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**TRUONG PHUOC TRUONG
CURRICULUM VITAE**

Contact addresses:

Institute of Transport and Logistic Studies
Faculty of Economics and Commerce
Burren Street Campus (C37)
The University of Sydney
Sydney, NSW 2006, Australia
www.itls.usyd.edu.au

E-Mail: truongt@itls.usyd.edu.au

Tel.: +61 2 93510118

Fax: +61 2 9351 0088

Born: Bac Lieu Province, Southern Vietnam.

Family Status: Married, 2 children

Citizenship: Australian

Academic Qualifications :

- 1970: Bachelor of Electrical Engineering (Honours 2A), Univ. of Western Australia
- 1975: Master of Engineering Science (Electrical), University of Sydney, Australia
- 1977: Master of Arts in Economics, University of Sydney, Australia
- 1982: Doctor of Philosophy in Economics, Macquarie University, Australia
Thesis: A Theoretical Analysis of Choice, Demand, and the Allocation of Time
Examiners: Alan DeSerpa, Marc Gaudry, Peter Forsyth.
- 1992: Bachelor of Law, University of Sydney
- 1997: Graduate Diploma in Legal Practice
The College of Law Pty Ltd , Sydney, Australia

Scholarships & Fellowships :

- 12/1965 – 12/1969: Colombo Plan Scholarship, Australian Government
- 03/1978 – 03/1980: Commonwealth Postgraduate Scholarship, Australian Government
- 08/2005 – 10/2005: Hanse Wissenschaftskolleg Fellowship, Hanse Institute for Advanced Study, Delmenhorst, Germany - Social Sciences/Social Policy.
- 07/2006 – 12/2007: Marie Curie International Incoming Fellowship, European Union.

Employment:

- 06/1970 – 03/1971: Engineer, Hydraulic Research Laboratory, Manly Vale, Australia
- 03/1971 – 10/1974: Tutor, Physics & Electrical Eng.. Department, Sydney University
- 10/1974 – 03/1978: Computer Programmer, Economics Dept. Sydney University
- 03/1980 – 09/1981: Consultant, The Implementation & Management Group Pty. Ltd
- 09/1981 – 08/1983: Analyst, The Australian Gas Light Company
- 08/1983 – 07/1984: Research Specialist, NSW Department of Environment & Planning
- 07/1984 – 06/1989: Lecturer, University of New South Wales, Sydney, Australia
- 07/1989 – 01/2007: Senior Lecturer, University of New South Wales, Sydney, Australia

Honourary Appointments

10/2004 – 10/2010: Research Professor, German Institute for Economic Research, Berlin, Germany

06/2008 – current: Honourary Professor in Sustainable Transport System, Faculty of Economics & Business, University of Sydney.

Visiting Appointments:

06/1998 – 05/2000: Visiting Associate Professor, Centre for Global Trade Analysis, Purdue University, USA

10/2003 – 01/2004: Visiting Senior Scientist, Oldenburg University, Germany

Teaching Areas:

Applied Macroeconomics,
Public Sector Economics, Public Finance
Microeconomics
Resource and Environmental Economics
Business Economics, Economics of E-Commerce

PUBLICATIONS**Journal articles**

T.P. Truong and D.A. Hensher (1985) "Measurement of Travel Time Values and Opportunity Cost From a Discrete-Choice Model", *Economic Journal*, 95, June, pp. 438-451.

T.P. Truong (1985) "Inter-Fuel and Inter-Factor Substitution in N.S.W. Manufacturing Industry", *Economic Record*, 61, September, pp. 644-653.

D.A. Hensher and **T.P. Truong** (1985) "Valuation of Travel Time Savings: A Direct Experimental Approach", *Journal of Transport Economic and Policy*, September, pp. 237-261.

T.P. Truong and D.A. Hensher (1985) "Measurement of Travel Time Values with a Discrete Choice Model: A Reply", *Economic Journal*, 97, June 1987, pp. 499-501.

D.A. Hensher, **T.P. Truong** and P.O. Barnard (1988) "The Role of Stated Preference Methods in Studies of Travel Choice", *Journal of Transport Economics and Policy*, January, pp. 45-58.

V.B. Hall, **T.P. Truong**, and V.A. Nguyen (1989) "Responses to World Oil and Coal Shocks in a short run Fuel Substitution Tax Model", *The Australian Economic Review*, 3rd Quarter, pp. 25-38.

