# Glenn P. Jenkins

## **Academic Background**

PhD Economics, University of Chicago, 1970-1972

MA Economics, University of Chicago, 1969-1970

MA Economics, University of Western Ontario, 1967-1969

**BSc (Hons.) Economics,** Carleton University., 1964-1967

## **Work Experience**

**Full Professor,** Department of Economics, Eastern Mediterranean University September 2001 to present

**Professor (Adjunct),** Department of Economics, Queen's University September 2000 to present

**Director,** Program on Investment Appraisal and Risk Analysis, John Deutsch International Executive Programs, Queen's University, Canada, 2000 to present

**Institute Fellow Emeritus,** Harvard Institute for International Development and Kennedy School of Government, Harvard University 2000 to present

**President,** Cambridge Resources International, Cambridge MA, USA 1997 to present

**Institute Fellow,** Harvard Institute for International Development, 1980 to 2000

**Program Director,** Program on Investment Appraisal and Management, HIID, 1985 to 2000

**Director,** International Tax Program, Harvard Law School 1989 to 1998

**Institute Associate**, Harvard Institute for International Development 1976 to 1980

**Lecturer on Economics**, Harvard University, 1976 to 2000

**Assistant Professor of Economics**, Harvard University, 1972 to 1976

Lecturer, Graduate Business School, University of Chicago, 1971 to 1972

**President,** Society for Benefit Cost Analysis, 2011 to 2012.

Vice-President, Society for Benefit Cost Analysis, 2010 to 2011.

**Assistant Deputy Minister**, Tax Policy and Legislation, Department of Finance, Government of Canada, August 1981 to August 1984.

**Associate Faculty Member:** Cyprus International Institute of Management, 1990 to 2006

**Development Planning Advisor,** U.N.D.P. - H.I.I.D., Government of Malaysia, October 1977 to October 1979

**Special Advisor on Investment Appraisal**, Departments of Industry Trade and Commerce, Government of Canada, January 1974 to January 1975.

# **Professional Memberships**

Society for Benefit Cost Analysis

American Economic Society

Canadian Economic Association

National Tax Association.

International Institute for Public Finance.

# **Research Activity**

### **Publications**

### **Refereed Journal Publications**

Evaluating the cost to industry of electricity outages, (with Majid Hashemi, Roop Jyoti and Aygul Ozbafli), *Energy Sources, Part B: Economics, Planning and Policy* (2018)

A comparison of stated preference methods for the valuation of improvement in road safety (with Naghmeh Niroomand) *Economic Analysis and Policy* 59 (2018) pp 138-149

The Pension Traps of North Cyprus, (with Hasan Ulas Altiok) *Turkish Studies*, (2018)

Social Impact Bonds: Implementation, Evaluation, and Monitoring, (with Foroogh Nazari Chamaki, and Majid Hashemi, *International Journal of Public Administration (Published Online January 2018)* 

An Economic Analysis for the Design of IPP Contracts for Grid-Connected Renewable Energy Projects (Sener Salci) *Renewable and Sustainable Energy Reviews, Volume 81, Part 2. January 2018, Pages 2410-2420* 

Taxing mobile capital in free trade zones to the detriment of workers, (with Chun-yan Kuo) *Asia Pacific Journal of Accounting and Economics (Published Online Oct 2017)* 

Estimating the Value of Life and Injury for Pedestrians Using a Stated Preference Framework (with Naghmeh Niroomand) *Journal of Safety Research* 62 (2017) 81-87

On-Grid Solar PV versus Diesel Electricity Generation in Sub-Saharan Africa: Economics and GHG Emissions (with Saule Baurzhan) *Sustainability* (March 2017)

Determination Of Socially Equitable Guarantees For PPPs: A Toll-Road Case from Turkey (with İlker Ersegün Kayhan) *Turkish Studies* (September 2016)

Managing the Cost Overrun Risks of Hydroelectric Dams: An Application of Reference Class Forecasting Techniques (with Omotola Awojobi) *Renewable & Sustainable Energy Reviews* 63 (2016) 12-32

"Estimating the willingness to pay for reliable electricity supply: a choice experiment study." (with Aygul Ozbafli), *Energy Economics*, 56(2016) 443

An Economic Appraisal of Solar Versus Combined Cycle Electricity Generation for African Countries That Are Capital Constrained (with Saule Baurzhan), *Energy and Environment*, 2016, Vol 27(2) 241-256

An Economic Analysis of Policies for Promoting Economically Efficient Water Heater Systems Operating Under Seasonal Climatic Conditions, (with Arif Yurtsev), *Energy and Environment*, 2016,

"Estimating the value of life, injury, and travel time saved using a stated preference framework." (with Naghmeh Niroomand), *Journal of Accident Prevention and Analysis*, 91(2016) 216-225

"Off-grid Solar PV: Is it an affordable or an appropriate solution for rural electrification in sub-Saharan African countries?" (with Saule Baurzhan), *Renewable & Sustainable Energy Reviews*, 60 (2016) pp1405-1418.

"Contract farming risks: a quantitative assessment." (with Arkins Kabungo), *South African Journal of Economics and Management Sciences* 19, (2016) pp 1-13.

"Cost-Effectiveness Analysis of Alternative Water Heater Systems Operating with Unreliable Water Supplies." (with Arif Yurtsev), *Renewable and Sustainable Energy Reviews 54*, (2016) pp 174-183

"Informality in a micro economy: Measurement, composition and consequences" (with M. Besim and T. Ekici) *International Labor Review*, Vol. 154 (2015) No 3

"The Willingness to Pay by Households for Improved Reliability of Electricity Service in North Cyprus." (with Aygul Ozbafli), *Energy Policy* 87, (2015) pp 359-369

"Consumer Preferences for Improvements in Mobile Telecommunication Services." (with Orhan Dagli), *Telematics and Informatics* (2015), 33(1): pp. 205-216.

"Were the Hydro Dams Financed by the World Bank from 1976 to 2005 Worthwhile?" (with Omotola Awojobi), *Energy Policy* (2015), 86: pp. 222–232.

"Measuring the Foreign Exchange Premium and the Premium for Non-Tradable Outlays for twenty Countries in Africa" (with Chun-Yan Kuo and Sener Salci), *South African Journal of Economics* Vol 88.2 June 2015.pp 269-285

"Innovation, Fiscal Prudence and Social Equity in the Social Security Reforms of Northern Cyprus" (with Hasan U. Altiok), *İktisat İşletme ve Finans*, Vol. 30, Issue: 349, April 2015, pp 77-83

"Musings on the Social Discount Rate" (with Arnold. C. Harberger), *Journal of Benefit-Cost Analysis*, March 2015, 6(01): pp. 6-32.

"Cost-Effective Infrastructure Choices in Education: Location, Build or Repair" (with Armin Zeinali), *South African Journal of Economics and Management Sciences*, Vol. 18, No. 1, March 2015, pp 70-83

- "Economic Repercussion of Opening the Border to Labour Movements between North and South Cyprus" (with Nuru Giritli and Sevin Ugural), *Economic Research-Ekonomska Istraživanja*, Vol. 27, No. 1, 2014 729–739.
- "An Economic Evaluation of Peru's Liquefied Natural Gas Export Policy" (with Leonard Leung), *Energy Policy*, Vol: 74, 2014, pp 643-654
- "Social security generosity, budgetary deficits and reforms in North Cyprus" (with Hasan Altiok) *Journal of Economic Policy Reform*, Vol. 10 1080/17487870, 2013
- "The Fiscal Burden of the Legacy of the Civil Service Pension Systems in Northern Cyprus", (with Hasan Altiok), *Journal of Pension Economics and Finance*, Volume 12: 01, 2013, pp 92-110
- "Risk Sharing In Hydropower Development: Case Study Of Chukha Hydel Project In Bhutan", (with DNS Dhakal), *Water Policy*, Vol. 15:S1 2013, pp 109-125
- "The Self-imposed embargo: customs-related transaction costs of North Cyprus" (with Bahro A. Berhan) *Applied Economics*, Vol. 44, 2012.
- "The Economics of Regulation and Taxation Policies for Casino Tourism" (with Hasret Benar) *Tourism Economics*, Vol 14, No 3, September 2008.
- "The Economics of Casino Taxation" (with Hasret Benar) Applied Economics, Vol 40, February 2008.
- "Information, Corruption, and Measures for the Promotion of Manufactured Exports" (with Chun-Yan Kuo) chapter 7 in *The Economics of Transparency in Politics*, edited by Albert Breton, Gianluigi Galeotti, Pierre Salmon, and Ronald Wintrobe, Ashgate Publishing Limited, Aldershot, Hampshire England, 2007
- "Evaluation of the Relative Impact of Fiscal Incentives and Trade Policies on the Return to Manufacturing in Taiwan 1955-1995," (with Chun-Yan Kuo) *Asian Economic Journal*, Vol. 21, No. 1, March 2007.
- "Fiscal Adjustment for Sustainable Growth in Belize", (with Chun-Yan Kuo) *Economic* and Sector Study Series RE2-06-020, Inter-American Development Bank, Washington DC, September 2006.
- "Evaluation of the Benefits of Transnational Transportation Projects" (with CY Kuo) *Journal of Applied Economics*, Vol. IX, No.1 May 2006. 1-17
- "The Economic Cost of "Clever" Tax Administration Ideas" (with Bahro Berhan), *Review of Social and Business Studies*, Vol 5/6, Fall 2004-2005 pp 89-104

