of the Econometric Society, Armidale NSW Australia, July 1989.

“Applications of Continuous-Time Stochastic Methods to General Equilibrium Endogenous Growth Models,” Keynote address presented to IFAC, 1995, Gold Coast, Australia, July 1995.

“Trends and Fads in Macroeconomic Dynamics,” invited public lecture Delhi Winter School, December 1995.

“Trends and Fads in Macroeconomic Dynamics,” invited public lecture, Institute of Advanced Studies, Vienna, September 1996.

“Knife-Edge Conditions and the Macrodynamics of Small Open Economies,” Keynote address to 28th Australian conference of Economists, Melbourne, Australia, September 1999.

“Growth in an Open Economy: Some Recent Developments,” Invited address presented at National Bank of Belgium on the occasion of the 150th anniversary of the Bank, May 2000.

“Old and New Growth Theories: A Unifying Structure,” Plenary address at Conference on Old and New Growth Theories: An Assessment,” Pisa Italy, October 2001.

“Unilateral Capital Transfers, Economic Growth and Welfare” Plenary address at 7th Conference on Dynamics, Economic Growth and International Trade, Cologne Germany, May 2002.

Smith Chair Lecturer, Brigham Young University, 2003.

“Growth, Income Inequality, and Fiscal Policy: What are the Relevant Tradeoffs?” Plenary address PET 06, Hanoi, August 2006.

“Growth and Income Inequality.” Invited address, First International Conference on Economics, Turkish Economic Association, Ankara, September 2006.

“The Role of Factor Substitution in the Theory of Economic Growth and Income Distribution,” Plenary address Conference on 50<sup>th</sup> anniversary of CES production function , Eltville/Rhein, Germany, October 2006.

“Income Inequality and Growth in a Neoclassical Model,” Plenary address to 12<sup>th</sup> Spring Meeting of Young Economics, Hamburg, Germany, May 2007.

“The Composition of Foreign Aid: Consequences for Economic Growth and Welfare,” Plenary address to 6<sup>th</sup> Conference of European Economics and Finance society, Sofia Bulgaria, June 2007.

“Taxation and Income Distribution Dynamics in a Neoclassical Growth Model,” Plenary address to 2<sup>nd</sup> Workshop on Macroeconomic Dynamics, University of Melbourne, Australia, July 2008.

“Stabilization Theory and Policy: 50 Years After the Phillips Curve,” Plenary address presented to ESAM08 Conference honoring A.W.H. Phillips, Wellington, New Zealand, July 2008.

“The Distributional Consequences of Foreign Transfers: Do they Reduce or Exacerbate Inequality?” Plenary address presented to 5<sup>th</sup> APEA Conference, Santa Cruz, CA, June 27-28, 2009.

“Aggregate and Distributional effects of Tax Policy with Interdependent Preferences: The Role of ‘Catching up with the Joneses’,” Invited address presented to European Science Foundation’s Public Goods workshop, Graz, Austria July 9-11, 2009.

Conference held at Institute of Advanced Studies, Vienna, honoring my research, May 20-22, 2010. Selected papers published in *Journal of Economic Dynamics and Control*, 35 (9), September 2011.

Invited speaker, 2010 Taipei International Conference on Growth, Trade, and Dynamics, Taipei, Taiwan, June 17,18, 2010.

Invited speaker, Preconference workshop, 16<sup>th</sup> International Conference on Computing in Economics and Finance, London, July 14-16, 2010.

Invited speaker, Second International Conference on Economics, Turkish Economic Association, Girne North Cyprus, September 1-4, 2010.

Invited speaker 10<sup>th</sup> Journées Louis-André Gérard-Varet conference on Public Economics, Marseille, France, June 2011.

Keynote speaker, 2<sup>nd</sup> New Zealand Macroeconomic Dynamics Workshop, Wellington NZ, April 16-17, 2012.

Keynote speaker, Southern Workshop in Macroeconomics, Auckland NZ, April 19-20, 2012.

