

CURRICULUM VITA

CHARLES D. KOLSTAD

OFFICE: Department of Economics (North Hall 2127)
University of California, Santa Barbara, CA 93106-9210 USA
Tel. (805) 893-2108; Fax (805) 893-8830;
Email: kolstad@econ.ucsb.edu; Homepage: <http://econ.ucsb.edu/~kolstad>

EDUCATION:

Ph.D. Stanford University (1982)
Eng.-Econ. Sys. (Economics and Operations Research)
Fields: Econometrics, Economic Development
M.A. University of Rochester (1973) Mathematics
B.S. Bates College (1969) Mathematics (High Honors)

PERMANENT FACULTY POSITIONS:

January 1993 to present University of California, Santa Barbara, *Professor*,
Department of Economics (50%); Donald Bren School of Environmental
Science and Management (34%); Environmental Studies Program (16%).
August 1983- August 1994 University of Illinois, Urbana-Champaign, *Professor*,
Institute for Environmental Studies and Department of Economics;
affiliate, Regional Science Program, Institute for Govt & Public Affairs
(1983-88: *Assistant Professor*; 1988-92 *Associate Professor*)

OTHER PROFESSIONAL POSITIONS:

Spring 99 & 00 Stanford University, *Visiting Professor of Economics*
Summer 1998 New Economic School, Moscow, Russia, *Visiting Professor of Economics*
April 1998 Catholic University of Leuven, Belgium, *Visiting Professor of Economics*
Fall 1995 Stanford University, Institute for International Studies, *Visiting Scholar*
January 1993 Catholic University of Leuven, Belgium, *Visiting Professor of Economics*
Winter, 1992 Univ. of California, Santa Barbara, *Visiting Assoc. Professor of Economics*
August 1986- August 1987 Massachusetts Institute of Technology
Visiting Assistant Professor of Applied Economics

June 1985- Norwegian School of Economics and Business Administration,
August 1985 Bergen, Center for Applied Research, *Visiting Scholar*

August 1974- University of California, Los Alamos National Laboratory
August 1983 (Economics Group), Los Alamos, New Mexico, *Staff Member*.

CURRENT AND RECENT RESEARCH AREAS:

Environmental and resource/energy economics; industrial organization and regulation; public economics; environmental regulation and valuation; economics of information; computation of equilibrium; climate change; coal and electricity markets.

PROFESSIONAL SOCIETY SERVICE:

President-elect, Association of Environmental and Resource Economists (2000-2002)
Board of Directors, Association. of Environmental and Resource Economists (1995-97)

CONSULTING AND OTHER SELECTED POSITIONS:

United Nations Environment Programme, January 2000 (co-taught in Kenya, to African water managers, short course on management of lake eutrophication).
The World Bank, 1991--present (various projects).
Oak Ridge National Laboratory (Tenn.), 1990 (review of EIA data collection).
Oak Ridge National Laboratory (Tenn.), 1992-1993 (review Natll Energy Modelling System)
CMT International (Cambridge, MA), May 1987--October 1987 (Kuwait energy policy).
Energy Laboratory, Massachusetts Institute of Technology, 1984-1986 (review of NAPAP Advanced Utility Simulation Model for EPRI, DOE and EPA).
Resource Economics Corporation (Urbana, IL), 1984-94 (economic software development).
Los Alamos National Laboratory (New Mexico), 1983-1988 (European gas, technical change).
New Mexico Energy Research and Development Institute, 1982-1984 (NM Coal Market Study).
Raytheon Corporation, 1973-1974.
Peace Corps, Ghana (West Africa), 1969-1971.

CONGRESSIONAL TESTIMONY:

"The Use of Economic Incentives for Air Pollution Control in the Southwest," presented before the Committee on Environment and Public Works, U.S. Senate, Albuquerque, New Mexico (July 6, 1983).
"The Four Corners Regional Study," presented before the Subcommittee on Health and Environment, U.S. House of Representatives, Washington, D.C. (May 19, 1981).

EXPERT TESTIMONY:

Economic Analysis Corporation, 1994-96 (expert testimony on valuing environmental resources -- American Trader Oil Spill).

Charles River Associates (Boston, MA), 1989-1990 (antitrust and economics of coal markets).

Worsham, Forsythe, Sampels and Wooldridge (Dallas, TX), 1988-90 (expert testimony on antitrust, coal markets and electric power)

AWARDS/RECOGNITION:

University Scholar, University of Illinois, 1988-91

List of Faculty Rated as Excellent by Students, University of Illinois, Fall 1989

Arnold O. Beckman Award, 1983-84

Fellowship, Center for Operations Research and Econometrics, Catholic University of Louvain, Belgium, 1983-84, 1992-93 (declined)

ADVISORY BOARDS:

Member, Advisory Council on Clean Air Act Compliance Analysis, US Environmental Protection Agency, 1999 -- .

