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EDUCATION

Ph.D. Energy Management & Policy, 1988
University of Pennsylvania.

M.A. Economics, 1984
University of New Hampshire.

B.S. Biology (Concentration: Ecology & Systematics), 1979 with honors
Cornell University.

PROFESSIONAL EXPERIENCE

Chair, Department of Geography & Environment, Boston University, September 2009 – August, 2012.

Founding Partner, First Fuel Software 420 Bedford St. Lexington, MA 02420 November 2009 – 2019. First Fuel sold to *Uplight* June 2019.

Governor's Energy Policy Review Commission, January 2013 – October 2013. The Governor of Massachusetts has charged this committee with writing a report to the legislature on the success and cost-effectiveness of programs under chapter 169 of the acts of 2008 (the Green Communities Act).

Director, Center for Energy & Environmental Studies, Boston University, September 2006 – August, 2009; September 2012-present.

Professor, Department of Geography and the Center for Energy & Environmental Studies, Boston University, September 2003 - present.

Associate Professor, Department of Geography and the Center for Energy & Environmental Studies, Boston University, September 1995 - 2003.

Assistant Professor, Department of Geography and the Center for Energy & Environmental Studies, Boston University, September 1989 - 1995.

Senior Economist, Energy Department, Wharton Econometrics, September 1987 - August 1989.

Research Scientist, Complex Systems Research Center, University of New Hampshire, February 1982 - August 1984.

Research Technician, Complex Systems Research Center University of New Hampshire, September 1979 - January 1982.

BOOKS

R.K. Kaufmann and C.J. Cleveland. 2007. *Environmental Science*. McGraw-Hill, New York.

C.A.S. Hall, C. Cleveland, and R. Kaufmann. 1986. *Energy and Resource Quality: The Ecology of the Economic Process*, John Wiley & Sons, New York. Reprinted by University Press of Colorado, Niwot CO. 1992.

J. Gever, R. Kaufmann, D. Skole, and C. Vorosmarty. 1986. *Beyond Oil: The Threat to Food and Fuel in the Coming Decades*. Ballinger Press, Cambridge, Mass. Reprinted by the University Press of Colorado, Niwot Colorado. 1992.

ARTICLES UNDER REVIEW

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Zhang, A., N. Kulatilaka, S.F. Murphy, R. K. Kaufmann, Will the US Electric Sector Achieve its Climate Pledges? *Proceedings National Academy of Sciences*

PEER REVIEW ARTICLES

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Kaufmann, R.K., 2023, Energy price volatility affects decisions to purchase energy using capital: motor vehicles, *Energy Economics*, 126 106915
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Kaufmann, RK, and C. Schroer, 2023, Social and environmental events disrupt the relation between motor gasoline prices and market fundamentals, *Energy Economics*, 126: 106914 <https://doi.org/10.1016/j.eneco.2023.106914>

Tendler, A.C. and R.K. Kaufmann 2023, A learning by doing multiplier accelerates the transition to photovoltaic cells, *Journal of Climate Finance*, 4100016, <https://doi.org/10.1016/j.eneco.2023.106915>

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The relation between marginal product and price in US energy markets. Political Economy of Global Energy. Brown Bag Luncheon Seminar. MIT. March 28, 1994.

The Outlook for the World Oil Market. World Project LINK Conference. March 10, 1994. The United Nations, NY.

The Outlook for the World Oil Market. World Project LINK Conference. September 13, 1993. Beijing, The People's Republic of China.

An Empirical Model of the World Oil Market. New England Chapter International Association for Ecological Economics. MIT. May 16, 1993.

Energy Supply, Economic Activity, and Social Change in the US and Former Soviet Union. Ecological Economics: Linking Economics and the Environment. University of Missouri at St. Louis. March 26, 1993.

An Empirical Model of the World Oil Market. Political Economy of Global Energy. Brown Bag Luncheon Seminar. MIT. March 24, 1993.

Integrating economic and physical models of climate change (Plenary Talk). Integrated Models of Global Climate Change: Coupling Social and Natural Sciences. The Potsdam Institute for Research on Climate Change Impacts. Potsdam, Germany. November 25, 1992.

A User's Guide to Carbon Taxes. University of New Hampshire, October 13, 1992. Durham NH.

An unexpected source of leakages from a unilateral carbon tax. World Project LINK Conference. Ankara, Turkey, September 17, 1992.

The economic cost of reduced yields of corn in Iowa due to climate change. International Society of Ecological Economists. August 6, 1992 Stockholm, Sweden.

The Outlook for the World Oil Market. World Project LINK Conference. September 24, 1991. Moscow, USSR.

Policies to increase US oil production: Likely to fail, damage the economy, and damage the environment. Pennsylvania Energy Office. September 5, 1991. Harrisburg, PA.

A Model of the World oil market for Project LINK. World Project LINK Conference. November 9, 1990 Manila, Philippines.

Tracking the emission of carbon dioxide by nation, sector, and fuel: A trace gas accounting system. International Society for Ecological Economics. May 23, 1990. Washington DC.

A Biophysical Analysis of the Energy/Real GDP Ratio in the "Big Five". International Society for Ecological Economics. May 23, 1990. Washington DC.

