

January 2025

**Perry Sadorsky**  
**Curriculum Vitae**

**Position:** Professor of Sustainability and Economics, Schulich School of Business,  
York University

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York University  
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**web** [www.schulich.yorku.ca](http://www.schulich.yorku.ca)

**Google Scholar** <https://scholar.google.ca/citations?user=jdQHNFOAAAAJ&hl=en>

**ResearchGate** <https://www.researchgate.net/profile/Perry-Sadorsky>

**Linkedin** <https://www.linkedin.com/in/perry-sadorsky-4b684942/>

**YouTube** <https://www.youtube.com/@PerrySadorsky>

**AREAS OF SPECILIZATION**

Energy economics  
Energy finance  
Energy policy  
Organizations and the natural environment  
Financial markets



1982                      BSc. (Honours) in Physics and Astronomy, University of British Columbia

## **PROFESSIONAL EDUCATION**

Passed with honours the Canadian Securities Course exam, 1999

## **PREVIOUS WORK EXPERIENCE**

July 1998 to present	Associate Professor, Professor, Schulich School of Business, York University
January 1998 to December 1998	Visiting International Scholar, University of California at Davis
July 1993 to June 1998	Assistant Professor of Economics, Schulich School of Business, York University
August 1990 to June 1993	Assistant Professor of Natural Resource Economics, University of California at Riverside

## **RESEARCH FUNDING**

2021-2024	Source:	York University Catalyzing Interdisciplinary Research Cluster (\$525,000)
	Purpose:	Digital Currencies: Present and Future
	Investigator:	<i>Principal Investigators:</i> Joann Jasiak, Henry Kim; <i>Investigators:</i> Irene Henriques, Poonam Puri, Sotirios Liaskos, Divinus Oppong-Tawiah, Andrea Podhorsky; <i>Collaborators:</i> Antoine Djogbenou, Sepideh Ebrahimi, Mark Hayward, Tsventanka Karagyozyova, Perry Sadorsky, Ingrid Spletstoesser Hogeterp, Razvan Sufana
2020-2021	Source:	SSB Research Fellowship
	Purpose:	The Impact Of Human Capital On Energy Efficiency
	Investigators:	Perry Sadorsky
2018-2019	Source:	SSB Research Fellowship

	Purpose:	Investing in Clean Energy: Motivations, Approaches and Implications
	Investigators:	Perry Sadorsky
2005-2009	Source:	SSHRCC Standard Research Grant
	Purpose:	An Analysis Of Environmental Technical And Administrative Innovations: A Dynamic Perspective
	Investigators:	Irene Henriques (PI), Perry Sadorsky, Sanjay Sharma
2002-2004	Source:	Organisation for Economic Cooperation and Development
	Purpose:	Environmental Policy Design and Firm-Level Management
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)
2000	Source:	SSB Minor Research Grant
	Purpose:	Oil Prices and Technology Stock Returns
	Investigators:	Perry Sadorsky (PI)
1999	Source:	SSB Minor Research Grant
	Purpose:	Examination of the Fuel Cell Energy Market
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)
	Source:	SSB Minor Research Grant
	Purpose:	Exchange Rates and Stock Market Activity
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)
1997	Source:	York University Sabbatical Leave Fund
	Purpose:	Funding to go on sabbatical to the University of California, Davis. (January 1998 to December 1998)
1996	Source:	SSB Minor Research Grant
	Purpose:	Energy Price Fluctuations and Economic Activity
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)
1995	Source:	SSHRCC Small Research Grant
	Purpose:	The Role of Information in Coordinating Environmental Issues
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)
	Source:	FAS Minor Research Grant
	Purpose:	The Role of Information in Coordinating Environmental Issues
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)
1994	Source:	FAS Small Grant
	Purpose:	Export-Led Growth
	Investigators:	Irene Henriques (Co-PI), Perry Sadorsky (Co-PI)

1991-1994      Source:            University of California Salinity/Drainage Task Force  
                 Purpose:            Agroforestry Management  
                 Investigators: Keith Knapp, John Lety, Perry Sadorsky (PI)

1991            Source:            Giannini Foundation  
                 Purpose:            The Demand for Alfalfa in California  
                 Investigators: Keith Knapp (PI), Perry Sadorsky

## **AWARDS AND RECOGNITION**

### **Editorial Board Positions**

Naeem, M. A., P. Sadorsky, S. Karim 2023 Energy Economics Special Issue on Policy Integration through Net-Zero Emissions: Conventional Energy or Green Energy Markets?

Co-Editor of Energy Economics (2015 - )  
<https://www.sciencedirect.com/journal/energy-economics> (Journal home page)

Advisory Board of Journal of Risk and Financial Management 2018 -  
<http://www.mdpi.com/journal/jrfm> (Journal home page)

Editorial Board of Sustainability 2018 -  
<http://www.mdpi.com/journal/sustainability> (Journal home page)

Editorial Board of Heliyon 2018 - 2019  
<https://www.heliyon.com/> (Journal home page)

Associate Editor of Energy Economics (2009 - 2015)  
<http://www.journals.elsevier.com/energy-economics/> (Journal home page)

Editorial Board of Global Finance Journal 2014 - 2015  
<http://www.journals.elsevier.com/global-finance-journal/>  
(Journal home page)

Editorial Advisory and Review Board of Economics Research International (2010 - 2013)  
<http://www.hindawi.com/journals/econ/> (Journal home page)

Editorial Advisory and Review Board of International Journal of e-Business Management (2007 - 2012)  
<http://www.rmitpublishing.com.au/ijebm.html> (Journal home page)

Idea Group Editorial Advisory Review Board (2006).

## Recognition

2023 Web of Science Highly Cited Researcher in the field of Economics and Business. According to the Web of Science this award recognizes “the world's most influential researchers of the past decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in Web of Science.”

[https://clarivate.com/highly-cited-researchers/?action=clv\\_hcr\\_members\\_filter&clv-paged=1&clv-category=&clv-institution=York%20University%20-%20Canada&clv-region=&clv-name=&utm\\_medium=Organic%2FSearch&utm\\_source=duckduckgo-com](https://clarivate.com/highly-cited-researchers/?action=clv_hcr_members_filter&clv-paged=1&clv-category=&clv-institution=York%20University%20-%20Canada&clv-region=&clv-name=&utm_medium=Organic%2FSearch&utm_source=duckduckgo-com)



2023 World's Top 2% Scientist List Stanford University.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

2022 Web of Science Highly Cited Researcher in the field of Economics and Business. According to the Web of Science this award recognizes “the world's most influential researchers of the past decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in Web of Science.”

[https://clarivate.com/highly-cited-researchers/?action=clv\\_hcr\\_members\\_filter&clv-paged=1&clv-category=&clv-institution=York%20University%20-%20Canada&clv-region=&clv-name=&utm\\_medium=Organic%2FSearch&utm\\_source=www-google-com](https://clarivate.com/highly-cited-researchers/?action=clv_hcr_members_filter&clv-paged=1&clv-category=&clv-institution=York%20University%20-%20Canada&clv-region=&clv-name=&utm_medium=Organic%2FSearch&utm_source=www-google-com)

2022 World's Top 2% Scientist List Stanford University.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

2021 Web of Science Highly Cited Researcher in the field of Economics and Business.

According to the Web of Science this award recognizes “the world's most influential researchers

of the past decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in Web of Science.”

<https://recognition.webofscience.com/awards/highly-cited/2021/>

<https://publons.com/researcher/1487349/perry-sadorsky/>

2021 World's Top 2% Scientist List Stanford University.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

Schulich Research Excellence Fellowship, 2021 – 2024. 2024 - 2027

2020 Web of Science Highly Cited Researcher in the field of Economics and Business.

According to the Web of Science this award recognizes “the world's most influential researchers of the past decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in Web of Science.”

<https://recognition.webofsciencengroup.com/awards/highly-cited/2020/>

2020 World's Top 2% Scientist List Stanford University.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

2019 Web of Science Highly Cited Researcher in the field of Economics and Business.

According to the Web of Science this award recognizes “the world's most influential researchers of the past decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in Web of Science.”

<https://recognition.webofsciencengroup.com/awards/highly-cited/2019/>

2019 World's Top 2% Scientist List Stanford University.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

Distinguished Service Award, Treasurer (2006 - 2014), Academy of Management, Organizations and the Natural Environment Division

Member, York University Institute for Research on Innovation and Sustainability (IRIS), 2006 - 2014.

Member, Organisation for Economic Cooperation and Development (OECD) Working group on environmental policy and firm level management, 2002-2005.

Research Associate, International Institute of Forecasters, 2002-2005.

Member, International Technology Indicators Panel (<http://tpac.gatech.edu>), 2002-2004, 2005-2006, 2007-2008

Citation of Excellence from ANBAR Electronic Intelligence for, Sectoral fluctuations in Mexico and the 1993 recession, in *Applied Economics*, 1998.

Listed in, *Who's Who in Canadian Business*, 2001-2004.

## **Awards**

Liddle, B. and P. Sadorsky (2015). How much does increasing the share of non-fossil fuels in electricity generation reduce carbon dioxide emissions? USAEE Working Paper No. 15-215. USAEE/IAEE 2015 Working Paper Best Paper Award.