- "The High Cost of Controlling GST and VAT Evasion" (with Bahro A. Berhan) Canadian Tax Journal, Vol. 53, No 3 October 2005
- "Tax Compliance: When do Employees behave like the Self-Employed?" (with Mustafa Besim) *Applied Economics*, June, 2005
- "An Operational Guide to the Estimation of the Economic Opportunity Cost of Labor in South Africa" (with Hasan Bicak, CY Kuo and Benjamin Mphahele) *The South African Journal of Economics* Vol. 72:4 December 2004.
- "The Economic Opportunity Cost of Capital in South Africa" (with CY Kuo and M. Benjamin Mphahele), *The South African Journal of Economics* Vol 71:3 September 2003.
- "Puerto Rican Migration: An Assessment of Quantitative Studies" (with Ricardo Godoy and Karishma Patel) *CENTRO Journal* vol.15, no 2, 2003
- "The Economic Cost of Foreign Exchange for South Africa" (with Arnold C. Harberger, Chun-Yan Kuo M. Benjamin Mphahlele). *The South African Journal of Economics*, Vol. 71:2 June 2003
- "Water Flow Risks and Stakeholder Impacts on the Choice of a Dam Site" Australian Journal of Agricultural and Resource Economics, June 2002.
- "Arnold Harberger's Contributions to Public Policy", *Proceedings of the 2001 Annual Conference on Taxation*, National Tax Association, 2002
- "Diagnostic and Proposals for the Reform of the Personal Income Tax System in North Cyprus" *Review of Social and Business Studies*, Fall 2001.
- "A VAT Revenue Simulation Model for Tax Reform in Developing Countries," *World Development*, April, 2000.
- "Costs and Pricing Policies Related to Transporting Water by Tanker from Turkey to North Cyprus," (with H.A. Bicak), *Access to Water in the Eastern Mediterranean*, D. Brooks and O. Mehmet eds, IDRC Books, Ottawa, 1999.
- "Evaluation of Stakeholder Impacts in Cost-Benefit Analysis," *Impact Assessment and Project Appraisal*," vol 17, number 2, June 1999.
- "Value Added Tax Policy and Implementation in Singapore," with Rup Khadka, *International VAT Monitor*, vol. 9 (no. 2), pp. 35-47, IBFD Publications, Amsterdam, The Netherlands, March/April 1998.
- "Tax Reform," with Robert Conrad, Graham Glenday, and Roy B. Kelly, pp. 147-174. In Assisting Development in A Changing World: The Harvard Institute for International

Development, 1980-1995, edited by Dwight H. Perkins, Richard Pagett, Michael Roemer, Donald R. Snodgrass, and Joseph J. Stern. Cambridge, MA: Harvard Institute for International Development, 1997.

"Project Analysis and the World Bank," *American Economic Review*, May 1997, 87(2), pp. 38-42.

"Linking East and West Bangladesh: The Jamuna Bridge Project" (with Gangadhar P. Shukla), *Canadian Journal of Program Evaluation*, University of Calgary Press, Canada, *Special Issue for 1997* (vol. 12), pp. 121-145.

"Puerto Rico and Section 936: A Costly Dependence" (with J. Tomas Hexner), in *Tax Notes International*, Arlington, Virginia, January 16, 1995.

"The Appraisal of Investment Projects: A Teaching Approach," *Journal of\_International Development*, Vol. 6, No. 1, John Wiley & Sons, Ltd., 1994.

"Modernization of Tax Administrations: Revenue Boards as an Instrument for Change," *Bulletin for International Fiscal Documentation*, Vol. 48, No. 2, IBFD Publications BV, Amsterdam, The Netherlands, February 1994.

"Voluntary Compliance with Tax Obligations: The Case for Taxpayer Service and Information," (with Edwin Forlemu), *Tax Administration Review* (No.12), Inter-American Center of Tax Administrators (CIAT) Executive Secretariat, Panama, with the Institute of Fiscal Studies of Spain (IEF), April 1993.

"Implications of Economic Transition and Demographics for Financing Pensions in the Former Socialist Economies," published in 1992 IIPF Proceedings - Public Finance, The Hague/Koenigstein, 1993.

"Administration Reform for Fiscal Systems in Transition Economies: The Case of Viet Nam," (with Seth E. Terkper) in *Tax Notes International*, Arlington, Virginia, March 29, 1993.

"Viet Nam's Tax Reforms: Policies in Transition Economies," (with Seth E. Terkper) in *Tax Notes International*, Arlington, Virginia, February 22, 1993.

"Privatization and Pension Reform in Transition Economies," 1991 IIPF Proceedings - Public Finance, The Hague/Koenigstein, 1992.

"Economic Reform and Institutional Innovation," in *Bulletin for International Fiscal Documentation*, Vol. 46, No. 12, IBFD Publications BV, Amsterdam, The Netherlands, December 1992.

"Market-Based Incentive Instruments for Pollution Control," (with Ranjit Lamech) in *Bulletin for International Fiscal Documentation*, Vol. 46, No. 11, IBFD Publications BV, Amsterdam, The Netherlands, November 1992.

"Fiscal Policies to Control Pollution: International Experience," (with Ranjit Lamech) in *Bulletin for International Fiscal Documentation*, Vol. 46, No. 10, IBFD Publications BV, Amsterdam, The Netherlands, October 1992.

"Puerto Rican Statehood: A Precondition to Sound Economic Growth", <u>Glosa Plebiscitaria</u>, edited by Idsa E. Alegria Ortega, Centro de Investigaciones Sociales Universidad de Puerto Rico, Facultad de Ciencias Sociales, 1991.

"Malaysia" (with Andrew Kwok-Kong Lai), chapter 3 in The Political Economy of Agricultural Pricing Policy, Vol. 2, Asia, edited by Anne O. Krueger, Maurice Schiff, Alberto Valdes, The Johns Hopkins University Press, 1991.

"Tax Reform: Lessons Learned", Chapter 11 in Reforming Economic Systems in Developing Countries, edited by Dwight H. Perkins and Michael Roemer, Cambridge, Massachusetts, Harvard University Press, 1991.

"Tax Shelter Finance: How Efficient is It?", in Policy Options for the Treatment of Tax Losses in Canada, Richard DeBoo Publishers, Toronto, 1991.

"The External Financing of Indonesia's Imports" (with Henry B.F. Lim), OECD Development Center, Paris, 1991.

"Tax Policy Issues in Emerging Market Economies", in Policy Forum on Economic Development in the Soviet Union and Eastern Europe: Implications for Canada, edited by Douglas Purvis, Policy Forum Series: The John Deutsch Institute for the Study of Economic Policy, Queens University: Kingston, Ontario, Canada, 1990.

"Tax Shelter Finance: How Efficient Is It?", in *Canadian Tax Journal*, Vol. 38, No. 2, March 1990.

"Trade, Protectionism and Industrial Adjustment: The Consumer Electronics Industry in North America," in Trade, Protectionism and Industrial Adjustment. North-South Institute and Institute for South-East Asian Studies, September 1989.

"Tax Changes Before Tax Policies: Sri Lanka, 1977-88," in Tax Reform in Developing Countries, edited by Malcolm Gillis, Duke University Press, 1989.

"Public Utility Finance and Pricing: A Reply," in *Canadian Journal of Economics*, XX, No. 1, February 1987.

"Costs and Consequences of the New Protectionism. The Case of Canada's Clothing Sector," in Modern Developments in Public Finance: Essays in Honor of Arnold Harberger, edited by Michael J. Boskin (New York: Basil Blackwell Inc., 1987).

"The Evolution of Sales Tax Reform in Canada," in Policy Forum on the Business Turnover Tax, edited by Robin Boadway and Jack Mintz, Policy Forum Series: The John Deutsch Institute for the Study of Economic Policy, Queen's University: Kingston, Ontario, Canada, August 1986.

"Social Goals and Basic Needs: Telephone Access", in Telecommunications and Equity: Policy Research Issues, ed. J. Miller, North-Holland, Amsterdam, The Netherlands, 1986.