Keynote speaker, 53<sup>rd</sup> Conference of New Zealand Association of Economists, Palmerston North, NZ, June 27-29, 2012.

Invited speaker, 3<sup>rd</sup> International Conference on Economics, Turkish Economic Association, Cesme, Turkey, November 1-3, 2012.

Keynote speaker, 17<sup>th</sup> International Conference on Macroeconomic Analysis and International Finance, Crete Greece, May 2013.

Keynote speaker, Second International Symposium on the History of Economic Thought: “Macroeconomic Dynamics in Historical Perspective.” Sao Paulo, Brazil, August 2013.

Invited speaker, 4<sup>th</sup> International Conference on Economics, Turkish Economic Association, Antalya Turkey, October 18-20, 2014.

Keynote speaker 21st International Conference on Computing in Economics and Finance, Taipei, Taiwan, June 2015.

Keynote speaker 5<sup>th</sup> Singapore Economic Review Conference, Singapore, August 2015.

Invited speaker, 2016 Africa Meeting of Econometric Society, Kruger National Park, South Africa July 2016.

Joe Tiao lecture, Kansas State University, April 2017.

Invited speaker 23rd International Conference on Computing in Economics and Finance, New York, June 2017.

Invited speaker, 6<sup>th</sup> International Conference on Economics, Turkish Economic Association, Antalya Turkey, November 1-3, 2018.

Invited speaker, Conference on Prospects for Economic Growth in the United States, Baker Institute, Rice University, December 6-7, 2018.

## PUBLICATIONS

### Books (Author)

*The Inflationary Process in North American Manufacturing*, Prices and Incomes Commission, Ottawa, 1973, pp. 260, (with L. D. Taylor and T. A. Wilson).

*Macroeconomic Analysis and Stabilization Policy*. Cambridge University Press, Cambridge (1977), pp. 390.

*International Macroeconomic Stabilization Policy*, Basil Blackwell, Oxford, 1990, pp.390.

*Methods of Macroeconomic Dynamics*, MIT Press, Cambridge MA, 1995, pp. 535; 2nd Edition 2000, pp. 670.

*International Macroeconomic Dynamics*, MIT Press, 1997, pp. 490.

*Capital Accumulation and Economic Growth in a Small Open Economy*, Cambridge University Press 2009, pp. 241.

### **Books (Edited)**

*Applications of Control Theory to Economic Analysis* (ed.), North-Holland in "Contributions Series," 1977, pp. 363 (with J. D. Pitchford).

*Advances in Economic Theory and Econometrics: Eighth World Congress Econometric Society*, (ed.) Cambridge University Press, 2002, 3 volumes (with M. Dewatripont, and L. Hansen).

*Growth and Inequality: Issues and Policy Implications* (ed.) MIT Press, Cambridge MA, 2003, (with T. Eicher).

*Economic Growth and Macroeconomic Dynamics: Some Recent Developments* (ed.) Cambridge University Press, 2004, (with S. Dowrick, and R. Pitchford).

### **Special Issues Journals (Edited)**

*Intertemporal Issues in International Macroeconomics* (ed.) Special Issue of *Journal of Economic Dynamics and Control*, 1991.

*Economic Growth in Open Economies* (ed.) Special Issue of *Journal of Economic Dynamics and Control*, 1999.

*Public Policy, Externalities, and Economic Growth* (ed.) Special Issue of *Macroeconomic Dynamics*, 2010 (with R. Wendner).

### **Contributions to Books and Conference Volumes:**

"Turnpike Theorems and Efficient Economic Growth," Chapter 10 of E. Burmeister and A. R. Dobell, *Mathematical Theories of Economic Growth*, Macmillan 1970, 311-351.

"Optimal Government Stabilization in a Simple Multiplier-Accelerator Economy," *Proceedings of IEEE Conference on Decision and Control*, December 1971, 109-113.

"Microeconomic Behavior when Supplies are Uncertain," Chapter 5 of *Model for Managing Regional Water Quality*, eds. R. Dorfman, H. D. Jacoby, H. A. Thomas, Harvard University Press, 1973, 204-232.