## **Award Nominations**

Darnall, N., Henriques, I, and P. Sadorsky (2005) An International Comparison Of The Factors Affecting Environmental Strategy and Performance, Academy of Management Annual Meetings, Honolulu, August 9-11, 2005, nominated for the *Academy of Management All Academy Carolyn Dexter International Paper Award* (2005).

Darnall, N., Henriques, I, and P. Sadorsky (2005) An International Comparison Of The Factors Affecting Environmental Strategy and Performance, Academy of Management Annual Meetings, Honolulu, August 9-11, 2005, nominated for *Academy of Management, Organizations and the Natural Environment* best paper award.

Nominated for Seymour Schulich MBA Teaching Award for Teaching Excellence (2002, 2004)

Nominated for Seymour Schulich BBA Teaching Award for Teaching Excellence (2008, 2009)

Nominated for SSB Research Award (1996, 1997, 2000, 2001, 2002)

*Academy of Management* paper, “The Relationship Between Environmental Commitment and Managerial Perceptions of Stakeholder Importance,” nominated for the Moskowitz Prize (1999)

## **PUBLICATIONS**

### **a) Book Chapters – Refereed (14)**

Sadorsky, P. (2022). The impact of market uncertainty on the systematic risk of clean energy stocks, in (editors) Christos Floros and Ioannis Chatziantoniou, *Applications in Energy Finance: The Energy Sector, Economic Activity, Financial Markets and the Environment*, Springer Nature.

Sadorsky, P. (2019). Oil and Stock Prices, in (editors) Ugur Soytas and Ramazan Sari, *Routledge Handbook of Energy Economics*, Oxford, UK.



Sadorsky, P. (2018). Shifts in Energy Consumption Driven by Urbanization, in (editors) Debra Davidson and Matthias Gross, *Oxford Handbook of Energy and Society*, Oxford, UK.

Sadorsky, P. (2014). Asset return and volatility spillovers between big commodity producing countries, in (editors) Mohamed Arouri, Sabri Boubaker and Duc Khuong Nguyen, *Emerging Markets and the Global Economy: A Handbook*, Elsevier.

Sadorsky, P. (2012). Green Financing After the Global Financial Crisis, in Paul Shrivastava and Matt Statler (editors) *Learning From The Financial Crisis: Creativity, Reliability*, Stanford University Press.

Sadorsky, P. (2011). Modeling Renewable Energy Consumption For A Greener Global Economy, in *Planet Earth 2011 - Global Warming Challenges and Opportunities for Policy and Practice*, Edited by E.G. Carayannis, InTech Publishers.

<http://www.intechweb.org/books/show/title/planet-earth-2011-global-warming-challenges-and-opportunities-for-policy-and-practice>

Sadorsky, P. (2008). Oil Price Effects and Asia Pacific Equity Markets, in Paul G. Caldwell and Earl V. Taylor, editors, *New Research on Energy Economics*, Nova Science Publishers.

Henriques, I. and P. Sadorsky (2007) Environmental Management Systems and Practices: An International Perspective, in: Johnstone N. (Ed.) *Environmental Policy and Corporate Behaviour*. Edward Elgar Publishing, in association with Organisation for Economic Co-Operation and Development, Northampton, MA., 34-87.

Henriques, I. and P. Sadorsky (2006) Investment in Information Technology and the Business Performance of Financial Companies, in Y. Kurihara (editor), *Global Information Technology and Competitive Financial Alliances*, Idea Group Inc., Hershey PA., 1-23.

Henriques, I. and P. Sadorsky (2005) Risk and Investment in the Global Telecommunications Industry, in H. S. Kehal (editor), *Digital Economy: Impacts, Influences and Challenges*, Idea Group Inc., Hershey PA., 39-61.

Sadorsky, P. (2004) Stock Markets and Energy Prices, in *Encyclopedia of Energy*, Academic Press, 5, 707-717.

Sadorsky, P. (2002) Risk Measures and the Cost of Equity in the Energy Industry, in John R. Blackwood (editor), *Energy Research at the Cutting Edge*, chapter 7, Nova Science Publishers.

Henriques, I. and P. Sadorsky (2002) Commodity Prices and Export Growth: The Canadian Case 1971-1998, in Sir Hans Singer, Neelambar Hatti and Rameshwar Tandon (Eds.) *New World Order Series: Trade and Growth*, vol. 20.

Henriques, I. and P. Sadorsky (1995) The Determinants of Firms that Formulate Environmental

Plans, In James E. Post (Ed.) and D. Collins and M. Starik (Vol. Eds.) *Research in Corporate Social Performance and Policy - Sustaining the Natural Environment: Empirical Studies on the Interface Between Nature and Organizations*, Supplement 1, Greenwich, CT: JAI Press, pp. 67-97.

### **b) Expert Panel Reports and Monographs (3)**

Sadorsky, P. (2017) Contributing researcher to : Potvin, Catherine, Burch, Sarah, Layzell, David, Meadowcroft, James, Mousseau, Normand, Dale, Ann, Henriques, Irene, Margolis, Liat, Matthews, H. Damon, Paquin, Dominique, Ramos, Howard, Sharma, Divya, Sheppard, Stephen, Slawinski, Natalie (2017). *Re-Energizing Canada: Pathways to a Low-Carbon Future*, Sustainable Canada Dialogues, Ottawa, Ontario, 67 pages.

Henriques, I, P. Sadorsky and S. Kerekes (2005), *Environmental Management Systems and Practices: An International Perspective*, OECD Environment Directorate, Paris: OECD, ENV/EPOC/WPNEP(2005)100.

Henriques, I, and P. Sadorsky (2004), *Environmental Policy Tools and Firm Level Management Practices in Canada*, OECD Environment Directorate, Paris: OECD, January 2004, 36 pages.

### **c) Journal Articles – Refereed (94)**

Basher, S. and Sadorsky, P. (2025) How Important Are Climate Change Risks For Predicting Clean Energy Stock Prices? Evidence From Machine Learning Predictive Modeling And Interpretation, *Journal of Climate Finance*, 10, 100058.

Henriques, I and P. Sadorsky (2025) Connectedness And Systemic Risk Between Fintech And Traditional Financial Stocks: Implications For Portfolio Diversification, *Research in International Business and Finance*, 73,102629.

Sadorsky, P. (2024). Using Precious Metals to Reduce the Downside Risk of FinTech Stocks. *FinTech* 3, no. 4: 537-550.

Basher, S. and Sadorsky, P. (2024) Do Climate Change Risks Affect The Systemic Risk Between The Stocks Of Clean Energy, Electric Vehicles, And Critical Minerals? Analysis Under Changing Market Conditions. *Energy Economics*, 138, 107832.

Henriques, I and P. Sadorsky (2024) Do Clean Energy Stocks Diversify The Risk Of Fintech Stocks? Connectedness And Portfolio Implications, *Global Finance Journal*, 62, 101019.

Henriques, I and P. Sadorsky (2024) Time and Frequency Dynamics Between NFT Coins and Economic Uncertainty, *Financial Innovation*, 10, 35.

Ramesh, S., S Kumar Mandal, and P. Sadorsky (2024) Does The Source Of Oil Price Shock Matter For Indian Sectoral Stock Returns? A Time-Frequency Approach To Analyse Dynamic Connectedness And Spillovers, *Applied Economics*, 56, 7469-7486.

Henriques, I and P. Sadorsky (2023) Forecasting NFT Coin Prices Using Machine Learning: Insights Into Feature Significance And Portfolio Strategies, *Global Finance Journal*, 58, 100904.

Henriques, I and P. Sadorsky (2023) Forecasting Rare Earth Stock Prices With Machine Learning, *Resources Policy*, 86, Part A, 104248.

Naeem, M.A. P. Sadorsky, and S. Karim (2023) Sailing Across Climate-Friendly Bonds And Clean Energy Stocks: An Asymmetric Analysis With The Gulf Cooperation Council Stock Markets, *Energy Economics*, 126, 106911.

Henriques, I and P. Sadorsky (2023) Using US Stock Sectors to Diversify, Hedge, and Provide Safe Havens for NFT Coins, *Risks*, 11(7), 119.

Khanindra CH. Das, Mantu Kumar Mahalik and P. Sadorsky (2023). Tax Provision By International Subsidiaries Of Indian Extractive Industry Multinationals: Do Environmental Pollution And Corruption Matter? *Resources Policy*, 80, 103231.

Sadorsky, P. (2023) Using Machine Learning To Predict Clean Energy Stock Prices: How Important Are Market Volatility And Economic Policy Uncertainty? *Journal of Climate Finance*, 1, 100002.

Roy, P., Ahmad, W., Sadorsky, P. and Phani, B.V. (2022) What Do We Know About The Idiosyncratic Risk Of Clean Energy Equities? *Energy Economics*, 112, 106167.

Basher, S. and Sadorsky, P. (2022) Forecasting Bitcoin Price Direction With Random Forests: How Important Are Interest Rates, Inflation, And Market Volatility? *Machine Learning with Applications*, 9, 100355.

Sadorsky, P. (2022) Forecasting Solar Stock Prices Using Tree-Based Machine Learning Classification: How Important Are Silver Prices?, *The North American Journal of Economics and Finance*, 61, 101705.

Hernandez, JA. Shahzad, SJH, Sadorsky, P, Uddin, GS, Bouri, E., Kang, SH (2022) Regime Specific Spillovers Across US Sectors And The Role Of Oil Price Volatility, *Energy Economics*, 107, 105834.