"Financing Universal Access in the Telephone Network" (with M. Gillis and J. Leitzel), *National Tax Journal*, Vol. 39, No. 1, March 1986.

"The Impact of Inflation on Corporate Taxes and the Cash Flows of Business", *Canadian Tax Journal*, Vol. 33, No. 4, July-August 1985.

"Options for Dealing with Declining Industries", in Proceedings, National Economics Conference, March 22, 1985, Department of Finance, Ottawa, Canada.

"Public Utility Finance and Economic Waste", *Canadian Journal of Economics*, XVIII, No. 3, August 1985.

"On Measuring the Social Opportunity Cost of Foreign Exchange" (with C.Y Kuo), *Canadian Journal of Economics*, XVIII, No. 2, May 1985.

"Industrial Dislocation and the Private Cost of Labour Adjustment" (with G. Glenday), in *Economic Inquiry - Contemporary Policy Issues*, January 1984.

"Evaluation of Performance of Industrial Public Enterprises: Criteria and Policies" (with M.H. Lahouel), *Industry and Development*, No. 7, April 1983.

"Public Enterprise Finance in Developing Countries: Toward a Synthesis" (with M. Gillis and D. Lessard), in Public Enterprises in Less Developed Countries, edited by Leroy P. Jones, Cambridge University Press, Cambridge, Mass., 1982.

"Tax Incentives, Revenue Transfers and the Taxation of Income from Foreign Investment" (with A. Deutsch), in Tax Policy Options in the 1980s, edited by J. Whalley and W. Thirsk, Canadian Tax Foundation, Canadian Tax Paper Series, Toronto, 1981.

"The Taxation of Foreign Investment Income in Canada, the United States, and Mexico" (with D. Misir and G. Glenday), *Law and Contemporary Problems*, Vol. 44, No. 3, Summer 1981.

"Forestry Projects with Foreign Participation: An Overview of Policy Guidelines and Appraisal" (with M. Gillis), United Nations: Food and Agriculture Organizations 1981. Prepared in conjunction with FAO/SIDA Seminar on Planning Forestry Development, Santiago, Chile.

"On Measuring the Social Opportunity Cost of Permanent and Temporary Employment: A Reply" (with C.Y. Kuo), *Canadian Journal of Economics*, Vol. XIV, No. 4, November 1981.

"The Public-Sector Discount Rate for Canada: Some Further Observations", *Canadian Public Policy*, Vol. VII, No. 3, Summer 1981.

"Worker Adjustment to Liberalized Trade: Costs and Assistance Policies", World Bank Staff Working Paper No. 426, October 1980.

"Discount Rates for the Economic Appraisal of Public Sector Expenditures", *Canadian Public Policy*, Vol. VI, No. 3, Summer 1980.

"Investment Policy: Issues and Analysis" (with M. Gillis, R. Beals, and U. Peterson), Ch. 8 in M. Gillis and R. Beals, Tax and Investment Policies for Hard Minerals: Public and Multinational Enterprises in Indonesia, Ballinger Publishing Company, Cambridge, Mass., 1980.

"General Structure of Indonesian Mining Taxation" (with M. Gillis and R. Beals), Ch. 2 in M. Gillis and R. Beals, Tax and Investment Policies for Hard Minerals: Public and Multinational Enterprises in Indonesia, Ballinger Publishing Company, Cambridge, Massachusetts, 1980.

"Taxes and Tariffs and the Evaluation of the Benefit from Foreign Investment", *Canadian Journal of Economics*, Vol. XII, No. 3, August 1979.

"Estimating the Private and Social Opportunity Costs of Displaced Workers" (with Claude Montmarquette), *The Review of Economics and Statistics*, Vol. LXI, No. 2, August 1979.

"Principles of Performance Evaluation for Public Sector Enterprises", Development Forum, Malaysian Center for Development Studies, June 1979.

"An Operational Approach to the Performance Evaluation of Public Sector Enterprises", *Annals of Public and Cooperative Economy*, Vol. 50, No. 2, April-June 1979.

"On Measuring the Social Opportunity Cost of Permanent and Temporary Employment" (with C.Y. Kuo), *The Canadian Journal of Economics*, Vol. XI, No. 2, May 1978.

"Adaptation of System Expansion to Marginal Cost Based Rates Using a Load Simulation Model" (with John C. Evans), Canadian Electrical Association on Marginal Cost and Pricing of Electrical Energy, Montreal, Canada, May 1978, pp. 276-292.

"Performance Evaluation and Public Sector Enterprises: Cases from Latin America and Asia" (with M. Gillis), in Public Enterprise Investment, Prices, Costs, and Returns, P.K. Basu and A. Nove, editors, Kuala Lumpur, Asia and Pacific Development Administration Center, 1978.

"Alternatives for Mineral Tax Reform" (with M. Gillis, L. Wells, and B. Wright), in M. Gillis et al., Taxation and Mining, Ballinger Publishing Company, Cambridge, Massachusetts, 1978.

"The Macroeconomic Impact of the Mineral Exporting Sector on a Developing Economy" (with M. Gillis), in M. Gillis et al., Taxation and Mining, Ballinger Publishing Company, Cambridge, Massachusetts, 1978.

"An Evaluation of Alternative Tax Systems Applicable to the Mineral Industries", in Mineral Leasing as an Instrument of Public Policy, Crommeline, M. and Thompson, A.R., editors, University of British Columbia Press, Vancouver, 1977. It has been reprinted as, "How to Tax Mineral Extraction," pp.279-285 in Taxation in Developing Countries, editors Bird, R. and Oldman, O., Baltimore and London: The Johns Hopkins Press Ltd., 1990.

"Taxation of Income of Multinational Corporations: The Case of the U.S. Petroleum Industry" (with Brian Wright), *Review of Economics and Statistics*, February 1975.

"United States Taxation and the Incentive to Develop Foreign Primary Energy Sources", in Studies in Energy Tax Policies, Gerard Brannon, editor, Ballinger Publishing Co., Cambridge, Mass., 1975.

"International Taxation and the U.S. Multinational Petroleum Companies", statement in hearings before the committee on Ways and Means, U.S. House of Representatives, The Energy Crisis and Proposed Solutions, Washington, D.C., March 6, 1975.

"Measurement of the Gains and Losses from Foreign Investment", in Policy Formation in an Open Economy, edited by Robert A. Mundell and E. van Snellenburg, University of Waterloo, 1974, pp. 393-413.

"Tax Preferences and the Foreign Operations of the United States Petroleum Industry", statement in Report of Hearings to Committee on Foreign Relations, Subcommittee on Multinational Corporations, United States Senate, January 30, 1974.

"Rates of Return and Taxation for Private Capital in Canada", *Ontario Economic Review*, November/December 1972.

"Measurement of Rates of Return and Taxation from Private Capital in Canada", in Benefit-Costs Analysis, W.A. Niskanen et al., editors, Aldine, 1972.

#### **Books**

Cost Benefit Analysis for Investment Decisions, (with CY Kuo and A C Harberger) 600 pages Forthcoming.

Discount Rates for The Evaluation of Public Private Partnerships, edited by David F. Burgess and Glenn P. Jenkins, McGill-Queen's University Press, 2010, ISBN: 978-1-5339-163-0 (pbk.), ISBN: 978-1-55339-164-7 (bound)

Canadian Cost-Benefit Analysis Guide: Regulatory Proposals (with CY Kuo) Canada, Treasury Board of Canada Secretariat, Ottawa, ISBN 978-0-662-053-1, 2007.

Taxation and Development in Taiwan", (with CY Kuo and KN Sun), Harvard Studies in International Development, Harvard University Press, Cambridge MA, 2003.

Cost-Benefit Analysis (edited with Arnold C. Harberger), The International Library of Critical Writings in Economics, Edward Elgar Publishers, Cheltenham, UK, Northampton, MA 2002

"Reengineering Tax Systems in Low Income Countries: An Application to Nepal", (with Rup Khadka) Kluwer Law Publishers, The Hague, The Netherlands, (distributed in USA and Canada from Cambridge, MA), 2002

Project Development and Evaluation Manual, Republic of The Philippines, (with John C. Evans) National Economic and Development Authority (1999)

"Puerto Rican Statehood: A Precondition to Sound Economic Growth" (with J.Tomas Hexner, Helen F. Ladd and K. Russell LaMotte), International Institute for Advanced Studies, February 1993 (2nd Edition).

Information Technology and Innovation in Tax Administration, Kluwer Law International, The Hague, The Netherlands, (distributed in USA and Canada from Cambridge, MA), 1996.

Green Taxes and Incentive Policies: An International Perspective (with Ranjit Lamech), co-publication of the International Center for Economic Growth (ICEG) and the Harvard Institute for International Development, ICS Press, San Francisco, California, 1994.