"Optimum Government Investment in Supply Systems Yielding Uncertain Outputs," Chapter 6 of *Models for Managing Regional Water Quality*, eds. R. Dorfman, H. D. Jacoby, H. A. Thomas, Harvard University Press, 1973, 233-264.

"Optimal Control of Linear Systems with Stochastic Coefficients and Additive Disturbances," in *Applications of Control Theory to Economic Analysis*, eds. J. D. Pitchford and S. J. Turnovsky, North-Holland, 1977, 293-335.

"On the Scope of Discretionary and Optimal Policies in the Stabilization of Stochastic Linear Systems," in *Applications of Control Theory to Economic Analysis*, eds. J. D. Pitchford and S. J. Turnovsky, North-Holland, 1977, 337-363.

"Stabilization Policies and the Optimal Choice of Monetary Instrument in a Small Open Economy," in *Stability and Inflation: Essays in Honour of A. W. Phillips*, eds. A. R. Bergstrom et al, Wiley, 1978, 133-153.

"Expectations and Incomes Claims and Wage-Price Determination: An Aspect of the Inflationary Process," in *Stability and Inflation: Essays in Honour of A. W. Phillips*, eds. A. R. Bergstrom et al, Wiley, 1978, 155-178 (with J. D. Pitchford).

"The Distribution of Welfare Gains from Price Stabilization: A Survey of Some Theoretical Issues," in *Stabilizing World Commodity Markets*, eds. F. G. Adams and S. A. Klein, Heath, Lexington, Mass., 1978, 119-148.

"Some Theoretical Aspects of RBA 76," Conference in Applied Economic Research, Reserve Bank of Australia, 1978, 287-300.

"International Interest Rate Linkages and Speculative Behaviour," in *Proceedings of Conference on Interest Rates*. Macquarie University, ed. J. Juttner, Cheshire Longmans, Melbourne, 1981 (with J. Eaton), 385-396.

"Exchange Market Intervention Policies in a Small Open Economy," in *The International Transmission of Economic Disturbances*, eds. J. Bhandari and B. Putnam, MIT Press, 1983, 286-311.

"Optimal Exchange Market Intervention: Two Alternative Classes of Rules," in J. S. Bhandari (ed.), *Exchange Rate Management Under Uncertainty*, MIT Press, Cambridge, MA, 1985, 55-72.

"Exchange Market Intervention in a Small Open Economy: An Expository Model," in P. Malgrange and P. A. Muet (eds.), *Contemporary Macroeconomic Modelling*. Basil Blackwell, Oxford, 1984, 156-173.

"Optimal Stabilization Policies Under Perfect Foresight," in A. J. Hughes Hallett (eds.), *Applied Decision Analysis and Economic Behaviour*, Martinus Nijhoff, Amsterdam, 1984, 3-22, (with P. J. Stemp).

"The Interdependence Between Wage Indexation and Exchange Market Intervention," in T. Basar (ed.), *Modelling and Control of National Economies*, Pergamon Press, Oxford, 1984.

"Nonuniqueness and Instability under Rational Expectations: The Case of a Bond Financed Government Deficit," in G. Gandolfo and F. Marzano (eds.), *Essays in Memory of Vittorio Marrama*, Guiffre, Milano, 1987, 933-952, (with W. Scarth).

"Comments on Miller and Salmon," in W. Buiter and R. C. Marston (eds.), *International Economic Policy Coordination*, Cambridge University Press, Cambridge, 1985, 220-227.

"Optimal Strategic Monetary Policies in Dynamic Interdependent Economies," in T. Basar (ed.), *Dynamic Games and Applications in Economics*, Lecture Notes in Economics and Mathematical Systems, Springer-Verlag, New York, 1986, 134-178 (with T. Basar and V. d'Orey).

"Comment on Willem Buiter" in J. A. Frenkel (ed.), *International Aspects of Fiscal Policy*, NBER, University of Chicago Press, 1988, 164-172.