A Biophysical Analysis of Substitution: Does Substitution Save Energy in the US Forest Products Industry? Ecological Economics: Implications for Forest Management and Practice. April 4, 1990. St. Paul MN.

World Oil Markets: The Possibility for Another Oil Shock. Wharton International Forum. Wharton Business School, University of Pennsylvania. September 7, 1989.

A New Model of the Link Between Energy and Economics. Plenary Speaker. Third Annual Conference for Microcomputer Applications of Energy Use. November, 1988. Tucson AZ.

Do Flexible Functional Forms Generate Accurate Estimates of Energy Demand? Eighth Annual North American Conference of the International Association of Energy Economists. November, 1986. Boston, Mass.

US Carrying Capacity: What are the Limits? Global Tomorrow Coalition Meeting, June, 1983. Washington, D.C.

Modelling Gas Exchange in a Closed Biological System. Third International Conference on the State of the Art in Ecological Modelling. May 1982. Fort Collins, Colorado.

Net Energy Analysis of Importing Energy. International Symposium on Energy and Ecological Modelling. April 1981. International Society for Ecological Modelling. Louisville, Kentucky.

CONSULTING

European Central Bank. Assembled a long-run forecast for world oil prices.

World Bank. Built model of the world oil market for the modeling division.

ABSAR Corporation, Saudi Arabia, Analyzed the effect of changes in the price of crude oil on end-user prices in OECD nations.

European Central Bank. Built model of world oil market.

IPEA & Ministry of Finance (Brazil) Forecast of US invasion of Iraq on world oil Prices.

Arthur Andersen Consulting. Knowledgespace Consultant.

Nomura Research Institute. 1994. Review of world oil supply and demand models and estimation of energy demand models for newly industrialized economies in Asia.

Japan National Oil Corporation. Built model of world oil market.

Charles River Associates. 1993. Helped assess the effect of the BTU tax included in President Clinton's FY 94 Budget on the US oil production and drilling rates.

Chase Econometrics, Energy, Metals, & Materials. October 1984 - August 1987.

Micromosaics, 1984. Wrote computer program for Ecology Lab, an educational computer game that teaches the fundamental principles of ecology.

WGBH-NOVA, 1985. Wrote the teaching guide for Ecology Lab.

PEER REVIEW

Science	Nature
Ecological Economics	The International Journal of Forecasting
The Economic Journal	Resource and Energy Economics
The Energy Journal	Economic Modelling
Landscape Ecology	Agronomy Journal
Structural Change and Economic Dynamics	Ecological Applications
Energy: The International Journal	The Annals of Regional Science
Environment and Development Economics	Global and Planetary Change
Atmospheric Environment	Climatic Change
Review of Economics and Statistics	Environmental Management
The Journal of Environmental Economics and Management	
Journal of Geophysical Research (D) Atmospheres	

PROFESSIONAL SERVICE

Proposal Review

National Science Foundation, NASA, US EPA, US Department of Agriculture, Social Sciences and Humanities Research of Canada, Swiss National Science Foundation.

Review Panels

NASA

Panel for LBA grants (September 1997)

Site visit LBA-Ecology mid tenure review panel February (2001)

Site visit LBA/LCLUCC assessment of Richard Biltsburrow (UNC), Robert Walker (MSU) and Emilio Moran (IU) November 2001)

NSF

Site visit to Carnegie Mellon University to review renewal of NSF grant to the Carnegie Mellon Center for Integrated Study of the Human Dimensions of Global Change (CIS-HDGC) of \$8 million for five years (October 1999)

Review of NSF funding for IIASA (about \$5 Million) February 2001

Media Presentations

I have appeared on the national nightly news on NBC and CBS.

I have been quoted repeatedly in publication such as *The New York Times*, *National Geographic*, *Readers Digest* and many newspapers

I have written an Econoblog for *The Wall Street Journal* (with James Hamilton)

About wice a year, I appear on local TV to explain changes in oil prices.

Interviewed by Richard Kerr of *Science* regarding the outlook for world oil prices (Richard A. Kerr OPEC's second coming *Science* **281**:1129.)

Several TV appearances and print interviews for *Journal of Geophysical Research* paper (Zhou *et al.*, 2001).

Research is one of five projects chosen by Boston University to appear on the Boston University Science Coalition Research Website (<http://www.bu.edu/research/Features/scicoalition02/warming.html>)

Print interviews for *Nature* paper (Kaufmann and Stern, 1997 (e.g. Financial Times of London)

International Society for Ecological Economics

Ran for President of the US chapter of the International Association of Ecological Economists in fall 2000 (Lost).

Helped organize 1996 ISEE meeting at Boston University

UNIVERSITY SERVICE

Director of Graduate Students, Center for Energy and Environmental Studies, Fall 2000 to present

Helped write internal review of the Center for Energy & Environmental Studies

Director, Center for Energy & Environmental Studies, Spring 2000.

Board of Directors, Boston University Children's Center. Spring 1992 - present

Director of Graduate Students, Center for Energy and Environmental Studies, Fall 1989 - Spring 1993.

Freshman and Transfer Summer Advisor, Summer 1990 - 1993.

Chair Search Committee, Department of Geography, Spring 1992

Freshman Friday Lectures, Spring 1992 and Spring 1993.

Center for Talented Youth Lectures, Fall 1992 and Fall 1993.