Building Private Pension Systems (with Yves Guerard), co-publication of the International Center for Economic Growth (ICEG) and the Harvard Institute for International Development, ICS Press, San Francisco, California, 1993.

"Trade, Exchange Rate, and Agricultural Pricing Policies in Malaysia" (with Andrew Kwok-Kong Lai). World Bank, Comparative Studies Series, June 1989.

"Blue Gold: Hydro-Electric Rent in Canada" (with R. Zuker). Ottawa: Economic Council of Canada, Special Study Series, 1984. Exerpts reeprinted in The Economics of Industrial Water Use, ed. Steven Renzetti, Edward Elgar Publishing, UK (2000).

"Inflation: It's Financial Impact on Business in Canada, Ottawa: Economic Council of Canada", Special Study Series, 1979.

#### **Non-Refereed Publications**

"Social Impact Bonds: Implementation, evaluation and monitoring" (with Foroogh Nazari Chamaki), Development Discussion Paper 2016-04 Queen's University.

"Income Inequality and the Cost of Recessions" (with Mostafa Shahee), Development Discussion Paper 2016-03 Queen's University.

"Evaluating Minimum-Traffic Guarantees for PPPs in Turkey by Real-Option Pricing" (with Ilker Ersegun Kayhan), Development Discussion Paper 2016-02 Queen's University.

"Build-Operate-Transfer Projects in Turkey: Contingent Liabilities and Associated Risks" (with Ilker Ersegun Kayhan), Development Discussion Paper 2016-01 Queen's University.

"An Integrated Investment Appraisal of Cassava Starch Production in Rwanda: The Case of Kinazi Cassava Plant" (with Alice Nsenkyire, Mikhail Miklyaev, and Octave Semwaga), Development Discussion Paper 2015-10 Queen's University.

"Value of E-banking to Small and Medium-Sized Enterprises" (with Parvaneh Shahnoori), Development Discussion Paper 2015-09 Queen's University.

"Estimating the Value of Life, Injury, and Travel Time Saved Using a Stated Preference Framework" (with Naghmeh Niroomand), Development Discussion Paper 2015-08 Queen's University.

"An Economic Analysis of Policies for Promoting Economically Efficient Water Heater Systems Operating Under Seasonal Climatic Conditions" (with Arif Yurtsev), Development Discussion Paper 2015-07 Queen's University.

"Managing the Cost Overrun Risks of Hydroelectric Dams: An Application of Reference Class Forecasting Techniques" (with Omotola Awojobi), Development Discussion Paper

- 2015-06 Queen's University.
- "Consumer Preferences for Improvements in Mobile Telecommunication Services", (with Orhan Dagli), Development Discussion Paper 2015-05 Queen's University.
- "Were the Hydro Dams Financed by the World Bank from 1976 to 2005 Worthwhile?" (with Omotola Awojobi), Development Discussion Paper 2015-04 Queen's University.
- "Cost-Effectiveness Analysis of Alternative Water Heater Systems Operating with Unreliable Water Supplies" (with Arif Yurtsev), Development Discussion Paper 2015-03 Queen's University.
- "The Willingness to Pay by Households for Improved Reliability of Electricity Service" (with Aygul Ozbafli), Development Discussion Paper 2015-02 Queen's University.
- "Musings on the Social Discount Rate" (with Arnold C. Harberger), Development Discussion Paper 2015-01 Queen's University.
- "Off-grid Solar PV: Is it an Affordable or an Appropriate Solution for Rural Electrification in Sub-Saharan African Countries?" (with Saule Baurzhan), Development Discussion Paper 2014-06 Queen's University.
- "Accounting for Market Distortions in an Integrated Investment Appraisal Framework" (with Kemal Bagzibagli and Octave Semwaga), Development Discussion Paper 2014-05 Queen's University.
- "Solar versus Combined Cycle Electricity Generation in Capital Constrained African Economies: Which is Greener?" (With Saule Baurzhan), Development Discussion Paper 2014-02 Queen's University.
- "Economic Repercussions of Opening the Border to Labour Movements between North and South Cyprus" (with Nuru Giritli and Sevin Ogural), Development Discussion Paper 2014-01 Queen's University.
- "Honey Production In Ethiopia: A Cost-Benefit Analysis of Modern Versus Traditional Beekeeping Technologies" (with Mikhail Miklyaev), Development Discussion Paper 2013-17 Queen's University.
- "Designing Appropriate Financial Instruments for Modern Beekeeping in Ethiopia" (with Mikhail Miklyaev), Development Discussion Paper 2013-16 Queen's University.
- "An Integrated Appraisal of Irrigated Vegetable Production with Limited Land Holdings in Amhara Region, Ethiopia" (with Mikhail Miklyaev), Development Discussion Paper 2013-15 Queen's University.
- "A Cost-Benefit Analysis of Small Scale Red Haricot Beans Production in Ethiopia:

- intercropping as a Risk Diversification Mechanism" (with Mikhail Miklyaev and Katarzyna Pankowska), Development Discussion Paper 2013-14 Queen's University.
- "White Pea Beans Production In Ethiopia: Case of Limited Domestic Demand" (with Mikhail Miklyaev and Katarzyna Pankowska), Development Discussion Paper 2013-13 Queen's University.
- "Cost-Benefit Analysis of Small Ruminants Fattening with Feed Concentrates in the Highlands of Ethiopia" (with Mikhail Miklyaev), Development Discussion Paper 2013 12 Queen's University.
- "Cost-Benefit Analysis of Small Holders' Lambs and Goats Fattening Activity in Ethiopia" (With Mikhail Miklyaev), Development Discussion Paper 2013-11 Queen's University.
- "Economic Feasibility of a First-Mover Abattoir Establishment in Somali Region, Ethiopia" (With Mikhail Miklyaev), Development Discussion Paper 2013-10 Queen's University.
- "Cost-Benefit Analysis of a Milk Processing Plant for The Benefits of Pastoralists, Somali Region, Ethiopia" (With Mikhail Miklyaev), Development Discussion Paper 2013-09 Queen's University.
- "Taxing Mobile Capital in Free Trade Zones to the Detriment of Workers" (with Chun-Yan Kuo), Development Discussion Paper 2013-04 Queen's University.
- "An Economic Evaluation of Peru's LNG Export Policy" (with Leonard Leung), Development Discussion Paper 2013-03 Queen's University.
- "An Integrated Appraisal of Productivity Enhancing Interventions in Ethiopian Dairy Farming" (With Mikhail Miklyaev), Development Discussion Paper 2013-02 Queen's University.
- "A Cost-Effectiveness Analysis of Acute Malnutrition Treatment Using Ready to Use Therapeutic Foods", Development Discussion Paper 2012-06 Queen's University.
- "A Cost-Benefit Analysis of Local Production of Ready to Use Theraupetic Foods in Uganda" (With Mikhail Miklyaev), Development Discussion Paper 2012-05 Queen's University.
- "A Cost Benefit Analysis of Maize Production and Marketing in Uganda" (with Leonard Leung), Development Discussion Paper 2012-04 Queen's University.
- "The Pension Traps of Northern Cyprus" (With Hasan U. Altiok), Development Discussion Paper 2012-03 Queen's University.

- "Social Security Reforms in Northern Cyprus: Are They Fiscally Balanced and Socially Equitable?" (With Hasan U. Altiok), Development Discussion Paper 2012-02 Queen's University.
- "Power Purchase Agreements for Risk and Rent Sharing in Himalayan Hydropower Developments" (with D.N.S. Dhakal), Development Discussion Paper 2009-1 Queen's University.
- "Migration from Turkey and the Uncertainty of the Accession of Turkey to the EU" (with Demet Beton) QED Working paper, Queen's University August 2008.
- "Cost-Benefit Analysis Case Study on Regulations to Lower the Level of Sulphur in Gasoline" (with Chun-Yan Kuo, and Aygul Ozbafli), QED Working Paper Number 1134, Queen's University, Canada August 2007
- "The Economic Opportunity Cost of Capital for Canada An Empirical Update" (with Chun-Yan Kuo) QED Working Paper Number 1133 Queen's University, Kingston, On, Canada August 2007
- "Incidence of the WTO Anti-Discrimination Rules on Corporation Income Taxation" (Hatice Jenkins,) QED Working Paper Number 1123, May 2007
- "Measuring the Opportunity Cost to Industry of Electricity Outages" (with Roop Jyoti and Aygul Ozbafli) Working Paper 1066 Department of Economics, Queen's University, July 2007
- "Diagnosis of Indirect Taxes and the Taxation of International Trade in the Dominican Republic" (with Chun-Yan Kuo, and Andrey Klevchuk), Report Prepared for the Inter American Development Bank on behalf of the Government of the Dominican Republic, February 2007.
- "Expenditure Policies to Promote Growth: Cambodia" (with Andrey Klevchuk) Report prepared for the World Bank Cambodian Mission, September 2006.
- "Canadian Regulatory Analysis Guide", (with Chun-Yan Kuo), Privy Council Office, Government of Canada, February 2006.
- "Zambia Smallholder Agriculture Production: The Case of Paprika", Feasibility Case Study, Policy Analysis Case, Major Case, Modular Case Studies, Tradable Goods in the Context of Zambia, Non-Tradable Goods in the Context of Zambia, Summary of Integrated Appraisal, (with Arkins Mwila Kabungo), African Development Bank, Tunisia, January 2006.
- "Appraisal of Senegal Rural Water and Sanitation Program", Feasibility Case Study, Policy Analysis Case, Major Case, Modular Case Studies, Tradable Goods in the Context of Senegal, Non-Tradable Goods in the Context of Senegal, Summary of Integrated

Appraisal, (with Zakaria Bellot), African Development Bank, Tunisia, January 2006.