Sadorsky, P. (2021) Eco-efficiency for the G18: Trends and Future Outlook, *Sustainability*, 13, 11196.

Liddle, B. and P. Sadorsky (2021) Energy Efficiency In OECD And Non-OECD Countries: Estimates And Convergence. *Energy Efficiency*. 14, 72.

Tiwari, Aviral Kumar, Pathak, R., Gupta, Ranjan Das, Sadorsky, P. (2021). Modelling Dependence and Systemic Risk between Oil Prices and BSE Sectoral Indices Using Stochastic Copula and Covar,  $\Delta$ covar and MES Approaches, *Applied Economics*, 53:58, 6770-6788.

Sadorsky, P. (2021) Predicting Gold and Silver Price Direction Using Tree Based Classifiers, *Journal of Risk and Financial Management*, 14(5), 198.

Sanghoon Kang, Jose Arreola Hernandez, Perry Sadorsky, Ronald McIver (2021) Frequency Spillovers, Connectedness, And The Hedging Effectiveness Of Oil And Gold For US Sector ETFs, *Energy Economics*, 99, July, 105278.

Sadorsky, P. (2021) A Random Forests Approach to Predicting Clean Energy Stock Prices, *Journal of Risk and Financial Management*, 14(2), 48.

Sadorsky, P. (2021) Wind Energy for Sustainable Development: Driving Factors and Future Outlook, *Journal of Cleaner Production*, 289, 20, March, 125779.

Sadorsky, P. (2020) Energy Related CO<sub>2</sub> Emissions before and after the Financial Crisis, *Sustainability*, 12, 9, 3867.

Bhattacharya, M., Nkwoma Inekwe, J., Sadorsky, P. (2020) Consumption-based And Territory-Based Carbon Emissions Intensity: Determinants And Forecasting Using Club Convergence Across Countries, *Energy Economics*, 86, February, 104632.

Liddle, B. and P. Sadorsky (2020) How Much Do Asymmetric Changes In Income And Energy Prices Affect Energy Demand? *The Journal of Economic Asymmetries*. 21, June, e00141.

Bhattacharya, M., Nkwoma Inekwe, J., Sadorsky, P. (2020) Convergence Of Energy Productivity In Australian States And Territories: Determinants And Forecasts, *Energy Economics*, 85, January, 104538.

Waqas Hanif, Jose Arreola Hernandez, Perry Sadorsky, Seong-Min Yoon, (2020) Are The Interdependence Characteristics Of The US And Canadian Energy Equity Sectors Nonlinear And Asymmetric?, *The North American Journal of Economics and Finance*, 51, January, 101065.

Henriques, I, and P. Sadorsky (2018) Can Bitcoin Replace Gold in an Investment Portfolio?, *Journal of Risk and Financial Management*, 11, 48, 19 pages.

Bhattacharya, M., Nkwoma Inekwe, J., Sadorsky, P. and A Saha (2018) Convergence Of Energy Productivity Across Indian States And Territories, *Energy Economics*, 74, 427-440.

Basher, S. A. Haug, A. and P. Sadorsky (2018) The Impact Of Oil-Market Shocks On Stock Returns In Major Oil-Exporting Countries, *Journal of International Money and Finance*, 86, 264-280.

- Ahmad, W, Sadorsky, P. and A. Sharma (2018) Optimal Hedge Ratios For Clean Energy Equities, *Economic Modeling*, 72, 278-295.
- Henriques, I, and P. Sadorsky (2018) Investor Implications of Divesting from Fossil Fuels, *Global Finance Journal*, 38, 30-44.
- Shahbaz, M., Hussain Shahzad, S.,J., Mahalik, M. K., and P. Sadorsky (2018) How Strong is the Causal Relationship between Globalization and Energy Consumption in Developed Economies? A Country-Specific Time-Series and Panel Analysis, *Applied Economics*, 50, 13, 1479-1494.
- Liddle, B. and P. Sadorsky (2017) How much does increasing the share of non-fossil fuels in electricity generation reduce carbon dioxide emissions? *Applied Energy*, 197, 212-221.
- Cumming, D., Henriques, I., and P. Sadorsky (2016) Cleantech venture capital around the world. *International Review of Financial Analysis*, 44, 86-97.
- Shahbaz, M., Mallick, H., Mahalik, M. K., and P. Sadorsky (2016) The Role of Globalization on the Recent Evolution of Energy Demand in India: Implications for Sustainable Development, *Energy Economics*, 55, 52-68.
- Basher, S. A. Haug, A. and P. Sadorsky (2016) The impact of oil shocks on exchange rates: A Markov-switching approach, *Energy Economics*, 54, 11-23.
- Basher, S. and P. Sadorsky (2016) Hedging emerging market stock prices with oil, gold, VIX, and bonds: A comparison between DCC, ADCC and GO-GARCH, *Energy Economics*, 54, 235-47.
- Sadorsky, P. (2016) Forecasting Canadian Mortgage Rates, *Applied Economics Letters* 23, 11, 822-825.
- Sadorsky, P. (2014) Modeling Volatility And Correlations Between Emerging Market Stock Prices And The Prices Of Copper, Oil And Wheat, *Energy Economics* 43, 72-81.
- Sadorsky, P. (2014) Modeling Volatility And Conditional Correlations Between Socially Responsible Investments, Gold And Oil, *Economic Modeling* 38, 609-18.
- Sadorsky, P. (2014) Carbon Price Volatility and Financial Risk Management, *The Journal of Energy Markets*, 7(1), 83-102.
- Sadorsky, P. (2014) The Effect Of Urbanization On CO2 Emissions In Emerging Economies, *Energy Economics*, 41, 147-153.
- Sadorsky, P. (2014) The Effect Of Urbanization and Industrialization on Energy Use in Emerging Economies: Implications for Sustainable Development, *American Journal of*

*Economics & Sociology*, 73, 392-409.

Henriques, I, and P. Sadorsky (2013) Environmental Management Practices and Performance in Canada, *Canadian Public Policy*, 39, S2, 157-175.

Sadorsky, P. (2013) Do Urbanization And Industrialization Affect Energy Intensity In Developing Countries? *Energy Economics*, 37, 52-59.

Sadorsky, P. (2012) Information Communication Technology And Electricity Consumption In Emerging Economies, *Energy Policy*, 48, 130-136.

Sadorsky, P. (2012) Energy Consumption, Output And Trade In South America, *Energy Economics*, 34, 2, 476-488.

Basher, S. A. Haug, A. and P. Sadorsky (2012). Oil Prices, Exchange Rates and Emerging Stock Markets, *Energy Economics*, 34, 1, 227-240.

Sadorsky, P. (2012) Correlations And Volatility Spillovers Between Oil Prices And The Stock Prices Of Clean Energy And Technology Companies, *Energy Economics*, 34, 1, 248-255

Sadorsky, P. (2012) Modeling Renewable Energy Company Risk, *Energy Policy*, 40, 39-48.

Sadorsky, P. (2011) Some Future Scenarios For Renewable Energy, *Futures*, 43,10, 1091-1104.

Sadorsky, P. (2011) Trade And Energy Consumption In The Middle East, *Energy Economics*, 33, 5, 739-749.

Sadorsky, P. (2011) Financial Development And Energy Consumption In Central And Eastern European Frontier Economies, *Energy Policy*, 39, 999-1006.

Henriques, I, and P. Sadorsky (2011) The Effect Of Oil Price Volatility On Strategic Investment, *Energy Economics*, 33, 79-87.

Henriques, I, and P. Sadorsky (2010) Can Environmental Sustainability Be Used To Manage Energy Price Risk? *Energy Economics*, 32, 1131-1138.

Sadorsky, P. (2010) The Impact Of Financial Development On Energy Consumption In Emerging Economies, *Energy Policy*, 38, 5, 2528-2535.

Darnall, N., Henriques, I, and P. Sadorsky (2010) Adopting Proactive Environmental Strategy: The Influence of Stakeholders and Size, *Journal of Management Studies*, 47,1072-1094.

Sadorsky, P. (2009) Renewable Energy Consumption and Income in Emerging Economies, *Energy Policy*, 37, 10, 4021-4028.

Sadorsky, P. (2009) Renewable Energy Consumption, CO2 Emissions and Oil prices in the G7 Countries, *Energy Economics*, 31, 3, 456-462.

Sadorsky, P. (2008) Assessing the Impact of Oil Prices on Firms of Different Sizes: Its Tough Being in the Middle, *Energy Policy*, 36, 10, 3854-3861.

Sadorsky, P. and M. D. McKenzie (2008) Power Transformation Models and Volatility Forecasting, *Journal of Forecasting*, 27, 7, 587-606.

Henriques, I, and P. Sadorsky (2008) Oil Prices and the Stock Prices of Alternative Energy Companies, *Energy Economics*, 30, 3, 998-1010.

Henriques, I, and P. Sadorsky (2008) Voluntary Environmental Programs: A Canadian Perspective, *Policy Studies Journal*, 36, 1, 143- 166. This paper is also included in the edited book by deLeon, P. and J.E. Rivera (2010) Voluntary Environmental Programs, Lexington books, New York.

Sadorsky, P. (2008). The Oil Price Exposure of Global Oil Companies, *Applied Financial Economics Letters*, 4, 2, 93-96.