V.B. Hall, **T.P. Truong**, and V.A. Nguyen (1990) "An Australian Fuel Substitution Tax Model: ORANI-LFT" (with V.B. Hall and Nguyen Van Anh), *Energy Economics*, Vol. 12, No. 4, October, pp 255-268.

T.P. Truong, and V. U. Nguyen (1994) "Foreign Investment in Vietnam by Build-Operate-Transfer Projects - An Update", *Butterworths Journal of International Banking and Financial Law*, Vol. 9, No. 10, November, pp .482-486.

Hiep Duc Nguyen and **Truong Phuoc Truong** (2003) “Water Resources and Environment in and around Ho Chi Minh City”, *Electronic Green Journal*, Issue 19, December.

Claudia Kemfert, **Truong P. Truong**, and Thomas Bruckner (2006) “Economic Impact Assessment of Climate Change — A Multi-gas Investigation with WIAGEM-GTAP-ICM” *The Energy Journal*, Special Edition on Multi-Greenhouse Gas Mitigation and Climate Policy.

Claudia Kemfert, Michael Kohlhaas, **Truong Truong**, and Artem Protsenko (2006) “The environmental and economic effects of European emissions trading” *Climate Policy*, Vol. 6, No. 4, pp .441-455.

Claudia Kemfert, and **Truong Truong** (2007) “Impact assessment of emissions stabilization scenarios with and without induced technological change” *Energy Policy*, Vol. 35, Issue 11, pp .5337-5345.

Truong P. Truong and Claudia Kemfert (2008) “A Flexible Global Warming Index for Use in an Integrated Approach to Climate Change Assessment” *Environmental Modeling and Assessment*, Vol 13, No. 4, pp. 503-15.

Truong P. Truong and Claudia Kemfert (2008) “Early abatement more cost effective according to new climate model”, *Science for Environment Policy*.

Edited monographs, chapter in book

Hassall, G. and **T.P. Truong** (1994) (Eds.) *Infrastructural Development and Legal Change in Vietnam*, Centre for Comparative Constitutional Studies, University of Melbourne, 1994, 167 pages.

McDougall, R.A, A. Elbehri, and **T.P. Truong** (1998) (Eds.) *Global Trade, Assistance, and Protection: The GTAP 4 Data Base*, Centre for Global trade Analysis, Purdue University, December.

Jean-Marc Burniaux, R. McDougall, and **T.P. Truong** (2001) “An Energy Data Base for GTAP” Chapter 17 in Version 5 GTAP data base Documentation (2001), Purdue University, West Lafayette, Indiana, USA.

Truong, T.P. (2004) “Global Warming and Emission Trading”, Chapter 34 in Hensher, D.A. and K. J. Button (eds.), *Handbook of Transport and the Environment*, Volume 4, Elsevier, pages 615-631. ISBN 0-08-044103-3.

Madden, Gary, **Truong Truong**, and Michael Schipp (2006) “Competition and Growth in Virtual Markets”, in *The Economics of Online Markets and ICT Networks*, eds R. Cooper, G. Madden, A. Lloyd and M. Schipp, Heidelberg, Germany: Physica-Verlag, pp. 77-90.

Truong, T.P. and Hensher, D.A. (2007) “A Reassessment of the characterisation of congestion on an urban road network – some theoretical suggestions and illustrative experiments” Chapter 1 in P. Coto-Millán and Vicente Inglada (Eds) *Essays on Transport Economics* (Contributions to Economics) Springer Physica-Verlag ISBN 978-3-7908-1764-5.

Kemfer, C. and **Truong, T.P.** (2009) “Energy-economy-environment modelling: a survey” in *International Handbook on the Economics of Energy*, ed. J. Evans and L. Hunt, Edward Elgar, Cheltenham, United Kingdom, pp. 367-82.

Technical papers

“GTAP-E - Incorporating Energy Substitution into GTAP”, GTAP Technical Paper No. 16, Center for Global Trade Analysis, Purdue University, West Lafayette, Indiana, USA, December 1999, revised as “GTAP-E: An Energy-Environmental Version of the GTAP Model:

“The Process of Incorporating Energy Data into GTAP”, GTAP Draft Technical Paper, Center for Global Trade Analysis, Purdue University, West Lafayette, Indiana, USA 2000. https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=459.

For other GTAP related works, see:

https://www.gtap.agecon.purdue.edu/network/member_display.asp?UserID=552

Working papers

"Asset Revaluation and Share Prices: A Study Using the M.S.A.E. Regression Technique", *Working Paper No. 10*, Department of Economics, Sydney University, January 1977.