"Regional African Satellite Project", Feasibility Case Study, Policy Analysis Case, Major Case, Modular Case Studies, Summary of Integrated Project Appraisal Methodology, (with Tumani Dembajang), African Development Bank, Tunisia, October 2005.

Appraisal of El-Kureimat Combined Cycle Power Plant", Feasibility Case Study, Policy Analysis Case, Major Case, Modular Case Studies, Summary of Integrated Project Appraisal Methodology, Estimation of Economic Price for Tradable, (with Andrey Klevchuk), African Development Bank, Tunisia, October 2005.

"Fiscal Adjustment for Sustainable Growth in Belize", (with Chun-Yan Kuo), Inter-American Development Bank, October 2005.

"Economic Implications of Measures to Bring the Dominican Republic into Compliance with the World Trade Organization (WTO) Rules Concerning the Operation of Free Zones", Government of the Dominican Republic, February 2005.

"The Taxation and Regulation of Casino's and Games of Chance in the Dominican Republic", (with Chun-Yan Kuo), Government of the Dominican Republic, August 2004.

"Tax Expenditures in the Dominican Republic", (with Chun-Yan Kuo), Government of the Dominican Republic, July 2004.

"Is the VAT Regressive in the Dominican Republic?", (with Chun-Yan Kuo), Government of the Dominican Republic, July 2004.

"Fiscal Adjustment for Sustainable Growth in the Dominican Republic", (with Hector Guiliani Cury and Chun-Yan Kuo), Government of the Dominican Republic, March 2004.

"A Review of the Fiscal System of Belize", (with Chun-Yan Kuo), Inter-American Development Bank, September 2002

"Economic integration and the Transformation of the Tax Mix: Cyprus 1990 2001" (with George G. Poufos), Presented at the Tax Workshop, Trade and Integration Network of the Inter-American Development Bank, Washington DC, September 18 and 19, 2002

Information, Corruption, and Measures for the Promotion of Manufactured Exports, Paper presented at Villa Colombella Group Conference, Sept 4-7, 2002.

"Evaluation of the Benefits of Transnational Transportation Projects" (with CY Kuo) Department of Economics, Queen's University March 2002

"Evaluation of the Olifants-Sand Water Transfer Scheme in the Northern Province of

South Africa (with A Klevchuk) Department of Finance, Economic Affairs and Tourism, Government of Northern Province, South Africa, Feb 2002.

The Economic Opportunity Cost of Labor in South Africa" (with H A Bicak and H. Jenkins) Department of Finance, Economic Affairs and Tourism, Government of Northern Province, South Africa, Feb 2002.

"Social Capital and the Social Evaluation of Investments" (with Hatice Jenkins), Easter Mediterranean University, October 2001.

"Review of the value added tax in Northern *Cyprus*" Eastern Mediterranean University, October 2001.

"Institutions, corruption, and fiscal measures for the promotion of manufactured exports" (with Chun-Yan Kuo), Paper presented at the Annual Conference of the International Institute for Public Finance, Linz Austria, August 2001

"A strategy for the encouragement of foreign investment in the Kyrgyz Republic" (with Ignatius Peprah), Paper prepared for the Ministry of Finance, Kyrgyz Republic and the World Bank, March 2001.

"A strategy for the enhancement of the tax system in the Kyrgyz Republic" (with Ignatius Peprah), Paper prepared for the Ministry of Finance, Kyrgyz Republic, and the World Bank, March 2001.

"Economic Aspects of Foreign Financing", Presented at Conference on, Globalization and the Knowledge-Economy, Malaysian Institute of Economic Research Conference, Kuala Lumpur, Malaysia January 30-31, 2001

"Rational for Public Sector Intervention in the Energy Sector" (with Ellen Seidensticker), World Bank Energy Division, World Bank, Washington, January 2001

"Central-Local Fiscal Relations in Low-Income Countries: The Case of Nepal" (with Roy Kelly and Rup Khadka), CAER II Discussion Paper 69, Harvard Institute for International Development, Cambridge, September 2000.

"Modernization of Tax Administration in Low-Income Countries: The Case of Nepal" (with Rup Khadka), CAER II Discussion Paper 68, Harvard Institute for International Development, Cambridge, September 2000.

"Reform of Domestic Indirect Tax Systems in Low-Income Countries: The Case of Nepal" (with Rup Khadka), CAER II Discussion Paper 67, Harvard Institute for International Development, Cambridge, September 2000.

Evaluation of Stakeholder Impacts in Project Appraisal: The Jamuna Bridge, Transportation and Poverty Seminar, June 13, 2000. The World Bank Transportation

### Division, Washington D.C

- "Resource Costs, Resettlement Costs, and Political Constraints in the Choice of Dam Locations" (with Hasan Ali Bicak, and Ali Ozdemirag) DDP 750, Harvard Institute for International Development, January, 2000
- "An Analysis of Electricity Generation and Tariff Options in Ghana," (with Mario Marchesini), DDP 702, Harvard Institute for International Development, May 1999.
- "An Integrated Analysis of a Power Purchase Agreement," with Henry B.F. Lim, DDP 692, Harvard Institute for International Development, April 1999.
- "Control of Water and Coastal Pollution: An Appraisal for Espirito Santos Brazil," (with Migara Jayawardena and GP Shukla), DDP 682, Harvard Institute for International Development, March 1999.
- "Costs and Pricing Policies Related to Importing Water to North Cyprus from Turkey by a Tanker," with Hasan Ali Biçak, DDP 689, Harvard Institute for International Development, March 1999.
- "Evaluation of Investments for the Expansion of an Electricity Transmission System," with Henry B.F. Lim and Gangadhar P. Shukla, Harvard Institute for International Development, DDP 688, March 1999.
- "Evaluation of Investments for the Expansion of an Electricity Distribution System," with Henry B.F. Lim, DDP 670, Harvard Institute for International Development, December 1998.
- "Estimation of the National Parameters for Economic Cost-Benefit Analysis for the Philippines," w/Chun-Yan Kuo, Harvard Institute for International Development, DDP 653, September, 1998
- "Tax Reform in Singapore," with Rup Khadka, DDP #644, Harvard Institute for International Development, July 1998.
- "Evaluation of Stakeholder Impacts in Cost-Benefit Analysis," DDP #631, Harvard Institute for International Development, April 1998.
- "Which Policies are Important for Industrialization: The Case of Taiwan", (with Chun-Yan Kuo), DDP-TRS #594, Harvard Institute for International Development, July 1997.
- "A VAT Revenue Simulation Model for Tax Reform in Developing Countries", (with Chun-Yan Kuo), DDP #522 TRS #26, Harvard Institute for International Development, August 1995.

"Evaluation of Small Holders Tomato Paste Project in the Philippines", (with Pastor Lorenzo, Jr. and Gangadhar P. Shukla), International Institute for Advanced Studies, April 1995.

"Perspectives for Tax Policy Reform in Latin America in the 1990's", Development Discussion paper #505 (Harvard Institute for International Development) – Tax Research Series #22 (Harvard International Tax Program), March 1995.

"Value Added Taxation: The Policy Issues," Harvard Institute for International Development, 1994.

"Evaluation of Water Supply Expansion: The Manila South Water Distribution Project", (with Pastor Lorenzo, Jr. and Mostafa Baher El-Hifnawi), International Institute for Advanced Studies, February 1995.

"Port Rehabilitation and Expansion: The Makar Project in the Philippines", (with Pastor Lorenzo, Jr.), Harvard Institute for International Development, December 1994.

"Farmer Participation, A Key Input to Success: The Visayas Communal Irrigation Project", (with Pastor Lorenzo, Jr. and Theresa Panuccio), Harvard Institute for International Development, December 1994.