Darnall, N., Henriques, I, and P. Sadorsky (2008) Do Environmental Management Systems Improve Business Performance in an International Setting? *Journal of International Management*, 14, 4, 364-376.

Henriques, I, and P. Sadorsky (2007) Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry, *Business Strategy and the Environment*, 16, 119-132.

Henriques, I, and P. Sadorsky (2006) The Adoption of Environmental Management Practices in a Transition Economy, *Comparative Economic Studies*, 48, 4, 641-661.

Basher, S.A. and P. Sadorsky (2006) Oil Price Risk and Emerging Stock Markets, *Global Finance Journal*, 17, 2, 224-251.

Basher, S.A. and P. Sadorsky (2006) Day-Of-The-Week Effects In Emerging Stock Markets, *Applied Economics Letters*, 13, 10, 621-628.

Sadorsky, P. (2006) Modeling and Forecasting Petroleum Futures Volatility, *Energy Economics*, 28, 467-488.

Sadorsky, P. (2005) Stochastic Volatility Forecasting and Risk Management, *Applied Financial Economics*, 15, 2, 121-135.

Sadorsky, P. and I. Henriques (2003) Risk Measures and the Cost of Equity in the New Economy Biotechnology Industry, *Global Business & Economics Review*, 5, 1, 37-55.

Sadorsky, P. (2003) The Macroeconomic Determinants of Technology Stock Price Volatility, *Review of Financial Economics*, Volume 12, Issue 2, 191-205.

Sadorsky, P. (2002) Time-varying Risk Premiums in Petroleum Futures Prices, *Energy Economics*, 24, 539-556.

Sadorsky, P. and I. Henriques (2001) Multifactor Risk and the Stock Returns of Canadian Paper and Forest Products Companies, *Forest Policy & Economics*, 3, 3/4, 199-208.

Sadorsky, P. (2001) Risk Factors in Stock Returns of Canadian Oil and Gas Companies, *Energy Economics*, 23,1, 17-28.

Sadorsky, P. (2001) Broken Trend Output in a Model of Stock Returns and Economic Activity, *Applied Financial Economics*, 11, 11-17.

Knapp, K. and P. Sadorsky (2000) Economics of Agroforestry Production in Irrigated Agriculture, *Journal of Agricultural & Resource Economics*, 25, 1, 286-306.

Sadorsky, P. (2000) The Empirical Relationship between Energy Futures Prices and Exchange Rates, *Energy Economics*, 22, 2, 253-266.

Sadorsky, P. (1999) Oil Price Shocks and Stock Market Activity, *Energy Economics*, 21, 5, 449-469.

Henriques, I. and P. Sadorsky (1999) The Relationship Between Environmental Commitment and Managerial Perceptions of Stakeholder Importance, *Academy of Management Journal*, February 42 (1), 87-99.

Henriques, I., P. Sadorsky and S. Verma (1998) Sectoral Fluctuations in Mexico and the 1993 Recession, *Applied Economics*, 30 (2), 227-234.

Henriques, I. and P. Sadorsky (1996) The Determinants of an Environmentally Responsive Firm: An Empirical Approach, *Journal of Environmental Economics and Management*, 30 (3), May, 381-395.

Henriques, I. and P. Sadorsky (1996) Export-Led Growth or Growth-Driven Exports?: The Canadian Case, *Canadian Journal of Economics*, XXIX, 3, Aug. , 540-555.

Sadorsky, P. (1994) The Behavior of U.S. Tariff Rates: Comment, *American Economic Review*, 84 (4), September, 1097-1103.

Henriques, I. and P. Sadorsky (1994) The Determinants and Persistence of Canadian Tariff Rates, *Canadian Journal of Economics*, XXVII, No. 1, February, 112-128.

Sadorsky, P. (1992) Industry Size and 'Destructive Competition' in Cournot Oligopoly Models of



Exhaustible Resource Exploration and Extraction, *Resources and Energy*, 14, 249-257.

Sadorsky, P. (1991) Measuring Resource Scarcity in Non-renewable Resources with an Application to Oil and Gas in Alberta, *Applied Economics*, 23, (5), 975-983.

Hartwick, J. and P. Sadorsky, (1990) Duopoly in Exhaustible Resource Exploration and Extraction, *Canadian Journal of Economics*, 23, (2), May, 276-293.

Sadorsky, P. (1990) A Specification Test for Models Estimated by the Cragg Estimator, *Economics Letters*, 33, 75-78.

Sadorsky, P. (1989) Testing for Cointegration in Canadian Labour Supply Data, *Studies in Economic Analysis*, 12 (2), 22-42.

#### **d) Published Conference Papers – Refereed (13)**

Sadorsky, P. (2010) Modeling Renewable Energy Company Risk, Understanding Strategic Choices for Renewable Energy Investments, held on February 11-12, 2010 in St. Gallen (Switzerland).

Darnall, N., Henriques, I. and P. Sadorsky (2008) Adopting Proactive Environmental Practices: The Influence of Stakeholders and Organizational Size, Decision Sciences Institute Annual Meetings, Baltimore November 22-25, 2008, pages 4061-4065.

Sadorsky, P. (2006) Organizational Slack in the Global Information Technology Industry, *Information Resource Management Association 2006 International Conference*, May 21-24 2006, Washington, D.C.

Darnall, N., Henriques, I, and P. Sadorsky (2005) An International Comparison Of The Factors Affecting Environmental Strategy and Performance, *Academy of Management Best Paper Proceedings*, Annual Meetings, Honolulu, August 9-11, 2005.

Henriques, I and P. Sadorsky (2005) Business Cycles and the Financial Performance of Fuel Cell Companies, *Proceedings of the International Green Energy Conference*, 12-16 June 2005, Waterloo, Ontario, Canada, Paper No. 074

Henriques, I and P. Sadorsky (2005) Environmental Management Systems and Practices: An International Facility-Level Perspective, *Proceedings of the 16<sup>th</sup> Annual International Association of Business and Society (IABS) Conference*, March 31 – April 3, 2005, Sonoma Valley California.

Sadorsky, P. (2004) A Comparison of Some Alternative Volatility Forecasting Models for Risk Management, *Proceedings of the IASTED International Conference on Financial Engineering and Applications*, Boston, November 8-10, 2004.

Henriques, I, and P. Sadorsky (2004) Risk and Investment in the Fuel Cell Industry, *Hydrogen and Fuel Cells 2004 Conference and Trade Show, Toronto*, September 25-28, 2004.

Henriques, I, and P. Sadorsky (2004) Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry, *Administrative Sciences Association of Canada (ASAC) Annual Meetings, Quebec City*, June 5-8, 2004.

Sadorsky, P. (2004) Profitable Market Timing Strategies: Evidence from Canada, *Administrative Sciences Association of Canada (ASAC) Annual Meetings, Quebec City*, 5-8, June 2004.

Sadorsky, P. (2003) Volatility Forecasting and Value at Risk, *Proceedings of the IASTED International Conference on Financial Engineering and Applications, Banff*, July 2-3, 2003, 44-52.

Sadorsky, P. (2003) Equity Risk In The Global Information Technology Industry, International Research Foundation for Development, World Forum on the Information Society, Virtual Conference 1, Feb. 17 - 28 2003, [www.irfd.org/events/wf2003/vc.html](http://www.irfd.org/events/wf2003/vc.html)

Sadorsky, P. (2002) Oil Prices and the Volatility of the World Equity Market, Business & Economics Society International Conference, Montreal, July 24 - July 29, 2002. Paper published in *Global Business & Economics Review, Anthology* (2002), 107-117.

#### **e) Published Book Reviews**

Sadorsky, P. (2014). Review of *Energy Economics and Financial Markets* by Dorsman, A., Simpson, J.L., Westerman, W. (2013) Springer. *Energy Journal* 35, 1, 178-180.

#### **f) Technical Papers -Non-Refereed**

Economic Analysis of the Agroforestry Concept for Managing Drainage Water, *UC Salinity/Drainage Program Annual Report 1991-1992*, University of California, pp. 210-218.

#### **g) Published Abstracts-Referred**

Oil Prices and the Volatility of the World Equity Market, Business & Economics Society International Conference, Montreal, July 24 - July 29, 2002. Abstract published in conference program.

Time-varying Risk Premiums in Petroleum Futures Prices, International Forecasting Symposium, Atlanta, June 16-20, 2001. Abstract published in conference program.

Henriques, I. and P. Sadorsky, Optimal Domestic Export Subsidies in the Presence of Capital Taxation, in *European Economic Association Book of Abstracts*, Fifth Annual Congress in

Lisboa, Portugal: August 31-September 2, 1990 Session C.60.3.

## **h) Working Papers**

Liddle, Brant and Sadorsky, Perry, Energy Efficiency in OECD and non-OECD Countries: Estimates and Convergence (April 13, 2020). USAEE Working Paper No. 20-437. Available at SSRN: <https://ssrn.com/abstract=3575110>

Basher, S. A. Haug, A. and P. Sadorsky (2019) The impact of economic policy uncertainty and commodity prices on CARB country stock market volatility, MPRA Working Paper 96577, <https://mpr.ub.uni-muenchen.de/id/eprint/96577>.

