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Curriculum Vitae

ALAN K. McADAMS
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Professional Address

Johnson Graduate School of Management
342 Sage Hall
Cornell University
Ithaca, New York 14853
(607) 255-6443-O
(607) 254-4590-F

Residence

2 The Byway
Ithaca, New York 14850
(607) 257-0044

Married, Four Sons

Date of Birth

March 1, 1930

Education

B.A.	Yale University	1952
M.B.A.	Stanford University	1958
Ph.D.	Stanford University	1960
(Participant, Stanford-Sloan Program, 1958-1959)		

Academic Positions

Johnson Graduate School of Management, Cornell University

9/1/60 - Assistant Professor of Managerial Economics and Finance

7/1/64 - Associate Professor of Managerial Economics with tenure

1/1/70 - On leave through 9/2/72

9/1/75 - On leave through 9/1/78

7/1/84 - 9/1/85 - Director, Office of University Internal Consulting (Part Time)

Graduate School of Business, Stanford University

1/1/70 - 8/31/71 - Visiting Associate Professor

Other Professional Positions

President's Council of Economic Advisors

9/1/71 - 8/31/72 - Senior Staff Economist

Areas of Responsibility:

- Economics of Antitrust Policy
- Economics of Telecommunications and other Regulated Industries
- Economics of Pollution Control
- Economics of Science and Technology Policy

United States Department of Justice

Re: United States v. International Business Machines Corporation
10/1/72 - 2/1/82 - Chief Economist, Expert Witness and Consultant;
Full Time: 6/1/75 - 9/1/78, 9/1/80 - 1/21/81

Economic Strategy Institute (ESI), Visiting Fellow, 1990

Awards: Stanford

Floyd L. McElroy Memorial Fellowship, 1957-58

Alfred P. Sloan Memorial Fellowship, 1958-59

Continental Oil Company Fellowship, 1959-60

Awards: Cornell

Ford Foundation Faculty Fellowship for Research in Business, February 1, 1966 through January 31, 1967

Ford Foundation Travel and Study Award, September, 1969

Visiting Fellow, Economic Strategy Institute (ESI) 1990

Professional Achievement Award, IEEE- USA, 1994

JGSM Globalization Travel Grant: Japan, MBA Japan Trip, 1994

JGSM Globalization Travel Award: Singapore/Malaysia, 1996

Russell Distinguished Teaching Award, 1996. Presented annually by the Fifth Year Re-Union Class of the Johnson School, Cornell University

Russell Distinguished Teaching Award, 1998. Presented annually by the Fifth Year Re-Union Class of the Johnson School, Cornell University

Citation, IEEE-USA Board of Directors in Recognition of Dedicated Service:
Workshop on the Evolution of Telecommunications Infrastructure over the Next Decade,
October, 1999

Publications

Operations Research in Nonindustrial Firms (monograph) (with others) G.S.B., Stanford, 1959

The Labor Management Statute of 1959-1960 (doctoral dissertation), 1960

Power and Politics in Labor Legislation (Book) Columbia University Press, 1964
(Selected by Princeton University as one of the ten outstanding books in the field), 1964

"Financial Decisions and the New Decision Tools," with Harold Bierman in the Financial Executive, May, 1964

"Big Steel: Invention and Innovation, Reconsidered," Quarterly Journal of Economics, August, 1967

"Critique of a Lock Box Model," Management Science: Applications, October, 1968

Decision Making Under Uncertainty (Book), with Thomas R. Dyckman and Seymour Smidt, both of Cornell University, Macmillan, 1969

Mathematics for Management Decisions (Book) Macmillan, 1970

"The Lock Box Location Problem -- A Class of Fixed Charge Transportation Problems," Banking, with Alan Kraus and Christian Janssen, 1971

"The Penn Central Crisis, A Fairy Tale, and the Northeast Rail Bill," in Perspectives on Federal Transportation Policy, A.E.I., 1975

"The Computer Industry," in The Structure of American Industry, Sixth Edition, Walter Adams, Ed., Macmillan, 1982

"IBM v AT&T," in the Cornell Executive, Cornell University, Summer, 1982

"An Industrial Policy for the U.S.," in Industrial Policy; Hearing Before the Joint Economic Committee of the Congress, May 18, 1982

"The Price of Dropping the Antitrust Suit," The New York Times May 13, 1984

"Economic Benefits and Public Support of a National Education and Research Network," 1988. Invited Paper; National Net88

"HDTV and the Information Age", 1991; Invited Paper, Conference, Paris, France

"Perspectives: Telecommunications in the NII," IEEE, 1993.

