

Curriculum Vitae

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Education: B.Sc., Mathematics and Applications, University of
 Toronto, 1970.
 Ph.D., Economics, Massachusetts Institute of
 Technology, 1978.

Assistant, Associate and Full Professor, Department of Economics,
McGill University, since 1978

Country Representative for Canada, European Association of
Environmental and Resource Economists

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Professional Publications since 2001

“Accounting for Non-Marketed Capital”, *Review of Income and Wealth*, forthcoming, DOI 10.1111/roiw.12514 (with G.A. Davis),

“Measurement of Diverse, Irreversible Capital”, *Review of Income and Wealth* 69,4, December 2023: 931—951.

“Intragenerational Inequality Aversion and Intergenerational Equity”, *European Economic Review* 144 (with V. Martinet and S. del Campo), May 2022.

“Reconciling Hotelling Resource Models with Hotelling’s Accounting Method”, *The Energy Journal* 43:5 (with J.M. Hartwick), 117 – 138, 2022.

“Letter to the Editor on Belfiori (EEEEP Vol. 10(1)), ‘Fossil Fuel Subsidies, The Green Paradox and The Fiscal Paradox’”, *Economics of Energy and Environmental Policy* 10, 1: 265-266, March 2021 (with G.A. Davis and J.L. Smith)

“Growth and Long-Run Sustainability”, *Environment and Development Economics* 25, 1: 1-22, 2021 (with V. Martinet)

“A Point-Input, Point-Output Forest as a Micro Prototype for Capital Accounting”, *Natural Resource Modeling* 32,4, November 2019

“The Green Paradox: A Hotelling Cul de Sac”, *Economics of Energy and Environmental Policy* 8, 2, 22 pages, 2019, DOI:10.5547/2160-5890.8.2.rcai (with J.L. Smith)

“Sustainability of an Economy Relying on Two Reproducible Assets”, *Journal of Economic Dynamics and Control* 101, 145-160, Feb. 2019 (with S. del Campo and V. Martinet)

“El Serafy’s Template for Nonrenewable-Resource Accounting”, *l’Actualité Economique*, juin-septembre 2019, 161-173

“Stranded Oil of Erewhon”, *Energy Policy* 121, October 2018, 248-251.

“Economic Accounting in the Simple Hotelling Model”, *Resource and Energy Economics* 18:1, 2018, 15-27

“The Odd Notion of ‘Reversible Investment’”, *Journal of Banking and Finance* 81C, 2017, 172–180 (with G.A. Davis).

“Faustmann’s Formulas for Forests”, *Natural Resource Modeling*, 30 (1), 2017: 52 – 73.

“Mineral Depletion and the Rules of Resource Dynamics”, *The Energy Journal*, 36 S11, 2015: 159-178 (with G. Davis).

“An Environmental-Economic Measure of Sustainable Development”, *European Economic Review* 69: 4-17, July 2014 (with V. Martinet).

“The Green Paradox of the Economics of Exhaustible Resources”, *Energy Policy* 65: 78-85, February 2014.

“Sustainability or the Measurement of Wealth?”, *Environment and Development Economics* 18, 5: 640-648, October 2013.

“The Fundamental Problem of Accounting”, *Canadian Journal of Economics* 46, 2: 634-655, May 2013.

“Green Microaccounting for Oil Extraction” in *Encyclopedia of Energy, Natural Resource, and Environmental Economics*, Vol. 1, J.F. Shogren (ed.), Amsterdam: Elsevier, pp. 151-155, 2013.

“OPEC: Market Failure or Power Failure?”, *Energy Policy* 50: 570-580, November 2012 (with E. Calfucura)

“Good Timing: The Economics of Optimal Stopping”, *Journal of Economic Dynamics and Control* 36, 1: 255 – 265, February 2012 (with G.A. Davis)

“Accounting for Sustainability: A Dissenting Opinion”, *Sustainability* 3: 1341-1356, 2011.