Liddle, Brant and Sadorsky, Perry, How Much Does Increasing the Share of Non-Fossil Fuels in Electricity Generation Reduce Carbon Dioxide Emissions? (June 4, 2015). Final version published in Applied Energy (2017) Vol. 107, pp. 212-221, DOI:10.1016/j.apenergy.2017.04.025; USAEE Working Paper No. 15-215. Available at SSRN: <https://ssrn.com/abstract=2614524> or <http://dx.doi.org/10.2139/ssrn.2614524>

Basher, S. A. Haug, A. and P. Sadorsky (2017) The impact of oil market shocks on stock returns in major oil-exporting countries: A Markov-switching approach, MPRA Working Paper 81638, <https://mpr.ub.uni-muenchen.de/id/eprint/81638>

Basher, S. A. Haug, A. and P. Sadorsky (2015) The impact of oil shocks on exchange rates: A Markov-switching approach, MPRA Working Paper 68232, <https://mpr.ub.uni-muenchen.de/id/eprint/68232>

Basher, S. and P. Sadorsky (2015) Hedging emerging market stock prices with oil, gold, VIX and bonds, MPRA Working Paper 68231, <https://mpr.ub.uni-muenchen.de/id/eprint/68231>

Basher, S. A. Haug, A. and P. Sadorsky (2011) Oil prices exchange rates and emerging stock markets, MPRA Working Paper 30140, <https://mpr.ub.uni-muenchen.de/id/eprint/30140>

Henriques, I., P. Sadorsky and S. Verma, The Inter-Relationship Among Growth, Exports and Terms of Trade in Mexico, Faculty of Administrative Studies, Working Paper # 11-95, York University.

Henriques, I. and P. Sadorsky, Export-Led Growth or Growth-Driven Exports?: The Canadian Case, Faculty of Administrative Studies, Working Paper # 10-95, York University.

Henriques, I. and P. Sadorsky, The Determinants of an Environmentally Responsive Firm: An Empirical Approach, Faculty of Administrative Studies, Working Paper # 08-95, York University.

Henriques, I. and P. Sadorsky, The Determinants of Firms that Formulate Environmental Plans,

Faculty of Administrative Studies, Working Paper # 30-94, York University.

Sadorsky, P., Further Results on the Behavior of U.S. Tariff Rates, Faculty of Administrative Studies, Working Paper # 32-93, York University.

Henriques, I. and P. Sadorsky, The Determinants and Persistence of Canadian Tariff Rates, Faculty of Administrative Studies, Working Paper # 14-93, York University.

Henriques, I. and P. Sadorsky, International Trade in Recycled Goods, Department of Economics, Discussion Paper No. 93-03, Lakehead University and Faculty of Administrative Studies Research Program, Working Paper # 03-92, York University.

Henriques, I. and P. Sadorsky, Structural Breaks in Canadian Tariff Rates, Faculty of Administrative Studies Research Program, Working Paper #21-92, York University.

Sadorsky, P., Measuring Resource Scarcity in Non-renewable Resources with Inequality Constrained Estimation, Institute for Economic Research, Queen's University Discussion Paper # 746, 1989.

#### **i) Media Articles**

Econometrics: Forecasting the Future of Business, FAStack, October 1994, p.13.

Don't underestimate oil's impact on high-tech stocks, The Globe and Mail, December 8 2000, page B10.

Is Alternative Energy More Technology Than Energy? [www.seekingalpha.com](http://www.seekingalpha.com), posted on April 16, 2008, <http://seekingalpha.com/article/72577-alt-energy-more-technology-than-energy>

Alternative Energy EFTs' Wild Solar Powered Ride [www.seekingalpha.com](http://www.seekingalpha.com), posted on April 24, 2008, <http://seekingalpha.com/article/73820-alternative-energy-etfs-wild-solar-powered-ride>

Rising Crude Prices: Not Necessarily Good for Oil Stocks, posted on June 8, 2008, <http://seekingalpha.com/article/80538-rising-crude-prices-not-necessarily-good-for-oil-stocks>

China Raising Fuel Prices Unlikely to Cool Red Hot Oil market [www.seekingalpha.com](http://www.seekingalpha.com), posted on June 20, 2008, <http://seekingalpha.com/article/82105-china-raising-fuel-prices-unlikely-to-cool-red-hot-oil-market>

A Renewed Interest in Nanotechnology [www.seekingalpha.com](http://www.seekingalpha.com),, posted on August 25, 2008, <http://staticorigin.seekingalpha.com/article/92491-a-renewed-interest-in-nanotechnology>

Interest Rates Cannot Go Lower Than Zero [www.seekingalpha.com](http://www.seekingalpha.com), posted on December 18, 2008, <http://seekingalpha.com/article/111356-interest-rates-cannot-go-lower-than-zero?source=feed>

Green Energy Gets A Boost, But Where Is The Growth? posted on February 15, 2009, <http://seekingalpha.com/article/120671-green-energy-gets-a-boost-but-where-is-the-growth>

GRN: New Carbon Emissions ETN Offers Green Energy Alternative, posted on November 26, 2009, <http://seekingalpha.com/article/175467-grn-new-carbon-emissions-etn-offers-green-energy-alternative>

QAI: How Does This Hedge Fund ETF Compare to S&P 500?, posted on December 1, 2009, <http://seekingalpha.com/article/175855-qai-how-does-this-hedge-fund-etf-compare-to-s-p-500>

## **j) Teaching Cases**

Sadorsky, P. (2000) The Canadian Petroleum Industry at the Beginning of the 21<sup>st</sup> Century, 11 pages.

Sadorsky, P. (1999) The Canadian Telecommunications Equipment Industry in 2000, 10 pages.

Sadorsky, P. (1999) Forecasting the Weekly Close of the TSE 300 Composite Index, 11 pages.

## **Speeches, Oral Presentations and Unpublished Conference Papers**

### **a) Unpublished Conference Papers**

Henriques, I. and P. Sadorsky Forecasting cryptocurrency prices with machine learning: How important is market volatility? 16<sup>th</sup> International Conference, Computational and Financial Econometrics (CFE 2022). Session A0433, December 17-19 2022, King's College, London.

Cumming, D., Henriques, I. and P. Sadorsky, Cleantech Venture Capital Around the World, Academy of Management Annual Meetings, Philadelphia, 2014.

Henriques, I. and P. Sadorsky, The Effect of Oil Price Volatility on Strategic Investment, Strategic Management Society Annual Meetings, Washington, 2009.

Henriques, I. and P. Sadorsky, Effects of Slack Resources on Corporate Citizenship Activities, Academy of Management Annual Meetings, Philadelphia, 2007.

Darnall, N., Henriques, I. and P. Sadorsky, Adopting Proactive Environmental Practices: The Influence of Stakeholders and Organizational Size, Academy of Management Annual Meetings, Atlanta, 2006.

Henriques, I. and P. Sadorsky, Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry, Academy of Management Annual Meetings, New Orleans, August 9-11, 2004.

- Sadorsky, P. Stochastic Volatility Forecasting and Risk Management, Global Finance Conference, Las Vegas, April 4-6, 2004.
- Sadorsky, P. Time-varying Risk Premiums in Petroleum Futures Prices, International Forecasting Symposium, Atlanta, June 16-20, 2001.
- Sadorsky, P. The Macroeconomic Determinants of Technology Stock Price Volatility, Canadian Economic Association Annual Meetings, Montreal, June 1-3, 2001.
- Sadorsky, P. Trade Liberalization, Economic Growth, and the Natural Environment: An Overview, Academy of Management Annual Meetings, Toronto, August 5-8, 2000.
- Sadorsky, P. Commodity Prices and Economic Activity, Western Economic Association Annual Conference, Seattle, July 9 - 13, 1997.
- Henriques, I. and P. Sadorsky, The Role of Information in Coordinating Environmental Issues, Western Economic Association Annual Conference, San Francisco, California, June 28 - July 3, 1996.
- Sadorsky, P. Time Series Tests of Some Natural Resource Prices, Western Economic Association Annual Conference, San Diego, California, July 5 - July 9, 1995.
- Sadorsky, P. Exhaustible Resource Pricing and Consumption: Time Series Tests of a Generalized Expected Utility Model, Canadian Economics Association Meetings, Montreal, Quebec, June 2 - June 4, 1995.
- Henriques, I. and P. Sadorsky, The Determinants of an Environmentally Responsive Firm: An Empirical Approach, Western Economic Association Annual Conference, Vancouver, B.C., June 29 - July 3, 1994.
- Sadorsky, P. Further Results on the Behavior of U.S. Tariff Rates, Western Economic Association Annual Conference, Lake Tahoe, California, June 20 - June 24, 1993.
- Sadorsky, P. International Trade in Recycled Goods, Research Conference on Natural Resource Economics, University of California, Santa Barbara, May 5-6, 1993.
- Knapp, K. and Sadorsky, P. Economic Analysis of the Agroforestry Concept for Managing Drainage Water, Annual Research Conference of University of California Salinity/Drainage Task Force, University of California, Davis, April 2, 1993.
- Sadorsky, P. Returns to Scale, Productivity Growth and Environmental Regulation, Western Economic Association Annual Conference, San Francisco, California, July 9 - 13, 1992.
- Knapp, K. and Sadorsky, P. Economic Analysis of the Agroforestry Concept for Managing Drainage Water, Eleventh Pacific Coast Resource Modelling Conference, University of

California, Berkeley, June 3-5, 1992.

Knapp, K. and Sadorsky, P. Economic Analysis of the Agroforestry Concept for Managing Drainage Water, Annual Research Conference of University of California Salinity/Drainage Task Force, University of California, Davis, March 13, 1992.