Tax Policy Design for Industrial Development in Sri Lanka" (with Alberto Barreix), Harvard Institute for International Development, September 1992.

"A Methodology for the Estimation of Economic Prices for Investment Appraisal". Prepared for Economics and Development Resource Center, Project Economic Evaluation Division, Asian Development Bank, Harvard Institute for International Development, June 1992.

"International Trade in Energy: The Chukha Hydroelectric Project in Bhutan" (with D.N.S. Dhakal), Discussion Paper No. 412, Harvard Institute for International Development, November 1991.

"Tax Policies for Industrial Development" (with Dale Chua), Harvard Institute for International Development, October 1991.

"Market Competitiveness, Economic Return and Risk: The Case of the Limassol Juice Company" (with Andreas P. Andreou and Savvakis C. Savvides), Development Discussion Paper No. 380, Harvard Institute for International Development, July 1991.

"Resource Taxation and Project Feasibility: The Misma Gold Mine, Papua New Guinea" (with G.P. Shukla), Development Discussion Paper No. 367, Harvard Institute for International Development, January 1991.

"Assessment of the Porto Irini Project Concept", The Cyprus Development Bank Limited, Consultancy Division, March 1990.

"Fiscal Policies for the Mineral (Gold) Sector in the Pacific Islands" (with G.P. Shukla), Harvard Institute for International Development, March 1990.

"Puerto Rico's Transition to Statehood: Public Finances and the Implications of IRS Section 936 Preferences" (with J. Tomas Hexner), 22 November 1989.

"Tourism, Environment, and Profitability: The Case of the Paphos Holiday Complex" (with Andreas P. Andreau and Savvakis C. Savvides), Development Discussion Paper No. 330, Harvard Institute for International Development, November 1989.

"An Examination of Public Sector Finances in Central America" (with Carlos R. Gutierrez), Development Discussion Paper No. 278, Harvard Institute for International Development, January, 1989.

"Pragmatism and Stability: The Political Economy of Agricultural Pricing Policies in Malaysia, 1960-1983" (with Andrew Kwok-Kong Lai), Harvard Institute of Economic Research Discussion paper No. 275, August, 1988.

"Do Those Unemployed Longer Work Longer?" (with Graham Glenday), Development Discussion Paper No. 274, Harvard Institute for International Development, August, 1988

Taxation, Inflation, and the Performance of Capital in Canada, (Manuscript), 1987.

"Cost Effectiveness of After-Tax Financing: Flow-Through Shares in Canada." Discussion Paper 1987, Economic Council of Canada, Ottawa.

"The Role and Economic Implications of the Canadian Dividend Tax Credit", Discussion Paper No. 307, Economic Council of Canada, June 1986.

"Taxation of State-Owned Enterprises," Development Discussion Paper No. 225, Harvard Institute for International Development, April 1986.

Comments on paper, "The Incidence of World Taxes and Natural Resources", American Economic Association Meeting, San Francisco, California, December 28, 1984.

"The Role of Canadian and American Monetary Policy in the Determination of Interest Rates in Canada" (with H.B.F. Lim), Harvard Institute of Economic Research Discussion Paper No. 326, October 1983.

"An International Comparative Analysis of the Taxation of the Steel Industry". Report prepared for the United States Treasury, Office of International Tax Affairs, August 1981.

"An Evaluation of the Impact of Alternative Tax Policies on the Profitability of Investments in Wheat, Corn, and Soybean Production: An International Comparison" (with C. Williamson). Reports prepared for the United States Treasury, Office of International Tax Affairs, August 1981.

"Patterns in the Duration of Unemployment and Employment (with G. Glenday). Report prepared for the Task Force on Labour Market Development, Canada Employment and Immigration Commission, Ottawa, Technical Study No. 12, August 1981.

"Labour Adjustment: An Overview of Problems and Policies" (with G. Glenday). Report prepared for the Task Force on Labour Market Development, Canada Employment and Immigration Commission, Ottawa, June 1981.

"The Employment Experience of the Unemployed" (with G. Glenday). Report prepared for the Task Force on Labour Market Development, Canada Employment and Immigration Commission, Ottawa, Technical Study No. 13, June 1981.

"The Unemployment Experience of Individuals" (with G. Glenday). Report prepared for the Task Force on Labour Market Development, Canada Employment and Immigration Commission, Ottawa, May 1981.

"Government Borrowing and the Response of Consumer Credit in Canada" (with M. Mescher). Report prepared for Project Assessment and Evaluation Branch, Department of Regional Economic Expansion, Government of Canada, March 1981.

"Inflation and Taxation" (with N.H. Lahouel). Paper presented to CIAT Conference on Tax Policy and Administration, Caracas, Venezuela, February 24-26, 1981.

"Development of Indices of Mining and Non-Mining Costs for Taxation of Natural Resources in Bolivia". Paper prepared for the World Bank, December 1980.

"The Cost of U.S. Direct Foreign Investment" (with J.C. Evans), Development Discussion Paper No. 104, Harvard Institute for International Development, November 1980.

"Empirical Issues Related to the Measurement of the Social Opportunity Cost of Capital in Canada", submission to National Energy Board Hearing No. GH-4-79, Ottawa, Canada, October 1979.

"Performance Evaluation and Public Sector Enterprises", Development Discussion Paper No. 46, Harvard Institute for International Development, November 1978.

"Inflation and Cost-Benefit Analysis", Development Discussion Paper No. 45, Harvard Institute for International Development, September 1978.

"An Economic Evaluation of Foreign Financing and Investments in Canada" (with J.C. Evans), Department of Regional Economic Expansion, April 1977.

"An Estimation of the Expected Real Interest Rate and the Inflation Component of the Nominal Interest Rate for Long-Term Industrial Bonds", prepared for Project Evaluation Group, Department of Regional Economic Expansion, Government of Canada, December 1976.

"The Impact of Inflation, Taxation, and Accounting Practices on the Evaluation of Private and Social Rates of Return to Capital in Canada". Paper presented to conference on Measurement of the Rate of Return to Capital, London, March 18, 1975.

"Foreign Tax Credits and the International Interdependence of Corporate Tax Policies" (with A. Deutsch), Harvard Institute of Economic Research Discussion paper No. 384, September 1974.

"Economic Rents, Regulations and Tax Incentives in the Canadian Petroleum Industry", Harvard Institute of Economic Research Discussion Paper No. 341, February 1974.

"A Forecasting Model of the Canadian Economy", Staff Technical Paper No. 2, Economic Planning Branch, Policy Planning Division, Department of Treasury and Economics, Government of Ontario, January 1971.

### **Technical Reports**

"Willingness to Pay for Electricity in Nepal", Final Study report (with Naghmeh Nirommand) Millennium Challenge Corporation, April 2017 (400 pages)

"Integrated Investment Appraisal: Concepts and Practice", Manuscript Prepared for Department of Finance and Economic Development, Limpopo Provincial Government, Republic of South Africa (May 2005) 738 pages

"Economic Parameters for The Appraisal of Investment Projects: Bangladesh, Indonesia and The Philippines", (with Mostafa Baher El-Hifnawi), report for Asian Development Bank, Manila, 1993.

"Economic and Social Analysis of Public Investment Projects." Vol. III: Course Manual with Case Exercises; and Vol. IV: Cases, Exercises and Solutions. Kuala Lumpur, National Institute of Public Administration, August 1979.

"Preparation and Financial Analysis of Public Investment Projects", Vol. 1: Course Manual with Case Exercises; and Vol. 2: Cases and Solutions Kuala Lumpur, National Institute of Public Administration, August 1978.

"Trade Adjustment Assistance: The Costs of Adjustment and Policy Proposals" (with John C. Evans, Graham Glenday and Claude Montmarquette). Report prepared for Economic Analysis Branch, Department of Industry, Trade and Commerce, Government of Canada, March 1978 (292 pages).

"The Environmental Assessment Act's Impact on Business in Ontario" (with John C. Evans and Richard W. Bodell). Report prepared for the Ministry of Industry and Tourism, Government of Ontario, November 1977 (150 pages).

"Capital in Canada: Its Social and Private Performance", Economic Council of Canada, October 1977 (279 pages).

## **Presentations**

#### Conferences

Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2017 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2017 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2016 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2015 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2014 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2013 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2012 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2011 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2010 Society for Benefit Cost Analysis Annual Meetings, Washington DC March 2009

#### **Invited Seminar Presentations**

About 20 over the past 5 years

# Teaching, Curriculum Development and Supervision

# **Teaching and Curriculum Development**

#### **Queen's University**

Design Program on Investment Appraisal and Risk Analysis Annually and Participate in Teaching of It.