"Pursuing the National Information Infrastructure Dialog," IEEE, 1994.

"Economic Impacts and Costs of a National Education and Research Network," with William L. Dougan, T. Vietorisz and J. Lombardi, Educom Bulletin, Summer/Fall 1988.

"A National Research and Education Network," Invited Paper; National Net89.

"Pursuing the National Information Infrastructure Dialog," Technology Management: Strategies and Applications for Practitioners, Vol. 1, No. 4, 1995, with J.M. Richardson.

"Economic Efficiency for Internet Public Goods," Internet Economics, MIT Press, 1997.

"Connecting Business and the Environment: Seminars in Industrial Ecology 1997 and 1998". Ithaca, NY: Johnson Graduate School of Management, 1998.

"The World in 2010, The All Fiber Scenario," IEEE-USA Committee on Communications and Information Policy (CCIP), 2000.

"The Evolution of the U.S. Telecommunications Infrastructure over the Next Decade: The Role of Optical Fiber in Future Networks", IEEE-USA Committee on Communications and Information Policy (CCIP), 2000.

"Report from the Workshop: This Decade's (R)evolutionary Telecommunications Paradigm", IEEE-USA Committee on Communications and Information Policy (CCIP), March 2003.

"The Case for End-User-Ownership of Advanced Fiber Networks (AFNs)", Rural Telecon 2003, Washington D.C., Sept 28-Oct 1, 2003.

NYSERNet Monographs

Market and Economic Impact Studies (MEIS): Produced by MEIS Project Team¹,
Published by NYSERNet (New York State Education and Research Network, Inc.)

Report 1: Initial Marketing Analysis, 130 pages, (1987).

Report II: Lessons from Four Networks, 58 pages, (1988).

The PINCNet Network at Cornell's Johnson School
The Cornell National Supercomputer Facility
Dartmouth's Project NORTHSTAR
The KIEWIT network at Dartmouth

Report III: General Overview, 12 pages, (1988).

Volume I: The Supercomputing Community, 42 pages

Volume II: The Biomedical Community, 55 pages

Volume III: Education K-12, 40 pages

Volume IV: Industrial Clients, 45 pages

Other Monographs

Management Decisions for Cash and Marketable Securities (monograph) (with
Harold Bierman) Graduate School of Business and Public Administration, Cornell
University, 1962

Improving Railroad Productivity, Report on the Task Force on Railroad Productivity,
Executive Office of the President, 1975

The Hospitality Industry in a Time of Fundamental Change, Monograph, 1984
Commissioned by Cornell University School of Hotel Administration.

"Some Factors Important as Determinants of Regional Development,"
in the Report of the Southern Tier Economic Development Council Conference, May
28-29, 1986, Conducted jointly by Cornell University and SUNY - Binghamton.

Connecting Business and the Environment: Seminars in Industrial Ecology, Cornell,
1998.

IEEE-USA: "Entity Statements," White Papers, and Workshop Reports

"Industrial Competitiveness", United States Activities Board, May 28, 1986

"The Semiconductor Trade Issue and Supercomputers", Subcommittee on
Supercomputers, Committee on Communications and Information Policy (CCIP), March
18, 1987

"Gallium Arsenide Technology", United States Activities Board, June 18, 1987

"Strengthening the Office of Science and Technology Policy", Committee on US
Competitiveness, November 24, 1987

"Advanced Scientific Computing Capability Development", United States Activities Board,
May 7, 1988.

"US Supercomputer Vulnerability", Scientific Supercomputer Subcommittee, Committee
on Communications and Information Policy (CCIP), August 8, 1988

¹ MEIS Project Team: Alan K. McAdams, Cornell University, Principal Investigator; Thomas Vitorisz, New School for Social Research/Cornell University; William L. Dougan, Cornell University; James T. Lombardi, Cornell University

"Maintaining the Defense Technology Base," Workshop on the Relationship Between Military and Civilian Fiber Optics, Report, September 16, 1988

"National Initiative for Electronics Industries", Technology Activities Council, January 25, 1989.

"HDTV and the Competitiveness of the US Consumer Electronics Industry," Committee on US Competitiveness, February 1, 1989.