Sadorsky, P. Strategic Exploration and Oil Spill Prevention, Canadian Economics Association Meetings, Kingston, Ontario, June 2 - 4, 1991.

Sadorsky, P. Assessing the Short-Run and Long-run Impacts of Environmental Regulation on Industry Productivity, GREEN Conference, Universite Laval, Quebec City, October 24-25, 1991.

Henriques, I. and P. Sadorsky, Optimal Domestic Export Subsidies in the Presence of Capital Taxation, Canadian Economics Association Meetings, Victoria, B.C., June 1 - 3, 1990, and the European Economic Association Fifth Annual Congress, Lisboa, Portugal, August 31 - September 2, 1990.

Hollified, B. and Sadorsky, P. Testing Regression Directions Using the Cragg Estimator, Canadian Economics Association Meetings, Victoria, B.C., June 1 - 3, 1990.

#### **b) Invited Presentations**

Sadorsky, P. Clean Energy, EVs, and Rare Earths Stock prices: Connectedness and Portfolio Implications. Vietnam Symposium in Climate Transition, Da Nang, Vietnam, December 15, 2023.

Sadorsky, P. Predicting Clean Energy Stock Prices with Machine Learning: The Impact of Volatility and Uncertainty, Fourth Edition of Ethical Finance and Sustainable Conference: Energy Transition & Sustainability. EDC Paris Business School, Paris, May 12, 2022. This was a keynote presentation.

Sadorsky, P. The impact of Russian sanctions on Canada, York University Scholars' Hub at Home webinar series. April 6, 2022. <https://www.youtube.com/watch?v=AypHPj0CVfY>

Sadorsky, P. Market Uncertainty and Clean Energy Stocks: Before and During COVID-19, International Congress of Energy Economy Society. Istanbul, Turkey, November 13, 2021. This was a keynote presentation (remote delivery).

Sadorsky, P. Stock Markets and Sustainable Development, Workshop on Ethical Finance and Sustainable Development. EDC Paris Business School, Paris, October 10, 2019.

Investor Implications Of Divesting From Fossil Fuels, presented at University of Guelph, October 14, 2016.

Oil Prices And The Carbon Market, presented at, Workshop on Carbon Market Design: Issues and Opportunities, sponsored by USDA, National Farm Foundation and Commodity Futures Trading Commission, Washington DC, Jan. 31 – Feb. 1, 2011.

Modeling Renewable Energy Company Risk, presented at, Understanding Strategic Choices for Renewable Energy Investments Symposium in St Gallen Switzerland, February 10-12, 2010

2009 Natural Gas Seminar, Schulich School of Business, Natural Resources Opportunity Club, November 19, 2009.

Making Large Global Collaborations Succeed, PDW session, Academy of Management Annual Meetings, Anaheim, 2008.

Research Workshop for OECD Project On: Environmental Policy Design and Firm Level Management, August 30-31, 2004, OECD, Paris, France.

Moderator for the Panel Discussion on North American Economic Environment, 5<sup>th</sup> Annual Day on Bay Conference, January 16, 2004, Schulich School of Business Finance Association.

Research Roundtable on Mergers and Acquisitions, IASTED International Conference on Financial Engineering and Applications, Banff, July 2-3, 2003.

Research Roundtable on Issues in Global Investing, Business & Economics Society International Conference, Montreal, July 24 - July 29, 2002.

Planning Workshop for OECD Project On: Environmental Policy Design and Firm Level Management, March 13-15, 2002, OECD, Paris, France.

Energy Futures Prices and Exchange Rates, University of California, Davis, October 30, 1998.

Sectoral Fluctuations in Mexico and the 1993 Recession, Clarkson University, Potsdam NY, March 8, 1996.

Research Roundtable on Organizations and the Natural Environment, Academy of Management Annual Meeting, Vancouver, B.C. August 6 - 9, 1995.

International Trade in Recycled Goods, Faculty of Administrative Studies, York University, February 10, 1993.

International Trade in Recycled Goods, Department of Economics, Lakehead University, February 12, 1993.

Returns to Scale, Productivity Growth and Environmental Regulation, University of California, Riverside, May 1, 1992.



## PROFESSIONAL SERVICE

**a) Reviews of Journal Papers (Note that I only count the original submission and not the various revisions that a paper may go through before a final editorial decision). I have reviewed for 145 different journals.**

*Academy of Management Review* (2004)  
*Accounting and Finance* (2011)  
*American Journal of Agricultural Economics* (1991, 1992)  
*Applied Economics* (1992, 1993, 1994, 1998, 2006, 2008, 2009, 2016, 2017, 2021(7), 2022, 2023(3))  
*Applied Economics Letters* (2016, 2017, 2018(2), 2021(3), 2022, 2023(2), 2024(4), 2025)  
*Applied Energy* (2008, 2011, 2013, 2016, 2017, 2020(3))  
*Applied Financial Economics* (2005)  
*Asia Pacific Management Review* (2008)  
*Australian Economic Papers* (2009)  
*Blockchain: Research and Applications* (2021)  
*Bulletin of Economic Research* (2012)  
*Business Ethics: A European Review* (2018)  
*Business & Society* (2008, 2010, 2013)  
*Business, Strategy and the Environment* (2013)  
*Canadian Journal of Economics* (1991, 1993, 1994, 1995, 1997, 1998, 2002, 2021)  
*Canadian Journal of Forest Research* (2009)  
*China Finance Review International* (2021, 2023)  
*Climate Policy* (2020)  
*Cognitive Economics & Finance* (2024(4))  
*Comparative Economic Systems* (2005)  
*Contemporary Economics* (2013)  
*Contemporary Economic Studies* (2013)  
*Contemporary Economic Policy* (2002, 2005, 2009)  
*Corporate Social Responsibility & Environmental Management* (2018)  
*Data Science and Management* (2024)  
*Ecological Economics* (2003, 2004, 2005, 2019)  
*Economic Change and Restructuring* (2021, 2024)  
*Econometric Reviews* (1991, 1992)  
*Economic Modelling* (2012(2), 2013, 2014, 2015, 2016(4), 2017, 2018(6), 2019(2), 2020, 2024)  
*Economic Papers* (2015)  
*Economic Systems* (2013, 2022)  
*Economics Bulletin* (2018, 2019)  
*Economics Research International* (2011)  
*Emerging Markets Finance and Trade* (2007, 2008, 2010, 2011, 2012(2), 2013, 2015, 2016(2), 2017(2), 2018, 2021)  
*Empirical Economics* (1996, 2009, 2010, 2011, 2015(2), 2017, 2018)  
*Energies* (2012, 2018, 2020)  
*Energy* (2008, 2009(2), 2010(3), 2011(2), 2012(4), 2013(5), 2014(2), 2015, 2016(2), 2017(2),

2020(6), 2021(3), 2022(3))  
*Energy and Environment* (2017)  
*Energy, Development and Sustainability* (2014)  
*Energy Economics* (2002, 2004, 2005, 2007, 2008(6), 2009(6), 2010(15), 2011(9), 2012(13),  
 2013(20), 2014(16), 2015(13), 2016(4), 2017(2), 2018(10), 2019(25), 2020(22), 2021(39),  
 2022(26), 2023(6), 2024(14))  
*Energy for Sustainable Development* (2018)  
*Energy Journal* (2003 (2), 2005(2), 2006, 2007, 2008(2), 2009(2), 2010(3), 2011(2), 2012,  
 2013(3), 2014(2), 2015(1), 2017, 2019(2), 2020(2), 2022)  
*Energy Policy* (2008, 2009(6), 2010 (6), 2011 (7), 2012(5), 2013(8), 2014(2), 2015(3), 2016(3),  
 2017(6), 2018, 2019, 2020(3), 2021(5))  
*Energy Reports* (2021)  
*Environment, Development and Sustainability* (2014)  
*Environmental Economics and Policy Studies* (2011)  
*Environmental and Resource Economics* (2011(2), 2014)  
*Environmental Modelling and Assessment* (2019)  
*Environmental Pollution* (2021)  
*Environmental Science and Pollution Research* (2017, 2019, 2020)  
*European Economic Review* (2009)  
*European Journal of Operational Research* (2001)  
*Finance Research Letters* (2011, 2016, 2017, 2018(2))  
*Financial Innovation* (2018, 2024)  
*Financial Markets and Portfolio Management Journal* (2016)  
*Futures* (2013, 2016)  
*Global Business & Economics Review, Anthology* (2002)  
*Global Business & Economics Review* (2003)  
*Global Environmental Change Advances* (2024)  
*Global Finance Journal* (2008, 2010, 2012, 2014(4), 2017, 2018, 2024(2))  
*Growth and Change* (2013)  
*Humanities & Social Science Communications* (2021)  
*IEEE Transactions of Industrial Informatics* (2021, 2022)  
*Information Resources Management Journal (ad hoc reviewer, 2005-2007, 2005(1), 2006(1),  
 2007(1))*  
*Intelligent Systems in Accounting, Finance and Management* (2022)  
*International Economics* (2020)  
*International Economic Review* (2006)  
*International Finance* (2018)  
*International Journal of Banking, Accounting and Finance* (2016)  
*International Journal of e-Business Management* (2008, 2009)  
*International Journal of Economic Sciences and Applied Research* (2010)  
*International Journal of Energy Sector Management* (2010)  
*International Journal of Finance and Economics* (2018(2), 2021(2), 2022(4), 2023, 2024)  
*International Journal of Financial Studies* (2018, 2023)  
*International Journal of Global Energy Issues* (2009, 2012, 2016, 2017)  
*International Journal of Management Science and Engineering Management* (2012)