Member, Review Committee, Decision and Information Sciences Division, Argonne National Laboratory, Chicago, IL, 1998 --.

Member, Environmental Economics Advisory Committee, Science Advisory Board, US Environmental Protection Agency), 1992 -98.

Member, Risk Reduction Committee, Science Advisory Board, US Environmental Protection Agency, 1996-7.

Member, Board on Energy and Environmental Systems, National Academy of Sciences/National Research Council, 1994-95

Member, Committee on Fuel Economy of Automobiles and Light Trucks, National Academy of Sciences/National Research Council, 1991-92

Member, Energy Engineering Board, National Academy of Sciences/National Research Council, 1990-94

Participant, U.S. National Academy of Sciences -- Academy of Sciences of the USSR Program for Young Professional Economists, 1990-91

Participant, Electric Power Research Institute, Economics Advisory Committee, 1992

Member, University of Chicago Review Committee for Energy and Environmental Systems Division, Argonne National Laboratory, 1988-91

JOURNAL EDITORIAL POSITIONS:

Editor, *Resource and Energy Economics* (1998--; Co-editor, 1994-97)

Board of Editors, *Land Economics* (1998--)

Editorial Council, *Journal of Environmental Economics and Management* (1989-91; 1998--)

Associate Editor, *Journal of Economic Dynamics and Control* (1995-1997)

Associate Editor, *Journal of Environmental Economics and Management* (1992-93)

Board of Editors: *Energy Journal* (1984 -94), *Resource and Energy Economics* (1993 -94)

CONFERENCES ORGANIZED (jointly):

National Bureau of Economic Research *Workshop on Trade and Environment*, Snowmass, Colorado (Aug. 12, 1998)

First, Second, Third, Fourth and Fifth *California Environmental Economics Workshop*, Santa Barbara, CA (May, 1993; Oct. 1994; May, 1996; Oct 1998; May 2000).
Environmental Policy with Economic and Political Integration: The European Community and the United States, University of Illinois, (1993)

PROFESSIONAL ORGANIZATIONS (MEMBERSHIP):

American Economic Association
Association of Environmental and Resource Economists
Econometric Society
European Association of Environmental and Resource Economics
International Association for Energy Economics

RESEARCH GRANTS AND CONTRACTS:

US Environmental Protection Agency, "California Workshop on Environmental Resource Economics," \$51,459, 10/98 – 9/01 (PI).
US Department of Agriculture, "Testing Models of Learning and Adaptation for Agriculture in Responding to Climate and Other Shocks," \$25,000, 10/96--12/97 (PI).
US Department of Energy, "Climate Variability, Stochasticity and Learning in Integrated Assessment Models," \$380,182, 9/96 -- 9/99 (PI).
Minerals Management Service, "Valuation of Coastal Resources--Understanding Substitution in Time and Space," \$57,399, 7/1/95--8/1/96 (co-PI).
US Department of Energy, "Learning and Enhanced Climate Representation in Integrated Assessment Models," \$230,000, 9/94--12/96 (PI).
National Institute for Global Environmental Change, Midwest Regional Center, "Incorporating Learning into an Integrated Assessment Model of Climate Change," \$168,109, 7/94--6/97 (PI).
Committee on Research, University of California, Santa Barbara, "The 'Hypotheticalness' of Contingent Valuation," \$4,000, 1994-5 (PI).
University of Illinois Research Board, "An Experimental Test of the Hypothetical Aspect of Contingent Valuation," \$1,950, 1994 (PI).
National Science Foundation, "The Timing of Control of Stock Externalities in the Presence of Learning with an Application to Global Warming," \$121,000, 1991-95 (PI).
US Agency for International Development, "Environmental Policy and Training," approx. \$35,000 per year 1992-94 (part of larger multi-university project).
US Information Agency, "Environmental Policy and the 1992 Integration of Europe," \$99,744, 1991-94 (Co-PI).
University of Illinois Research Board, "The Timing of Control of Stock Externalities with Learning: An Application to Global Warming," \$4,500, 1990-91 (PI).
Illinois World Trade Center Association, "Eastern and Western European Boiler Inventory," \$19,320, 1990 (PI).
Illinois Department of Energy and Natural Resources, "Review of the State-of-the-Art of Measuring Environmental Benefits," \$39,000, September 1987--February 1988 (PI).
Illinois Center for Research on Sulfur in Coal, "The Utility Market for Desulfurized Coal," \$124,000, September 1986--August 1988 (PI).
Illinois Department of Energy and Natural Resources, "Promoting Illinois Coal through Clean Coal Technologies," \$46,000, July 1987--July 1988 (Co-PI).