"Risk, Exchange Market Intervention, and Private Speculative Behavior in a Small Open Economy," in C. G. Stone (ed.), *Financial Risk: Theory, Evidence and Implications*, Kluwer, Boston, 1988, 41-72.

"Comment on Joshua Aizenman" in R. C. Marston (ed.), *Misalignment of Exchange Rates*, NBER, University of Chicago Press, 1988, 189-194.

"Strategic Wages Policy and the Gains from Cooperation" in F. van der Ploeg and A. J. de Zeeuw (eds.), *Dynamic Policy Games in Economics*, North-Holland, Amsterdam, 1989, 191-222 (with M. Bianconi).

"Risk and the Equilibrium Rate of Growth in a Small Open Economy," in C. Hargreaves (ed.), *Macroeconomic Modelling of the Long Run*, Edward Elgar, Cheltenham U.K. 1992, 339-366.

"The Intertemporal Optimizing Approach to International Macroeconomics," in A. de Zeeuw (ed.) *Advanced Lectures in Quantitative Economics II*, Academic Press, N.Y. 1993, 113-149.

"Exchange Rate Management: A Partial Review," in R. Glick and M. Hutchison (eds.), *Exchange Rate Policy and Interdependence: The Perspective of the Pacific Basin*, Cambridge University Press, Cambridge 1994, 99-137.

"U.S. Government Expenditure Policy in the 1980s: Internal and External Repercussions," in Y. Noguchi and K. Yamamura (eds.), *Macroeconomic Relations between U.S. and Japan in the 1980s* University of Washington Press, Seattle WA, 1996, 222-261 (with M. Bianconi).

"Risk and Financial Development: A Comparative Case Study of Mexico and Indonesia," in R. Glick (ed.), *Managing Capital Flows and Exchange Rates:*

*Lessons from the Pacific Basin*, Cambridge University Press, Cambridge UK, 1998, 147-179 (with T. Eicher).

"Public and Private Capital in an Endogenously Growing Open Economy," in B.S. Jensen and K.Y. Wong (eds.) *Dynamics, Economic Growth, and International Trade*, University of Michigan Press, Ann Arbor MI, 1998, 101-141.

"Bill Phillips' Contribution to Dynamic Stabilization Policy," in R. Leeson (ed.), *A.W.H. Phillips: Collected Works in Contemporary Perspective*, Cambridge University Press, Cambridge, UK, 1999, 296-303.

"Growth in an Open Economy: Some Recent Developments," in M. Dombrecht and J. Smets (ed.) *How to Promote Economic Growth in the Euro Area?* Edward Elgar, Cheltenham, U.K. 2002, 9-56.

"Old and New Growth Theories: A Unifying Structure," in N. Salvador (ed.) *Old and New Growth Theories: An Assessment*, Edward Elgar, Cheltenham, U.K. 2003, 1-44.

"Tax Policy and Inequality: Empirical and Theoretical Implications," in T. Eicher and S.J. Turnovsky (eds.) *Growth and Inequality: Issues and Policy Implications*, MIT Press, Cambridge, MA, 2003, 227-251, (with T. Eicher and M. Riera Prunera).

"Taxes and Welfare in a Stochastically Growing Economy," in S. Altug, J. Chadha, and C. Nolan (eds.) *Dynamic Macroeconomic Analysis*, Cambridge University Press, 2003, 155-211.

"On the Introduction of Endogenous Labor Income in Deterministic and Stochastic Endogenous Growth Models," in S. Altug, J. Chadha, and C. Nolan (eds.) *Dynamic Macroeconomic Analysis*, Cambridge University Press, 2003, 487-508.

"Substitutability of Capital, Investment Costs, and Foreign Aid," in S. Dowrick, R. Pitchford, and S.J. Turnovsky, (eds.) *Economic Growth and Macroeconomic Dynamics: Some Recent Developments*, Cambridge University Press, 2004, 138-170, (with S. Chatterjee).

"Consumption and Production Externalities in a Small Open Economy with Accumulating Capital," in S. Jayasuriya (ed.), *Trade Theory and Analytical Models: Essays in Honour of Peter Lloyd*, Edward Elgar, Cheltenham, U.K. 2005, 185-222, (with Wen-Fang Liu).