"Extending the Production Side of the ORANI Model to include Energy Substitution" (with D.R. Chapman and D.R. Gallagher), *Working Paper No. 72*, Center for Applied Economic Research, University of New South Wales, August 1985

"ORANI-FUEL: Integrating Interfuel Substitution Into the Standard ORANI System", *IMPACT Project Preliminary Working Paper No. OP-58*, October 1986, University of Melbourne.

"Energy Prices, Labour Productivity and Investment for Energy Savings in N.S.W. Manufacturing Industry 1968/69 - 1981/82", *Working Paper No. 86*, Center for Applied Economic Research, University of New South Wales, May 1986.

"Dynamics of Public Infrastructure, Industrial Productivity and Profitability: A Comment", School of Economics, University of New South Wales, *Discussion Paper 93/22*, 1993.

"Dynamics of Public Infrastructure and Industrial Productivity: The Role of Non-Rival Production Factor", School of Economics, University of New South Wales, *Discussion Paper 93/21*, 1993.

"The Role of Higher Education in Economic Development and Growth", University of New South Wales, School of Economics, *Working Paper 9401*, April 1994

Unpublished reports

"Critique of Report of Value of Time of Airport Users" (with D.A. Hensher), *Final Report, Commonwealth Department of Aviation*, June 1983.

"Preliminary Report on the Establishment of the National University of Vietnam at Hanoi", (joint author with several others), Monash University, January, 1994

“Development Research in VietNam - Human Resource Factor - A report on the Higher Education System in Vietnam” *Report to the Australian Agency for International Development (AusAID)*, December 1996, 106 pages.

“Development of an Economy-Wide Model of Vietnam Australia and Asia Institutional Linkage Program, *Report to the Department of Foreign Affairs and Trade*, September 1996, 120 pages.

Van Seventer, DEN, Truong P. Truong, and M. Goldbltt (2000), “The Potential Impact of International Protocols and Agreements Regarding Global CLimate Change on South African Coal Exports an dHence, on Eskom”, Unpublished Report for Eskom (South Africa Electricity Generation Authority).

Jooste, Meagan, Winkler, Harald, Seventer, Dirk V., and Truong, P. Truong (2009), “An analysis of the effect of response measures to climate change on the South African economy and its trade”, Unpublished Report to the Department of Environmental Affairs (DEA), Energy Research Center, University of Cape Town, South Africa. November.

Conference/Symposium/Workshop Proceedings

Truong T 2010 'A Comparative Study of Selected Countries on Carbon Emissions with Respect to Different Trade and Climate Change Policy Scenarios', paper presented at the Regional Symposium on Low Carbon Economy: Trade, Investment and Climate Change held in Bali, Indonesia, 13-14 October.

Truong T 2008 'Energy-Economy Linkages from neoclassical economic and biophysical perspectives', *83rd Annual Conference - Session on Climate and Society*, Waikiki, Hawaii, United States, 3rd July

Truong T, Hamasaki H and Kemfert C 2007 'Nuclear energy, CDM, and Climate Policy', *EcoMod Energy and Environmental Modeling Conference - Plenary Session*, Moscow, Russia (Russian Federation), 14th September.

Schipp M, Madden G, and **Truong T** 2005 'Competition and Growth in Virtual Markets', in *Proceeding of the Australian Conference of Economists*, The Economic Society of Australia, University of Melbourne, Australia.

Hamasaki H, and **Truong T** 2005 'Japanese electricity generation from nuclear technology and the Kyoto Agreement' Paper delivered at the 8th Annual Conference on Global Economic Analysis, Lübeck, Germany.

Truong, T.P 2004 'A reassessment of the characterisation of congestion on an urban network – some theoretical suggestions and illustrative experiments' paper presented at the 33rd Annual Conference of Economists, Sydney, September.

Truong, T.P., and C. Kemfert. 2004 'A flexible global warming index for use in an integrated assessment of Climate Change Policy', *Seventh Annual International Conference on Global Trade Analysis*, Washington DC, June.

Kemfert, C., **Truong, T.P.**, Bruckner, T. 2003 'Economic Impact Assessment of Climate Change-A Multi-gas Investigation with WIAGEM-GTAPEL-ICM”, paper presented at the Multi-Gas Energy Modeling Forum (EMF21), Stanford University, December.