Massachusetts Institute of Technology, Center for Energy Policy Research, "Studies in Electric Utility Regulation," \$10,000, January 1987--June 1988 (PI).
University of Illinois Research Board, "Studies in Electric Utility Behavior: Bias and Efficiency in Response to Emission Regulations," \$1600, Summer 1986 (PI).
University of Illinois Research Board, "Measuring Market Conduct in a Spatial Market: The Case of US Coal," \$7500, September 1984--July 1985 (PI).
U.S. Department of Energy, "Evaluating Oil and Gas Backout from Electric Utilities," \$100,000, October 1981--September 1982 (PI).
Los Alamos National Laboratory, "Studies in Bi-Level Programming," \$120,000, October 1980--September 1982 (PI).
Los Alamos National Laboratory, "Modeling the International Steam Coal Market," \$100,000, October 1981--September 1982 (PI).
National Commission on Air Quality, "Four Corners Study of Alternatives to the Clean Air Act," \$650,000, October 1980--May 1981 (Co-PI).

POSTDOCTORAL SUPERVISION:

David L. Kelly, Ph.D., Carnegie-Mellon University (1994), 5/95 -- 7/98
Currently: Assistant Professor of Economics, University of Miami.

DISSERTATION COMMITTEES:

Doctoral (Research Supervisor)

Glenn Mitchell (UCSB, Economics, PhD, pending)

Gregory Hunter (UCSB, Economics, PhD, pending)

Jeff Wagner (UIUC, Economics, Ph.D., 1998, "Economic Aspects of Radioactive Waste Management")

Yuqing Xing (UIUC, Economics, Ph.D., 1995, "Trade and Environment") [Currently a faculty member at International University of Japan]

Maria Cunha-e-sa (UIUC, Economics, Ph.D., 1994; Thesis title: "Essays in Environmental Economics: An Application to the Case of the Accumulation of Pollution") [Currently a faculty member at New University of Lisbon, Portugal]

Jong-Kun Lee (UIUC, Economics; Ph.D., 1991; Thesis title: "Modeling and Measuring Technical Change and Productivity Growth") [Currently with the Bank of Korea]

Rodger Woock (UIUC, Economics; Ph.D., 1989; Thesis title: "Market Power and Transportation Price Formation: Theory and an Application to the Captive Shipper Problem") [Currently with USWest]

Doctoral (Committee Member Only)

Edmund Balsdon (UCSB, Economics; Ph.D., pending)

Shawn Knabb (UCSB, Economics, Ph.D., pending)

Rolando M. Guzman (UIUC, Economics; Ph.D., 1997)

Roxanna Barrantes (UIUC, Economics; Ph.D., 1992)

Noelwal Netusil (UIUC, Economics; Ph.D., 1992)

Aisling J. Reynolds (UIUC, Geography; Ph.D., 1989)

Khalid Abdul Rahim (UIUC, Agricultural Economics, Ph.D., 1989)

Dan Biller (UIUC, Economics; Ph.D., 1990)

Sundak Suh (UIUC, Urban and Regional Planning; Ph.D., 1989)

Omar Ben-Ayed (UIUC, Business Administration; Ph.D., 1988)
Dah-Nein Tzang (UIUC, Economics; Ph.D., 1985)
Lon Carlson (UIUC, Economics; Ph.D., 1984)

Masters

Larry Hull (MIT, Management; M.Sc., 1987)
Cosimo Asciente (UIUC, Agricultural Economics; MA, 1992)

TEACHING

UCSB:

Econ 115/EnvSt 175: *Environmental Economics* (upper level undergrad)
EnvSt 174: *Environmental Policy and Economics* (lower level undergrad)
Econ 260B: *Environmental Economics* (PhD level)
ESM 243: *Environmental Policy Analysis* (Masters level)
ESM 204: *Economics for Environmental Management* (Masters level)
Econ 594ER: *Workshop in Env. & Res Econ* (PhD level, with R. Deacon)

UIUC:

Economics 300: *Intermediate Microeconomics* (undergrad)
EnvSt 236: *Tomorrow's Environment* (lower level undergrad)
Economics 495: *Public and Environmental Economics Workshop* (PhD level)
Economics 464: *Environmental Economics* (PhD level)
EnvSt 341: *Environmental Simulation* (upper level undergrad)
Economics 389: *Industrial Organization* (upper level undergrad)
Economics 288: *Government Regulation of Economic Activity* (undergrad)
LAS 295: *Environmental Quality* (Honors, lower level undergrad)
Economics 463: *Resource Economics* (PhD level)

MIT:

15.019: *Energy Economics and Policy* (Masters level)

STANFORD:

Economics 101 *Economic Policy Analysis* (upper level undergrad)
Economics 155 *Environmental Economics and Policy* (upper level undergrad)