*International Review of Economics and Finance* (2005, 2013, 2017, 2018, 2019, 2023)  
*International Review of Finance* (2016, 2017)  
*International Review of Financial Analysis* (2011, 2012, 2024)  
*Journal of Applied Economics* (2015(2))  
*Journal of Applied Econometrics* (2007, 2009)  
*Journal of Applied Statistics* (2016)  
*Journal of Asian Economics* (2020(2))  
*Journal of Business and Economic Statistics* (1994)  
*Journal of Business Economics and Management* (2011, 2017)  
*Journal of Business Ethics* (2009, 2013, 2014(2), 2015)  
*Journal of Business Research* (2011)  
*Journal of Chinese Economic and Business Studies* (2017)  
*Journal of Cleaner Production* (2010, 2011, 2020(6), 2021(2), 2022)  
*Journal of Climate Finance* (2023, 2024, 2025)  
*Journal of Commodity Markets* (2016)  
*Journal of Economics and Business* (2003)  
*Journal of Economics and Management Strategy* (2011)  
*Journal of Empirical Finance* (2009, 2010)  
*Journal of Environmental Economics and Management* (1992, 1993, 1996, 2006, 2007, 2008, 2014)  
*Journal of Environmental Management* (2009, 2021)  
*Journal of International Financial Markets, Institutions & Money* (2024)  
*Journal of Media Economics* (2014)  
*Journal of Open Innovation: Technology, Market and Complexity* (2023)  
*Journal of Operations Management* (2005)  
*Journal of Quantitative Economics* (1991)  
*Journal of Renewable and Sustainable Energy* (2016)  
*Journal of Risk and Financial Management* (2018, 2019, 2020, 2021)  
*Journal of Sustainable Finance & Investment* (2024(2))  
*Journal of Water Resources Planning and Management* (1993)  
*Journal of Zhejiang University- Science A* (2009)  
*Macroeconomics and Finance in Emerging Market Economies* (2020, 2021)  
*Machine Learning with Applications* (2022)  
*Managerial Finance* (2007)  
*Management Research International* (2011)  
*Mathematical and Computer Modelling* (2011)  
*Natural Resources Forum, a United Nations Sustainable Development Journal* (2010)  
*Nature Energy* (2019)  
*North American Journal of Economics and Finance* (2018(2), 2020(2), 2022)  
*Pacific-Basin Finance Journal* (2018, 2020)  
*Policy Sciences* (2010)  
*Population and Environment* (2014, 2019)  
*Quantitative Finance* (2009)  
*Quantitative Finance and Economics* (2017, 2018(3))  
*Quarterly Review of Economics and Finance* (2007, 2008, 2010, 2011, 2016, 2024)

*Renewable Energy* (2022)  
*Research in International Business and Finance* (2024)  
*Resource and Energy Economics* (2013(3))  
*Review of Finance* (2012)  
*Review of Financial Economics* (2006, 2007, 2010, 2017)  
*Review of Futures Markets* (ad hoc reviewer, 2007, 2008)  
*Science of the Total Environment* (2019, 2020)  
*Scottish Journal of Political Economy* (2010)  
*Singapore Economic Review* (2020(3), 2021, 2022, 2024)  
*South Asian Journal of Global Business Research* (2012)  
*Southern Economic Journal* (2004, 2010)  
*Studies in Nonlinear Dynamics and Econometrics* (2008)  
*Sustainable Development* (2018, 2020, 2022)  
*Sustainability* (2020(2), 2021(3))  
*Technological Forecasting and Social Change* (2020, 2021(2), 2023)  
*The European Journal of Finance* (2016)  
*The Financial Review* (2013)  
*The Journal of Risk* (2017))  
*The Manchester School* (2009)  
*The North American Journal of Economics and Finance* (2018)  
*The Scandinavian Journal of Economics* (2010)  
*The World Economy* (2008)  
*Transactions on Internet Technology* (2022)  
*Transportation* (2019)  
*University of California Water Resources Center Contribution Series* (1991)  
*Urban Studies* (2015)  
*World Development* (2013)

#### **b) Conference Paper Selection Committee**

Member, Scientific Committee, 2024 Massey Sustainable Finance Conference 02-03 December 2024 at Massey University (Auckland campus), New Zealand, <https://masseysfc2024.sciencesconf.org/>

Member, Scientific Committee, 6<sup>th</sup> International Symposium on Energy and Finance Issues, Paris, May 24-26, 2017. <https://isefi.sciencesconf.org/>

Member, Scientific Committee, 12<sup>th</sup> AEEE Conference Association Espanola Para La Economia Energetica, Salamanca Spain, February 2-3, 2017. [http://www.aeee.es/xii\\_congreso\\_aeee/en/](http://www.aeee.es/xii_congreso_aeee/en/)

Member, Scientific Committee, 5<sup>th</sup> International Symposium on Energy and Finance Issues, Paris, May 22-23, 2017. <https://isefi.sciencesconf.org/>

Member, Scientific Committee, Understanding Strategic Choices for Renewable Energy Investment, St. Gallon, February 11-12, 2010.

Member, Program Committee of the Seventh Wuhan International Conference on E-Business, May 31 – June 1, 2008, Wuhan, China.

Member, Technical Advisory Committee, 2007 Hydrogen and Fuel Cells Conference, Vancouver, B.C. April 29- May 2, 2007.

Member, International Program Committee (IPC) for the Fourth IASTED International Conference on Financial Engineering and Applications (FEA 2007), Sept. 24-26, 2007, Berkeley, California.

Co-chair, Strategic IT Management Track, of the Information Resource Management Association (IRMA) 2007 International Conference, Vancouver, Canada, May 19-23, 2007.

Member, International Program Committee (IPC) for the Third IASTED International Conference on Financial Engineering and Applications (FEA 2006), Oct 9-11, 2006, Cambridge, Massachusetts.

Co-chair, Strategic IT Management Track, of the Information Resource Management Association (IRMA) 2006 International Conference, Washington, D.C., May 21-24, 2006.

Member, Program Committee of the Information Resource Management Association (IRMA) 2006 International Conference, Washington, D.C., May 21-24, 2006.

Member, Program Committee of the Information Resource Management Association (IRMA) 2005 International Conference, San Diego, May 15-18, 2005.

Member, International Association of Science and Technology for Development (IASTED) Technical Committee on Financial Engineering, 2003-2006

1996-1998 Association of Environmental and Resource Economists, member of conference paper selection committee.

### **c) Reviews of Conference Papers (Recent)**

Academy of Management Annual Meetings, Montreal, August 2010, reviewed one paper for Organizations and the Natural Environment.

Academy of Management Annual Meetings, Montreal, August 2010, reviewed three papers for Business Policy and Strategy.

Academy of Management Annual Meetings, Chicago, August 2009, reviewed one proposal for

All Academy Symposium.

Academy of Management Annual Meetings, Chicago, August 2009, reviewed three papers for Organizations and the Natural Environment.

Academy of Management Annual Meetings, Chicago, August 2009, reviewed four papers for Business Policy and Strategy.

Decision Sciences Institute, Baltimore, November 2008, reviewed one paper on decision sciences.

Academy of Management Annual Meetings, Anaheim, August 2008, reviewed three papers for Organizations and the Natural Environment.

Academy of Management Annual Meetings, Anaheim, August 2008, reviewed four papers for Business Policy and Strategy.

Administrative Sciences Association of Canada, May 24-27, 2008, Halifax, Nova Scotia, (reviewed one paper for the Strategy Division).

Seventh Wuhan International Conference on E-Business, Wuhan China, May 31 – June 1, 2008 (reviewed four papers)

4<sup>th</sup> IASTED International Conference on Financial Engineering and Applications, Berkeley, CA, Sept. 24-26, 2007 (reviewed four papers on financial engineering).

Academy of Management Annual Meetings, Philadelphia, August 2007, reviewed three papers for Organizations and the Natural Environment.

Academy of Management Annual Meetings, Philadelphia, August 2007, reviewed three papers for Business Policy and Strategy.

3<sup>rd</sup> IASTED International Conference on Advances in Computer Science and Technology Phuket, Thailand, April 2 – 4, 2007 (reviewed one paper on risk management and IT).

3<sup>rd</sup> IASTED International Conference on Financial Engineering and Applications, Cambridge, MA, Oct. 9-11, 2006 (reviewed three papers on financial engineering).

Administrative Sciences Association of Canada, June 3-6, 2006, Banff, Alberta, (reviewed two papers for the Technology and Innovation Management Division, reviewed three papers for the Strategy Division).

16<sup>th</sup> IASTED International Conference on Modelling and Simulation – MS, May 23-26, 2006 in Montreal, Canada (reviewed one paper on modeling and simulation applications in finance).

Academy of Management Annual Meetings, Hawaii, August 2005, reviewed three papers for Organizations and the Natural Environment.

5<sup>th</sup> IASTED International Conference on Power and Energy Systems (Europe), Benalmadena, Spain June 15-17, 2005 (reviewed three papers on energy modelling).