Truong P. Truong and Huey-Lin Lee 2003 'GTAP-E Model and the “new” CO2 Emissions Data in the GTAP/EPA Integrated Data Base – Some Comparative Results', Paper presented at the 6th Annual Conference on Global Trade, The Hague, June.

Truong T P 2001 'The Costs of CO2 Gas Emission Reductions in Major Annex 1 and Non-Annex 1 Economies: A Comparative Study Using the GTAP-E Model’, paper presented at the 30th Annual Conference of Economists, Perth, WA, September.

Hamasaki, H., and **Truong TP** 2001 'The Costs of Green House Gas Emission Reductions in the Japanese Economy - An Investigation Using the GTAP-E Model’, *Fourth Annual GTAP International Conference*, Purdue University, West Lafayette, Indiana, USA, July.

Truong TP 2001 invited speaker at a Workshop on “The Economics of Climate Change Policies and International Trade -- GTAP-E and Future Directions for Modeling”, Institute for Environmental Studies (IVM), Vrije Universiteit, Amsterdam, February 9.

Truong T P 1999 'The Use of Global Trade and Energy Volume Data for the Analysis of Global Energy-Environmental Issues – Some Illustrative Experiments' Second International Conference on Global Trade Analysis, Copenhagen, Denmark, June.

Truong TP 1997 'Public Infrastructure Provision and Increasing Returns' Paper presented at the the 26th Annual Conference of Economists, Hobart, September.

Truong TP 1995 'VN-GEM A General Equilibrium Model of the Vietnamese Economy", (with B. R. Parmenter and J. M. Horridge), Centre for Vietnamese Studies and Centre of Policy Studies, The University of New South Wales and Monash University, paper presented at the 24th Annual Conference of Economists, University of Adelaide, September.

Truong TP 1993 'Dynamics of Public Infrastructure and Industrial Productivity: The Role of Non-Rival Production Factor', Paper presented at the 22nd Annual Conference of Economists, Murdoch University, Perth.

Truong TP 1979 Fourth International Conference on Behavioural Travel Modelling, Munich, West Germany, July.

Truong TP 1979 "Activity Analysis and Travel Demand", *Australian Transport Research Forum Papers*, Sydney, April.

Consultancies:

1983: Commonwealth Department of Aviation, (economic consultant, jointly with D.A. Hensher). Review of a Study on The Value of Time of Airport Users

1987: Board of Inquiry into natural gas pricing in N.S.W (economic consultant).

1992-5: Australian International Development Assistance Bureau (AIDAB) (through Unisearch Pty Ltd). Economic appraisal of DIFF- (Development Import Finance Facility) and EFIC- (Export Finance and Insurance Corporation) funded projects. These included the following:

- Dalong Water Supply project to Chengde City, Heibei Province, China (June 1992);

- Wei Hai No 2 Sewage Treatment Plant, Shandong Province, China (June 1992);
 - Yangzhou Water Treatment Plant Project, Jaingsu Province, China (June 1992);
 - Electricity supply project to Tanjong Manis and Serikei from Kamantan, Sarawak, Malaysia (July 1992);
 - 150/20 kV Transmission line and sub-station power projects to Indonesia; September-October 1992;
 - Sewage Treatment Project in Hefei City, Anhui Province China (May - June, 1993);
 - Area Traffic Control Project, Bandung, Indonesia (May-June, 1993);
 - Kunming Sewage Treatment Plant No. 3, Kunming City, Yunnan Province, China (May - June, 1993).
 - Ha Noi - Lao Cai Telecommunication and Signalling Project, August - December 1995.
- 2000: ESKOM (South African Electricity Generation Authority) (with Dirk Van Seventer, and M. Goldblatt), A Study on the potential impact of International Protocols and Agreements Regarding Global Climate Change on South African Coal Exports.
- 2004: AusAID, Australian Government, Economist for a team conducting Ex-Post Evaluation of Vietnam Provincial Water Supplies Project, see. Commonwealth of Australia (2003), Evaluation and Review Series No. 33 June.
- 2009: Department of Environmental Affairs (DEA), Energy Research Center, University of Cape Town, South Africa. November (with Dirk Van Seventer, Meagan Jooste, Harald Winkler), A Study on the effect of response measures to climate change on the South African economy.