## **Graduate Courses (Eastern Mediterranean University):**

Two course graduate sequence in Microeconomics

Graduate courses in Investment Appraisal and Project Finance

## **Supervision**

## **PhD Thesis Supervision**

**Kayhan, Ilker Ersegun (December 2016)** Evaluation of Minimum-Traffic Guarantees as Real Options Using CAPM and Monte Carlo Simulations. Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Kabungo, Arkins Mwila, (June 2016)** Contract Farming Its Promises and Its Risks: A Quantitative Analysis. Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Naghmeh Niroomand, Naghmeh (May 2016)** Estimating the Willingness to Pay for Improving Road Safety in the Turkish Republic of Northern Cyprus. Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Dagli, Orhan (May 2016)** Estimating Willingness to Pay for Improvements in Mobile Services, Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Leung, Leonard (April 2016)** Three Essays on Economic Development in the Natural Resources Sector, Queen's University, Kingston, Canada.

Yurtsev, Arif (November 2015) A Cost-Effective and an Economic Analysis of Alternative Water Heating Systems in North Cyprus Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Awojobi, Omotala (September 2015)** An Analytical Framework for Cost and Schedule Planning in the Construction of Hydropower Projects, Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Bauzhan, Saule (September 2015)** The Electricity Economics of Solar Powered Electricity Generation for Augmenting Grid Electricity Supply and Rural Electrification, Eastern Mediterranean University, Gazimagusa, North Cyprus.

Kashi, Bahman Hossein (May 2015) "Risk Management of Investments in the Electricity Sector" Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Shahee, Mostafa (September 2014)** "Income Distribution and the Business Cycle" Eastern Mediterranean University, Gazimagusa, North Cyprus.

Altiok, Hasan (December 2011) "Evaluation of The Legacy of The Pension Systems in Northern Cyprus And The Assessment of Current And Prospective Reforms" Eastern Mediterranean University, Gazimagusa, North Cyprus.

**Beton, Demet (March 2011)** "Migration Issues: Turkey and The European Union" Eastern Mediterranean University, Gazimagusa, North Cyprus.

Alvan, Arzu (August 2009) "Sources of Growth in Turkish Manufacturing Industries: The Two Deflator Growth Accounting Approach" Eastern Mediterranean University, Gazimagusa, North Cyprus.

Berhan, Bahro (September 2006) "The Compliance Costs of VAT Refund Systems and The Compliance Costs of International Trade" Eastern Mediterranean University, Gazimagusa, North Cyprus.

Benar, Hasret, (September 2006) "Economics of Casino Taxation and Regulation" Eastern Mediterranean University, Gazimagusa, North Cyprus

Barreix, Alberto, (August 2003) "Rates of Return, Taxation, and the Economic Cost of Capital in Uruguay" Harvard University, Cambridge, MA, USA.

**Tuan Minh Le, (November 2002)** "Evaluation of the Impact of Tax Policies towards Foreign Direct Investment in Vietnam" Harvard University, Cambridge, MA, USA.

Korman, Vijdan (March, 2002), "Willingness to Pay for Water Improvements in Famagusta", North Cyprus, Ph.D. Dissertation, Northeastern University, Boston, MA, USA.

**Taliercio, Robert (August. 2000),** "Administrative Reform as Credible Commitment: The Design, Sustainability, and Performance of Semi-Autonomous Revenue Authorities in Latin America", Harvard University, Cambridge, Massachusetts.

**Snelbecker, David** (May,1999), "Pension Reform in Economies with Large Informal Sectors: The Case of Ukraine" Harvard University, Cambridge, Massachusetts

Casto-Salazar, Rene (1999), "Valuing the Environmental Service of Permanent Forest Stands to the Global Climate: The Case of Costa Rica," Harvard University, Cambridge, Massachusetts

**Joyti, Roop** (1998), "Appraisal of Management Strategies for Addressing Uncertainties in Power Supply in the context of Nepalese Manufacturing Enterprises," Harvard University, Cambridge, Massachusetts.

**Shugart, Christopher Thurman** (May, 1998), "Regulation by Contract and Municipal Services: The Problem of Contractual Incompleteness," Harvard University, Cambridge, Massachusetts.

**El-Hifnawi, Mostafa Baher** (September, 1996), "Transportation Options in Developing Cities: The Case of Monterrey, Mexico," Harvard University, Cambridge, Massachusetts.

**Forlemu, Edwin Nembo** (June 1995), "Designing and Implementation of the Value-Added-Tax in Developing Countries: A suggested Approach for Cameroon," Harvard University, Cambridge, Massachusetts.

**Shukla, Gangadhar Prasad** (November, 1992), "Taxation of Exhaustible Natural Resources with Stochastic Prices," Harvard University, Cambridge, Massachusetts.

**Lee, Chang Hee** (September, 1992), "Toward a Small Country Theory of Designing An In-bound Income Tax System and Interpreting Tax Treaties: A Case Study of U.S.A-Korea Economic Relationship," Harvard University, Cambridge, Massachusetts.

**Rosengard, Jay K.** (May, 1992), "Building on a Land Mine: Property Tax Reform in Developing Countries," Harvard University, Cambridge, Massachusetts.

**Bahk, Jaewan** (March, 1992), "Interdependent Behaviors of Taxpayers and Tax Officials: Models, and Some Evidences form Korea," Harvard University, Cambridge, Massachusetts.

**Dhakal, D. N. S.** (April, 1990), "Hydropower Development in Bhutan: An Analytical Framework for Evaluating Prospects and Strategy," Colorado School of Mines, Golden, Colorado.

Wong, Chi-Nang (May, 1988), "Financial and Economic Viability of Smallholder Cocoa Production in Peninsular Malaysia," University of Hawaii. Honolulu, USA.

**Baudot, Nadine** (October, 1986), "An Analysis of Tax Distortions: The Case of the Canadian Federal Sales Tax," Harvard University, Cambridge, Massachusetts.

**Sawchuk, Gary David** (1986), "The Canadian Color Television Manufacturing Industry: A Study of Imports, Government Policy and Industrial Adjustment," University of Manitoba, Winnipeg, Canada.

**Kelly, Roy Brooks** (September, 1985), "Foreign and Domestic Investment in Indonesia: A Sectoral and Spatial Analysis," Harvard University, Cambridge, Massachusetts.

**Glenday, Graham** (December, 1982), "Labor Adjustment and Trade Liberalization: Costs and Adjustment Policies in the Canadian Context," Harvard University, Cambridge, Massachusetts.

**Peprah, Ignatius** (June, 1981), "A Model for Multilateral Exchange Rate Determination with Implications for Pegging of Currencies of LDCs.," Harvard University, Cambridge, Massachusetts.

**Lahouel, Hedi, Muhamed** (1981), "Export Instability and the Developing Countries," Harvard University, Cambridge, Massachusetts.

Lim, B.F. Henry (1979), "Cost-Benefit Analysis for Peak- Load pricing and Load Management," University of Chicago, Chicago, Illinois.

**Evans, C. John** (March, 1978), "The Social Opportunity Cost of Labor in Canada," University of Chicago, Chicago, Illinois.

**Lee, Chul-Heui** (November 1976), "Export Promotion and Economic Development in Korea: 1962-1973," Harvard University, Cambridge Massachusetts.

**Borins, F. Sanford** (September 1976), "The Economics of Airport Planning: The Case of Toronto," Harvard University, Cambridge, Massachusetts.

**Thorsten, Richard Weihe** (1976), "Resource Depletion and Federal Price Regulation of Natural Gas," Harvard University, Cambridge, Massachusetts.

**Wright, Brian Davern** (January, 1976), "The Taxation of Petroleum Production," Harvard University, Cambridge Massachusetts.

**Reboucas, Osmundo E.** (1975), "International Effects of Economic Policies: Multi-General Equilibrium Estimates for Brazil," Harvard University, Cambridge, Massachusetts

## **MA Essay Supervision**

**Lafaw Dara Bayiz** (**September 2018**) Integrated Investment Appraisal of a 400 Bed Hospital Project in the Kurdistan Region of Iraq Using FAST Modeling Standards.

**Fereshteh Pourmohammadi** (March 2017) Domestic Production of Ready to Use Therapeutic Food (RUTF) for Improved Nutrition, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Adnan Saddique** (**February 2017**) Analysis of an Integrated Combined Power Cycle Plant in Egypt, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Primrose Basikiti** (**February 2017**) An Investment Appraisal of Paddy Irrigation: A Case of Senegal River Valley, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Simon Tsorai (January 2017)** An Analysis of the Ethiopian and Rwanda Dairy Projects, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Yousef Nairoukh** (January 2017) An Integrated Investment Appraisal of Boiler Production in Rwanda, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Victory Avoku Obajaja** (**November 2016**) An Assessment of the Financial and Economic Feasibility of a Fertilizer Manufacturing Facility in Nigeria, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Hazhar Khalid Ali (June 2016)** Integrated Investment Appraisal of a Steel Manufacturing/Electricity Co-generation Electricity Project, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Amirreza Botlani Esfahani (February 2016) A Financial And Economic Appraisal Of Capital Investment In Jijiga Export Slaughter House, Somali Region, Ethiopia, Using FAST Modeling Standards, Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Foroogh Nazari Chamaki (February 2015)** "What is a Social Impact Bond? How to Implement it? How to Evaluate and Monitor it?" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Faranak Solaymani Zadeh (February 2015)** "Personal Income Tax and Revenue Forecasting of North Cyprus", Department of Economics, Eastern Mediterranean University, North Cyprus.