“Sustained Development of a Society with a Renewable Resource”, *Journal of Economic Dynamics and Control*, 34 (6), June 2010, 1048-1061 (with H. Tian)

“Green Accounting for Black Gold”, *The Energy Journal* 30 (4), October 2009, 113-139

“Value and Income,” *Ecological Economics* 66 (2-3), June 2008, 417-424

“Exhaustible Resources, Non-Convex Costs and Competitive Equilibrium,” *Environment and Resource Economics* 40 (2), June 2008, 177-193

“Accounting for Sustainability or Accounting for the Environment?” *Resources Policy* 31(4), December 2007, 211-216

“Strike when the Force is With You: Optimal Stopping with Application to Resource Equilibria”, *American Journal of Agricultural Economics* 89 (2), 2007, 461-472 (with G.A. Davis)

“Maximin: A Direct Approach to Sustainability”, *Environment and Development Economics* 11, 275-300, 2006 (with N.V. Long)

Review of *Welfare Measurement in Imperfect Markets*, by T. Aronsson, K.-G. Lofgren and K. Backlund, *Scandinavian Journal of Economics*, 2005

“Implementing Carbon Credits for Forests based on Green Accounting”, *Ecological Economics*

56, 2006, 610-621 (with P. Lasserre)

“Rejecting the Hotelling Valuation Principle”, *Empirical Economics* 30, 473-478 (with G. A. Davis)

“The Choice of the Cutoff Grade in Mining”, *Resources Policy* 29, 75-81, 2005 (with T. Shinkuma)

Review of Economic Theory for the Environment: Essays in Honour of Karl-Goran Mäler, eds. B. Kristrom, P. Dasgupta and K.-G. Lofgren, *Journal of Economic Literature*, 2004

“Two Proposals to Improve Price-Cap Regulation”, *Journal of Institutional and Theoretical Economics* 160, 2, 2004, 243-251 (with A.G. Heyes)

"Reinforcing Economic Incentives for Carbon Credits for Forests", *Forest Policy and Economics* 6, 2004, 321-328 (with P. Lasserre)

“Green Accounting for an Externality: Pollution at a Mine”, *Environment and Resource Economics* 27, 2004, 409-427

“Principles of Green Accounting for Renewable and Nonrenewable Energy Resources,” *Energy Policy* 32, 2004, 261-267

“Maximin without Discounting,” *Natural Resource Modeling* 16, 2003, 121-126.

“Reconciling the Green Accounts,” *Environmental and Resource Economics* 25, 2003, 51-63

“Green Accounting Using Imperfect, Current Prices”, *Environment and Development Economics* 7, 2002, 207-214

"Green National Income and Expenditure", *Canadian Journal of Economics* 35, 1, February 2002, 1-15.

“Green Accounting for a Commercial Fishery”, in *Microbehavior and Macroresults, Proceedings of the Tenth Biennial Conference, International Institute of Fisheries Economics and Trade*, 2001, 4 pp.

“Adelman’s Rule and the Petroleum Firm”, *The Energy Journal* 22, 3, 2001, 31-54 (with G. A. Davis)

“Capacity Choice and the Theory of the Mine”, *Environmental and Resource Economics*, 18, 2001, 129-148

“Seeing the Trees as a Forest: What Counts in Green Accounting”, *Ecological Economics* 36, 2001, 61-69

“Liberalization by Regulation”, in *New Management Trends in the New Century, Proceedings of the Fourth International Conference on Management (ICM 2001)*, ed. Xi Youmin, Huang Haijun, Liang Lei, Wang Kanliang, China Higher Education Press, Beijing and Springer-Verlag, Berlin and Heidelberg, 719-726

“The Ratchet Effect under Cournot Rivalry”, in *New Management Trends in the New Century, Proceedings of the Fourth International Conference on Management (ICM 2001)*, ed. Xi Youmin, Huang Haijun, Liang Lei, Wang Kanliang, China Higher Education Press, Beijing and

Springer-Verlag, Berlin and Heidelberg, 747-756 (with A. Soubeyran)