Convener of Conferences:

- 1994: Joint Convener, with Dr Graham Hassal of the University of Melbourne, a Conference on *Infrastructural Development and Legal Change in Vietnam*, at the Centre for Comparative Constitutional Studies, University of Melbourne, November 8-9.
- 1995: Joint Convener, with Professor Dang Ngoc Dinh, National Institute for Science and Technology Forecasting and Staretegic Studies, Hanoi, Vietnam, a Conference on *Regional Economic Development – Policy to Planning to Investment*, Hanoi, December 11-12. The Conference were attended by the then Australian Ambassador to Vietnam, Ms Susan Boyd, and some Vice Minsiters from Vietnam, and important speakers from Australia, such as: Professor Alen Fels, Chairman of the (then) Australian Trade Practices Commission, Professors Cheryl Saunders (Director, Centre for Comparative Constitutional Studies, University of Melborune), Professor Brian Parmenter (Deputy-Director, Centre of Policy Studies, Monash University), Professor David Hensher (Director, Institute of Transport Studies, University of Sydney), Associate Professor Greg McColl (formerly University of New South Wales)

Research grants:

- 1985-6: Sydney County Council: "Interfuel Substitution in N.S.W. Manufacturing Industries", \$3,000.

- 1985-6: Faculty of Commerce Special Research Grant, University of New South Wales (with D.R. Chapman and D.R. Gallagher) "Energy-Economy Linkages", \$15,000 in 1985 and \$10,000 in 1986.
- 1987: Faculty of Commerce Special Research Grant, University of New South Wales (with G.D. McColl and A.D. Owen) "A Re-assessment of Australia's Role in International Energy Markets", \$3,000.
- 1987: Faculty of Commerce Special Research Grant, University of New South Wales: "Macroeconomic Impacts of Energy Shocks" \$3,000.
- 1987: Faculty of Commerce Special Research Grant, University of New South Wales (with C. Kearney and M. Monadjemi) "Disequilibrium Modelling of Financial and Labour Markets", \$12,000.
- 1993: Faculty of Commerce Special Research Grant, University of New South Wales "Public Capital Spending and Private Sector Productivity - A General Equilibrium Approach", \$900.
- 1993-4: (with the Centre of Policy Studies - Monash University) Monash Development Fund Grant, "The Development of a Computable General Equilibrium Model for Vietnam and The Training of Vietnamese Economists in Economic Modelling Techniques", \$60,000.
- 1995-6: (with the Centre of Policy Studies - Monash University) Department of Foreign Affairs and Trade, Australia-Asia Institutional Linkage Program, "Training Vietnamese economists in the skills of economic modelling and applied economic analysis", \$30,000.
- 1995-6: (with Monash University) Australian Agency for International Development (AusAID), "Human Resource Sector With Particular Reference to Business and Economics Educational Needs", \$30,000

Professional service

Ph. D Supervisions:

Jaekyu LIM (1997), University of New South Wales
Environment, Trade and Economic Growth: A Theoretical and Empirical Analysis with Reference to South Korea

Prangtip Chansomsak (2000), University of New South Wales
The Impact of Services Trade Liberalisation on the Thai Economy

Referees for academic journals:

Economic Journal
Economica
Transportation Research
Transportation Review

Economic Record (Australia)
Australian Economic Paper
Journal of Development Studies

Teaching experience at UNSW

Subject Name	Year	No. of students	Responsibility
Economics B (M. Com.)	1984-5	50	Lecturer
Applied Macroeconomics	1984-5 1986	120-250	Lecturer Lecturer-in-charge
General Studies Economics	1987-8	40-150	Lecturer
Macroeconomics 1	1993	300	Tutor-in-charge
Microeconomics 1	1994	200	Lecturer-in-charge
Public Sector Economics	1986-88, 1991-94	15-25	Lecturer--in-charge
Public Finance	1991-94, 2004	15-20 30	Lecturer-in charge Lecturer
Microeconomic Analysis I (M. Com)	1987-9	12-25	Lecturer
Microeconomic Analysis II (M. Com & Ph D.)	1991, 94	5	Lecturer-in-charge
Microeconomics IV (honours)	1989-90	5-15	Lecturer--in-charge
Resource & Environmental Economics	1989, 92-94	15-20	Lecturer--in-charge
Business Economics	1996-7	170	Lecturer-in-charge
Topics in Business Economics - Cost Benefit Analysis (M. Com)	2000-2004	5	Lecturer
Economics of E-Business (M. Com)	2001-4	115	Lecturer-in-charge
Microeconomics 1	2002-3	1500	Lecturer-in-charge