Alice Nsenkyire (February 2015) "An Integrated Investment Appraisal of the Cassava Starch Production in Rwanda: The Case of Kinazi Cassava Plant" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Roksana Ghanbariamin** (**February 2015**) "Estimating the Economic Opportunity Cost of Capital for Kenya", Department of Economics, Eastern Mediterranean University, North Cyprus.

**Shahryar Afra** (**September 2014**) "Financial Analysis of Mining Investments Employing FAST Modeling Standard", Department of Business Administration, Eastern Mediterranean University, North Cyprus.

Octave Semwaga (June 2014) "An Investment Appraisal for a Government Funded Irrigation Project", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Seyedmajid Hashemi (August 2013)** "Financing and Risk Management of Investments in Mining Sector", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**amuel Ajeigbe Owolabi (May 2013)** "An Investment Appraisal of Cogeneration of Electricity Using Bagasse", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Alaleh Abbasighadi (February 2013)** "A Cost-Benefit Analysis of a Reverse Osmosis Desalination Plant with and without Advanced Energy Devices", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Roshan Taheri Bonab** (February 2013) "Investigation of Regulatory Risk Implications through Cost-Benefit Analysis: A Water Supply Network Case in Poland", Department of Civil Engineering, Eastern Mediterranean University, North Cyprus.

**Azam Ghorbani (January 2013)** "Evaluation of Methodology for Private Equity Funds in Africa", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Maxine Cunningham (Sept 2012)** Cost Benefit Analysis – The integration of a Solar versus a combined Cycle Plant, Department of Economics Queen's University, Kingston, Ontario, Canada.

**Sabina Bayverdiyeva (May 2012)** "Project Appraisal and Risk Analysis of Biodiesel Expressing and Refinery Plant in Africa", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Alexious Machimbirike** (May 2012) "A Cost Benefit Analysis of Two Alternative Traffic Lights Systems for the Colorful City of Zamzam", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Amir Hossein Seyyedi (September 2011) "Developing a Project Finance Structure and Power Purchase Agreement for an Independent Private Power Plant Project", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Mandana Bahrami (September 2011)** "Investment Appraisal of a River Cargo Transportation Company", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Hossein Yousefian (June 2011)** "Investment Appraisal of a Mobile Phone Company: Zoom Mobile Network", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Armin Zeinali (January 2010)** "Infrastructure Choices In Education In South Africa: Location, Build Or Repair", Department of Economics Queen's University, Kingston, Ontario, Canada.

**Jonas Durand** (**June 2009**) "An Integrated Investment Appraisal of a Greenfield Cement Plant in Cameroon", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Sener Salci** (June 2009) "The Economic Cost of Foreign Exchange and Shadow Price of Non–Tradable Outlays for West African Economic & Monetary Union, Department of Economics", Eastern Mediterranean University, North Cyprus.

**Nwin-Anefo Fru Asaba** (**February 2009**) "An Integrated Appraisal of a Portland Cement Plant" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Hesam Aldin Shahrivar (September 2008)** "The Analysis of Development Impacts: The Case of a Sugar Complex" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Arif Yurtsev (September 2008)** "A Cost-Effective Analysis of Solar versus Conventional Electric Supply for Street Lighting", Department of Economics, Eastern Mediterranean University, North Cyprus.

**Farai Kanonda (May 2008)** "Evaluation of the Economic Benefits to Peru from Liquefied Natural Gas Exports" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Armin Zeinali (June 2008)** "Prioritizing infrastructure Investments in Education" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Gift Kozapi (March 2008)** "An Integrated Appraisal of a Five-Star Hotel Investment in Uganda: The Case of Kampala Hilton Hotel" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Remzi Serafimov** (August 2007) "Individual Pension System in Turkey and Structural Changes in the State Social Security Program" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Cemal Egemen** (June 2007) "An Assessment of the Future Fiscal Impacts of the Pension System in North Cyprus" Department of Economics, Eastern Mediterranean University, North Cyprus.

Arkins Mwila Kabungo (June, 2007) "Appraisal of the Zambia Smallholder Agriculture Production and Marketing Support Project: The case of Paprika" Department of Economics, Eastern Mediterranean University, North Cyprus.

Elsa Tomja, (May, 2007) "Good Practices in Management of Contingent Liabilities in PPP Infrastructure Projects: The case of Transport Sector" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Menang, Akong (September 2006) "An Appraisal of El-Kureimat Combined Cycle Power Plant in Egypt" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

McHugh, Darren (September 2006) "Selected Topics In The Cost-Benefit Analysis of An Olympic Games" Department of Economics, Queen's University, Kingston, Ontario.

Majid Asadi Safa (July 2006) "Role of Real Option Analysis in Investment Appraisal A Case Study of Rascom Star-QAF Project

**Kamiler, M. I.** (September 2006) "Financial and Economic Analysis of the Capital Gains Exemption from the Sale of Real Estate and Participation Shares in Turkey" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Hayat, Khizar**, (June 2006) "Cost-Benefit Analysis of Health Sector Projects: A Case Study of Benguet General Hospital in the Philippines", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus

Marinela Avdullaj (June 2006) "Monte Carlo Analysis and its Use in the Public Private Partnership Projects

**Mohamed Ahmed Sesay, (February 2006)** "The expansion of a Pineapple Plantation in Ghana" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Blerina Mucaj, (January 2006)** "Efficiency of Pension Funds Management in OECD Countries: Registered Retirement Saving Plan in Canada" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Munkhtuul Batbaatar**, (**June 2005**) "Visayas Communal Irrigation Project Appraisal in Philippines" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Hedieh Kiany Fard, (June 2005) "The Impact of Government Policies on the Labour Market in South Africa" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Maida Hamzic**, (**May 2005**) "The Evaluation of Economic Implications of the World Trade Organization Reforms on Free Trade Zones: The Case of the Dominican Republic" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Starzenski, Nahuel Arruda**, "The Social Discount Rate in Canada: A Comprehensive Update" Department of Economics Queen's University, Kingston, Ontario, Canada

**Daryl Villegas Onida**, (June, 2004) "Economic Opportunity Cost of Capital in the Philippines" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Zakaria Bellot**, (**June 2004**) "Prefeasibility Study of a Desalination Plant Project in North Cyprus" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**İpek Doygunel, (June 2004)** "Waste Water Treatment in North Cyprus: Ecoflo Biofilter System" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Tumani Demdajang,** (May 2004) "The Evaluation of Private Investment in Healthcare; The Jane Furse Hospital in Sekhukhume District, South Africa", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Ahmet Asoglu, (December 2003) "The Effects of European Customs Union on the Turkish Automotive Industry" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Talay Asylbekov, (September 2003)** "Analysis and Recommendations for Tax Policies in Bolivia" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Mehmet Inal, (March 2003)** "Investment Appraisal and Risk Analysis of Corrugated Cardboard Project in Malaysia", Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Muge Inal, (March 2003) "Invesment Appraisal and Risk Analysis of PET project in Iran" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

Ali Davud, (February 2003) "The Trends and the Roles of Private Pension Plans" Department of Banking and Finance, Eastern Mediterranean University, North Cyprus.

**Pradip Ghimire, (February 2003)** "Privatization of Water Distribution Systems and Impacts on Stakeholders" Department of Banking and Finance, Eastern Mediterrranean University, North Cyprus.

**Shakeel Ahmed, (July 2002)** "Calculating the Revenue Effectiveness of Value Added Tax and Findings its Determinants" Department of Economics, Eastern Mediterranean University, North Cyprus.

**Andrey Klevchuk, (June 2002)** "Evaluation of the Olifants-Sand Water Transfer Scheme in the Northern Province of South Africa", Department of Economics, Eastern Mediterranean University, North Cyprus

## **Membership on PhD Defense Committees**

About 15 in past 5 years

## **Editorial**

Associate Editor, Journal of Benefit Cost Analysis 2011-13 and 2016 to Present

Referee for several journals including, Energy Policy, World Development, National Tax Journal, Journal of Economic Policy Reform, Canadian Public Policy, Oxford Development Studies, South African Journal of Economics, Water Policy, Transportation Research Part A,