Workshop on Creation of Government/Industry Partnerships through the Formation of American Technology Corporations, Report, February 13-14, 1989

"US Supercomputer Vulnerability", United States Activities Board, February 22, 1989.

"Supercomputer Hardware", IEEE-USA Scientific Supercomputer Subcommittee, May, 1989.

"Role of a US DRAM Consortium to Revitalize the US Electronics Base", IEEE-USA Workshop, June 26-27, 1989

"Supercomputing: A Collection of Reports" (Reference Document) Committee on Communications and information Policy, May 16, 1991 (Provide to Appropriate House and Senate Staffs)

Congressional Testimony and Congressional Briefings

Testimony before the Joint Economic Committee of the Congress "A US National Industrial Policy, An Inevitable Response to a Changed World" in Industrial Policy (Hearing), May 18, 1982

Testimony on "Computer Networks and High Performance Computing" before Senator Gore's Sub-committee on Commerce, Science and Transportation, August 11, 1988.

Briefing on HDTV and the Competitiveness of the US Consumer Electronics industry for Congressman Edward J. Markey, Chair, House Subcommittee on Telecommunications and Finance, February 1, 1989

Testimony on Advanced Television Systems- "Regaining the Competitive Edge", House Committee on Science, Space and Technology, March 22, 1989

Briefings of Congressman Gephardt, Democratic Technology Caucus, 1990
3 separate occasions

Briefings of Congressman Ritter, Republican Technology Caucus, 1990
2 separate occasions

Testimony followed by Briefing for Congressman Rowe, Chair, House Commerce Committee, 1990

Testimony, Committee on Government Operations, on "US Government Procurement of Japanese Supercomputers," before Congressman Conyers, Chair; July 1, 1992

Federal Government Studies

Cumulative Regulatory Effects on the Cost of Automotive Transportation, Office of Science and Technology; February, 1972

Improving Railroad Productivity, Final Report of the Task Force on Railroad Productivity,
to The National Commission on Productivity and the Council of Economic Advisors;
November, 1973

U.S. Industrial Competitiveness, A Comparison of Steel, Electronics, and Automobiles,
Office of Technology Assessment; July, 1981

Working Papers

"Resources that are Inherently Not Scarce (INS)," (1997), *

"Different Strokes for Different Folks [for INS Goods]," (1997)*

*Invited papers, presented, Joint European Networking Conference (JENC);
Budapest, Hungary, 1997.

Professional Activities

American Economic Association

National Research Council:

Member, Evaluation Panel, Institute for Computer Sciences and Technology,
National Bureau of Standards, 1972-1978

Member, Executive Committee for Evaluation Panels, National Bureau of
Standards, 1975-1977

Council of Economic Advisors and the National Commission on Productivity:
Task Force on Railroad Productivity, 1972-1974

Engineering Foundation:

Chairman, Conference on Productivity in Service Industries, 1973

American Association for the Advancement of Science:

Member, Ad Hoc Committee on Technology Transfer Incentives, 1975

Office of Technology Assessment;

Chair, Advisory Panel for Study: U.S. Industrial Competitiveness; A Comparison
of Steel, Electronics, and Automobiles, 1980-1981

Institute for Electrical and Electronics Engineers (IEEE)

Member, Committee on Communication and Information Policy (CCIP) 1982-
present

Vice-Chair, CCIP (1984-1986)

Chair, Subcommittee US Technology Leadership (1983-1993)

Member, Subcommittee on High-Performance Computing (1982-1994)

Member, several current Subcommittees

Member, Committee on U.S. Competitiveness (1983-1986)

Chair, Organizing Committee, Workshop on "The Evolution of the US
Telecommunications Infrastructure over the Next Decade," (1999)

Chair, "Workshop on the Evolution of the US Telecommunications Infrastructure over the Next Decade" (October 21-23, 1999)

The Computer Society

Member, Subcommittee on Scientific Supercomputing (1994-present)

Cornell University Committees

President's Advisory Committee for the Selection of a Dean, 1961, 1968

Committee on the Professional and Economic Status of the Faculty 1964-1970, 1986-1987, Chair, 1967-1968, Chair, 1986-1987

Temporary European Studies Committee, 1967-1968

European Studies Committee, 1968, 1969, Chair, 1969

Cornell University Faculty Council, 1969-1970

Cornell University Constituent Assembly, 1969-1970 Interim, Steering Committee, Interim Speaker 1969, Special Drafting Committee for Constitution of (the first) Cornell University Senate, 1969