7<sup>th</sup> IASTED International Conference on Power and Energy Systems (U.S.), Clearwater Beach, Florida, Nov. 28 to Dec 1, 2004 (reviewed one paper on energy modelling).

2<sup>nd</sup> IASTED International Conference on Financial Engineering and Applications, Cambridge, MA, Nov. 8-10, 2004 (reviewed two papers on financial engineering).

15<sup>th</sup> IASTED International Conference on Modelling and Simulation – MS, March 1-3, 2004 in Marina Del Rey, CA, USA. (reviewed three papers on modeling and simulation).

Administrative Sciences Association of Canada, June 1-4, 2004, Quebec City, (reviewed three papers for the Finance Division,).

#### **d) Reviews of Research Applications**

2023 SSHRCC insight grant application  
2021 SSHRCC insight grant application  
2021 MITACS Accelerate Proposal (3)  
2018 SSHRCC insight grant application  
2015 Netherlands ORA research grant application  
2013 SSHRCC standard research grant application  
2011 Israel Science Foundation  
2010 NSERC Discovery Grant  
2007 Ryerson University, Post-Doctoral Fellowship Application  
2002 National Centre of Excellence (Canada) (AquaNet)  
2001 University of Brussels  
2000 Binational (U.S. and Israel) Agricultural Research and Development Fund  
1998 SSHRCC standard research grant application  
1994 University of Maryland Agricultural Experiment Station  
University of California Water Resources Center

#### **e) Book Reviews**

2013 *Energy Economics and Financial Markets*, by Andre Dorsman, John L. Simpson and Wim Westerman Springer.

2006 *Knowledge-Based Enterprises: Fundamentals and Theories*, Idea Group.

2005 *Business Forecasting* (Eighth edition) by Hanke and Wichern, Prentice-Hall

2002 *Business Forecasting* (Seventh edition) by Hanke, Wichern, and Reitsch. Prentice-Hall

2000 *Macroeconomics* (Fifth edition) by Dornbusch, Fischer, Startz, Atkins, and Sparks,

McGraw Hill

#### **f) Book Chapter Reviews**

2006 Adoption of ICT in an Australian Rural Division of General Practice: A Socio-Technical Analysis using Actor-Network Theory, in *Information Communication Technologies And Healthcare Systems: Costs And Benefits*, Idea Group Inc. Hershey PA.

2003 The benefits and limitations of e-learning in institutions of higher education, in *Digital Economy, Impacts, Influences and Challenges*, Idea Group, Inc.

2003 Digital products on the web: pricing issues and revenue models, in *Digital Economy, Impacts, Influences and Challenges*, Idea Group, Inc.

#### **g) Book Proposal Reviews**

2016 *The Economics & Econometrics of the Energy-Growth Nexus: A Manual*, Elsevier.

2012 *Energy Superpower: Canada's Quest to Balance the Economy and the Environment*, University of Toronto University Press.

2011 *The Business Case of Sustainable Finance*, Cambridge University Press.

2010 *The Rise and Fall of Dubai*, Oxford University Press.

2004 *The Museum and the Art Gallery: New Frontiers in Thinking About Business Risk*, Elsevier.

1994 *Forecasting in Business and Economics* (3rd Edition), Academic Publishers

#### **h) Media**

Has been interviewed by the media and appeared on radio and TV numerous times.

#### **i) Conference Discussant and Session Chair**

Has discussed conference papers and been session chair at numerous conferences.

#### **j) Academic Networks**

Member of Sustainable Canada Dialogues (<http://www.sustainablecanadadialogues.ca/en/scd>) I am a member of a task force writing a report for Natural Resources Canada on investigating *Transitioning to a Low-Carbon, Competitive Energy Future*.



## **TEACHING**

### **a) Undergraduate Teaching (some of these courses were taught with multiple sections in the same year)**

York University

ECON 1010 Macroeconomics for Managers (BBA core course) (2025)

ECON 2000 Applied Macroeconomics (BBA core course) (2006, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2015, 2016, 2018, 2022)

ECON 3110 Microeconomics for Management (BBA core course) (1994)

ECON 4070 Natural Resource and Environmental Economics (BBA elective course) (1994)

ECON 4210 Economic Forecasting and Analysis (BBA elective course) (1993, 1994, 1995, 1996, 1999, 2000, 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025)

University of California, Riverside

Environmental Science 143 (Natural Resource Economics) (1990, 1991, 1992)

### **b) Graduate Teaching (some of these courses were taught with multiple sections in the same year)**

York University

BSUS 6600 Sustainability and Carbon Finance (MBA elective course) (2009, 2010, 2011, 2013)

ECON 5010 Microeconomics for Management (MBA core course) (1993)

ECON 5100 Economic Environment of Business (MBA core course) (1997, 1999, 2000, 2001, 2002, 2003, 2004)

ECON 6210 Economic Forecasting and Analysis (MBA elective course) (1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2022, 2023)

University of California, Riverside

Economics 208 (Natural Resource Management) (1993)

Management 205B (Econometrics) (1991, 1992)

### **c) Executive Education**

Schulich Executive Education Centre

Sustainability (2006, 2007, 2008)

### **d) New Course Development**

1994 ECON 4070 Natural Resource and Environmental Economics (BBA course)  
2008 BSUS 6600 Sustainability and Carbon Finance (MBA course)

### **e) Undergraduate Supervision**

Supervisor for ECON 4900 (Guided Study)

Bryan Chen (2018) Introduction to statistical learning  
Maxim Zubov (2009) Energy trading and risk management

### **f) Graduate Supervision**

Supervisor for ECON 6900 (Guided Study)

Alexandre Pestov (2010) The Elusive Canadian Housing Bubble  
Mehmut Yinanc (2007) Algal Biodiesel: a Primer  
Hassen, Rushdy (2004) The VOIP Industry: Developing a strategic approach and an analysis of termination prices.  
Pringle, James (2004) Forecasting the economic and social impacts of HIV/AIDS in the USA.  
Banik, Arjit (2003) Evaluation of practical market timing strategies.  
Vilmek, Dino (2003) Forecasting the NASDAQ biotech index: Analysis with Eviews.  
Walsh, Ryan (2002) Flying South: The Future of the Toronto Blue Jay.

### **g) Ph.D. examinations**

External examiner for Ph.D. thesis (Finance) Universite Paris-Saclay (2023)

Chair of the examining committee for Ph.D. thesis (Business Administration - Finance) in the Schulich School of Business (2014)

Outside examiner for Ph.D. thesis (Economics) in the Faculty of Arts (2010)

Outside examiner for Ph.D. thesis in the Faculty of Environmental Studies (2001)

### **h) Other advising**

Faculty advisor to SSB Bright Ideas Group – Alberta Environmental Initiative (2007)  
Faculty advisor to SSB Bright Ideas Group – DuPont Wind Power Initiative (2008)

### **i) Case competitions**

RISE 2010, Schulich School of Business, November 5 -6, 2010. Judge for the International Business Case Competition.

Dean's Cup Case Competition in Sustainability, Schulich School of Business, November 24, 2010.

## **UNIVERSITY SERVICE**

### **Committee Work**

York University

2023-2025	SSB BBA Committee
2017-2023	SSB Masters Admission Committee
2019-2020	Member SSB hiring committee
2018-2019	Member SSB hiring committee
2015-2016	Vanier Application Development Committee (SSHRCC)
2013-2017	SSB Student Affairs Committee
2012	On sabbatical (calendar year)
2009-2010	SSB Library Committee
2008-2009	SSB Library Committee
2007-2008	SSB Student Affairs Committee
2007	York Research Development Fellowship Appeal Committee
2005	On sabbatical (calendar year)
2003-2004	Treasurer, YUFA Faculty Club Board of Directors York Research Development Fellowship Appeal Committee Chair, SSB Library Committee SSB Executive Committee
2002-2003	Treasurer, YUFA York Research Development Fellowship Committee Chair, SSB Library Committee SSB Executive Committee
2001-2002	Treasurer, YUFA Senate Committee on Teaching and Learning Senate Sub-Committee on Teaching, Inclusivity, and Diversity York Research Development Fellowship Appeal Committee Chair, SSB Library Committee SSB Executive Committee
2000-2001	Senate Committee on Teaching and Learning Senate Library Committee Senate Sub-Committee on Teaching, Inclusivity, and Diversity Chair, York Faculty Sabbatical/Leave Fellowship Fund Committee York Research Development Fellowship Committee

1999-2000	Chair, SSB Library Committee SSB Executive Committee Senate Committee on Teaching and Learning Senate Library Committee Chair, SSB Library Committee SSB Executive Committee
1998	YUFA Joint Sub-Committee on Information and Technology On sabbatical (calendar year). Visiting International Scholar, University of California, Davis (calendar year)
1997-1998	Senate Library Committee Chair, SSB Library Committee SSB Executive Committee
1996-1997	Senate Library Committee Chair, SSB Library Committee SSB Executive Committee
1995-1996	FAS Library Committee
1994-1995	FAS Library Committee

University of California, Riverside

1993-1994	Department of Soil and Environmental Sciences, Social and Welfare Committee
1992-1993	Department of Soil and Environmental Sciences, Social and Welfare Committee
1991-1992	Department of Soil and Environmental Sciences, Social and Welfare Committee
1990-1991	Department of Soil and Environmental Sciences, Social and Welfare Committee