"Macroeconomic Volatility and Income Inequality in a Stochastically Growing Economy," in N. Salvadori (ed.), *Economic Growth and Income Distribution: On the Nature and Causes of the Wealth of Nations*, Edward Elgar, Cheltenham, U.K., 2006, 179-221, (with C. Garcia Penalosa).



“Theory of Second Best,” and “Tradeoffs” entries to *International Encyclopedia of the Social Sciences*, 2nd ed. W.A. Darity (editor in chief) Macmillan, New York 2008.

“Imported Inputs: Dynamic Effects on Economic Growth,” in T. Kamihigashi and L. Zhao, (eds.), *International Trade and Economic Dynamics: Essays in Memory of Koji Shimomura*, Springer, 2008, 257-279 (with S. Schubert).

“Foreign Lending under Limited Enforcement,” in Yin-Wong Cheung and Kar-yiu Wong (eds.), *China and Asia: Economic and Financial Interactions*, Routledge, 2008, 257-274, (with N. Alemdar, and S. Sirakaya).

“Endogenous Growth and Unemployment: The Experience of Italy following the Recent Financial Crisis,” in G. Freni, H.D. Kurz, M. Lavezzi, and R. Signorino (eds.) *Economic Theory and its History*, Routledge Oxford, UK 2016, 65-85, (with S. Schubert).

“Economic Growth and Income Inequality: Insights from the Representative Consumer Theory of Distribution,” in J.W. Diamond and G. Zodrow (eds.) *Prospects for Economic Growth in the United States*. Cambridge University Press, NY 2020.

### **Journal Articles:**

"A Statistical Survey of Earthquakes in the Main Seismic Region of New Zealand," *New Zealand Journal of Geology and Geophysics*, 7, 1964, 722-744 (with D. Vere-Jones and G. A. Eiby).

"The New Zealand Automobile Market 1948-53: An Econometric Case-Study of Disequilibrium," *Economic Record*, 42, 1966, 256-273.

"Some Aspects of the Aggregation Problem for Composite Demand Equations," *International Economic Review*, 3, 1966, 231-259 (with A. P. Barten).

"The Allocation of Corporate Profits Between Dividends and Retained Earnings," *Review of Economics and Statistics*, 49, 1967, 583-589.

"International Trading Relationships for a Small Country: The Case of New Zealand," *Canadian Journal of Economics*, 1, 1968, 777-790.

"Stochastic Stability of Short Run Market Equilibrium Under Variations in Supply," *Quarterly Journal of Economics*, 82, 1968, 666-681.

"The Demand for Water: Some Empirical Evidence on Consumers' Response to a Commodity Uncertain in Supply," *Water Resources Research*, 5, 1969, 350-361.

Reprinted in (i) S. Renzetti (ed.) *The Economics of Industrial Water Use*, Edward Elgar, Cheltenham, U.K., 2002; (ii) R.Q. Grafton (ed.) *Economics of Water Resources*, Edward Elgar, Cheltenham, U.K., 2009.

"A Bayesian Approach to the Theory of Expectations," *The Journal of Economic Theory*, 1, 1969, 220-227. Reprinted in S. E. Fienberg and A. Zellner, *Studies in Bayesian Econometrics in Honor of Leonard J. Savage*, North-Holland Publishing Company, Amsterdam, 1974.

"The Behaviour of a Competitive Firm with Uncertainty in Factor Markets," *New Zealand Economic Papers*, 3, 1969, 52-58.

"Safety-First and Expected Utility Maximization in Mean-Standard Deviation Portfolio Analysis," *Review of Economics and Statistics*, 52, 1970, 75-81, (with D. H. Pyle). Reprinted in W. T. Ziemba and R. G. Vickson, *Stochastic Optimization Models in Finance*, Academic Press, New York, 1975 *Second Edition*, 2006, World Scientific Publishing Co., Singapore.

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### **UNPUBLISHED WORK AND WORK IN PROGRESS**

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