Cornell University Faculty Council of Representatives (FCR), 1975-1976, 1981-1995

Cornell FCR, University Budget Committee, 1982-1985; Chair, 1982-1983, 1983-1984, 1984-1985

University Budget Planning Priorities Committee, 1982-1983, 1983-1984, 1984-1985

Cornell University Assembly Budget Committee, 1982-1983, 1983-1984, 1984-1985

Task Force on University Operational Efficiency, 1983-1984

Chair, FCR - Financial Policies Committee (1988-1990)

Chair, FCR - Executive Committee (1991-1993)

Founding Member - FCR Commission on Higher Education (1991-1993)

Founding Member - Faculty Advisory Board on Information Technology (FABIT)

1994-1996, Re-appointed 1996-1998

Chair, Off-campus Networking Task Force. 1994-1998

Chair, "Crusade", CIT Task Force on Student Networking Matters

Founding Member - Faculty Senate; reelected, 1998 to present

Member Executive Committee - Spring 1999

Participant in University Programs

Cornell University

National Institute of Labor Education, 1961, 1962

Executive Development, ILR School, 1963 (2), 1964

Education Program of United Steel Workers Union, 1963

Agribusiness Executive Program, 1966, 1982

Executive Development Program, Johnson Graduate School of Management, 1963,
Group Leader (Quantitative Analysis) 1964, 1965; Associate Coordinator, 1966,
Coordinator, 1967-1970, Lecturer, 1971, 1972, 1978-present

Purchasing Management Development Program, 1972-1982, 1984-1997

Northeast Rails in Crisis, Forum, Chair, 1975

Credit Union Executive Development Program 1978-1996

Food Executives Development Program, 1982, 1983

Faculty Seminar on Industrial Policy, 1982-1983, 1983-1984, 1984-1985, 1987

Academic Leadership Series; Discussion Leader or Reporter:

April 15, 1994

May 10, 1994

October 28, 1994

May 8, 1995

December 11, 1995

May 1, 1997

May 3, 1998

December 9, 1998

Stanford University

Stanford Graduate School of Business, Executive Development Program, 1970

Johnson Graduate School of Management Committees

Committee on Advanced Degrees, 1960-1966

Policy Committee, 1960-1967

Faculty Recruitment, 1962-1966, 1967-1968, Chair, 1965

Committee on the Seminar for Honors Students, Chair, 1966-1969

International Studies Committee, 1968-1969

Committee on the Education Program and Curriculum, 1962-1965, Chair, 1967-1969

Committee on Academic Standards, 1973, 1974

Computing Committee, 1984-present

Hyundai Executive Program, 1996, 1997

Co-Chair Sage Hall Technology Infrastructure Committee, 1997-1998

Faculty Liaison, Technology Action Group (TAG), 1997-Present

Consulting

Consultant to group of public utilities on cost-price relationships in antitrust matters, 1961-1964

Ford Foundation Sponsored Management Workshop at Trinidad Campus of the University of the West Indies February, 1965, 1966

Consultant to the Ford Foundation in Management Education in Argentina and Chile, 1965-1969

Management Development Consultant to IBM Systems Development Laboratory, 1967

Chairman, Advisory Committee for Ford Foundation Grant, Ibanez Foundation School of Business, Catholic University of Valparaiso, Chile, 1965-1969

Consultant to National Science Foundation, 1972, 1973

Founder and Chief Executive, Alan K. McAdams Associates, Ltd. 1978-present

Cornell School of Hotel Administration; Re: The Impact of New Technology on the Hospitality Industry; 1983

U.S. Department of Justice, 1972-1982 in Re: U.S. v. IBM

Kirkland and Ellis, Attorneys, 1983

Ernst & Young, Center for Business Information (CBI), 1997-Present

Consultant to National Science Foundation: Independent Evaluation, State Systemic Initiatives (SSIs) for Vermont, New Jersey and Virginia; Re: Uses of Technology to Enhance Math and Science Education, K-12, 1993-1996

The Role of Consortia in Support of Math and Science Education, K-12, 1993-1996

Ithaca Community Activities

Electronic Future Committee, Tompkins County Board of Representatives, 1995-Present

Partnership for the Electronic Future, Community Networking Consortium, 1997-1998