Faculty Profile



Dr. Sandor Boyson Research Professor & Co-Director, Supply Chain Management Center

Ph.D., Technology Planning, University of Sussex

Robert H. Smith School of Business Supply Chain Management Center 3355 Van Munching Hall College Park, MD 20742 301.405.2205 sboyson@rhsmith.umd.edu

CURRICULUM VITAE

Education:

Bachelor of Arts, Antioch College, Management Studies (1981)
Master of Philosophy, Institute of Development Studies (IDS), University of Sussex, United Kingdom, Economics & Planning (1985)
Doctor of Philosophy, Science Policy Research Unit/Graduate School of Social Sciences, University of Sussex, United Kingdom, Technology Planning & Management (1990)

Professional Experience:

University Service

University Of Maryland, College Park Robert H. Smith School Of Business Chief Information Officer (1998-2004)

In this capacity, he has helped lead the transition of the Smith School to a nationally recognized research and teaching institution with state of the art e-business infrastructure. Under his technology management and educational leadership, the Smith School's IT-enabled supply chain program and e-commerce program offerings have both grown in national rankings to number

four in the 2002 U.S New & World Report survey.

He leads a team of 30 professionals in aligning IT with the Dean's strategic vision and in providing instructional technology and technical research support for the School. He works closely with faculty to develop innovative instructional applications for technology. His group is responsible for overall management of computer networks, 500+ PCs, technology labs, classrooms, enterprise architecture, and all aspects of day-to-day operations, including responsibility for \$4.5 million Information Technology budget. Achievements to date include:

Established a collaborative relationship with the campus Office of Information Technology and managed an outsourcing arrangement designed to remove non value-added functions from the school.

Managed the IT portion of a \$35 million technology and facility upgrade on time and on budget.

Brought three new business locations on line, to include a satellite MBA facility, from construction to move-in.

Implemented a wireless LAN capable of supporting approximately 1000 users.

Reduced workforce turnover to zero.

Implemented policies to stabilize IT budgets and establish appropriate service levels.

Dr. Boyson recently led the opening of a new \$38 million dollar Business School building expansion with some of the most advanced multimedia instructional technology for classroom and labs in the U.S. founded and built out the Netcentricity Laboratory, a confederation of four distinct research labs focused on the financial, behavioral and supply chain aspects of the global real time enterprise. It is a multi-million dollar partnership with leading technology companies such as Sun, Oracle, Avaya, Tibco, Reuters, Cisco and Manugistics. The Net Lab/ Supply Chain component is currently the only academic lab in the world certified as an Internet Force Competency Center by Sun Microsystems; and was recently named a "best kept secret" by the Wall Street Journal's 2003

Guide To Business Schools.

His e-business research & development activities are currently focused on portal technologies, and he has deployed an innovative education portal for the Smith School which was profiled in the November 1 Issue of CIO Magazine; and multimillion dollar portal proofs of concepts for external customers including the State of Maryland and the Office of the Secretary Of Defense.

In addition to integration activities involving commercial technologies, he is also studying emerging, next-generation portal technologies. He is engaged in a research project for the Defense Advanced Research Projects Agency (DARPA) on technology management practices associated with intelligent agents. He also led a two year \$700,000 DARPA Project and Industry/Government Blue Ribbon Panel on Netcentricity that resulted in a major publication, "Harnessing The Power Of Netcentricity" (DARPA, 1999).

He has worked in the international arena for many years. Currently, he is assisting the Dean in the development of a global Consortium Of Management& Technology, involving eight technology-oriented business schools in key regions e.g. CERAM and DELFT Universities in Europe; Korean Institute Of Technology, Hong Kong Institute Of Science & Technology, etc.

Dr. Boyson has also served as a senior information technology consultant for international organizations including The World Bank, The Inter-American Development Bank and the Commonwealth of Puerto Rico (as the technology advisor to the Governor). He has published some 20 articles as well as two books on information technology, including: The East Asia Miracle and Information Technology: The Strategic Management of Technological Learning; Hanna, Nagy and Boyson, Sandor; The World Bank, Washington, D.C. 1996.

Supply Chain Management Center

Co-Director And Research Professor (1998-Present)

Founder and co-director of a research center devoted to technology-enabled Supply Chain Management, including the use of real time architectures that link corporations with customers, distributors and suppliers in an extended enterprise.

He directed a three year \$1 million project on corporate logistics best practices involving 600 companies, He directed multi-year surveys on physical and electronic supply chain practices for the National Industrial Transportation League, the largest organization of shippers in the U.S., and the Data Interchange Standards Association, a major EDI/XML standards body. These two groups comprise over 2,000 companies involved in supply chain and e-business activities.

Dr. Boyson has also provided supply chain consulting services to companies such as Hughes Network Systems, EDS and Allied Signal. Dr, Boyson is currently an advisor to the Office Of The Secretary Of Defense on technology-enabled new supply chain practices. He currently serves as Senior Advisor On The Sense and Respond Logistics Project of the Office Of Force Transformation, the major effort initiated by that Office to develop new system templates for transforming the military.

He has also provided executive education to companies such as Black & Decker and UPS. He created and teaches an MBA course entitled "Managing The Real Time Supply Chain"; as well as a \$250,000 multi-media online version of the same course under contract with the Department Of Defense.

University of Maryland University College, Graduate School of Management and Technology

Director, Master of Science In Technology Management Program/ & Associate Director, Technology & Engineering Management Division (1991-1998)

Served as lead academic administrator for the Master of Science in Technology Management Program, the largest of its kind in the US, designed to produce managers for high-technology companies, large-scale technical organizations and research institutions. Responsible for providing policy and operational leadership to a faculty of forty-five Ph.D.s and a student body of over six hundred. Maintained content and instructional quality of courses in subjects spanning technology strategy, systems engineering, operations, research administration and biotechnology management.

Taught graduate courses and executive seminars in Current Issues In

Technology and Innovation, and Technology Planning, with student ratings that consistently placed my instruction in the top tier of Graduate School faculty. Supervised graduate student capstone research projects. Academic rank of Associate Professor.

Supervised the transition of six Technology Management courses to on-line computer conferencing formats for use in University College's Virtual University and taught one course directly on-line. Certified instructor in Web-enabled and Interactive Video-based teaching systems. Led a new Graduate School-wide project with VTEL Corporation, a leading US supplier of distance education videoconferencing technology, to develop and deliver national multimedia content to corporations and governmental agencies.

Designed and implemented a six course Environmental Management track, the first in the Washington/Baltimore area. With funding support from Kaiser/ICF and the U.S. Department of Energy, assembled industry and university experts to develop the following courses: Introduction To Environmental Systems; Environmental Auditing; Corporate Environmental Planning; Communications and Reporting For Environmental Managers; New Technologies in Environmental Management, and Hazardous Materials Transportation. Recruited faculty and monitored teaching of courses. That specialization today has grown to over five hundred students and is among the fastest growing groups in the Graduate School.

Appointed by the Dean to a five member committee that rewrote the mission of the Graduate School; and to the writing committee that developed standardized writing guides, diagnostic tests and remedial services for students.

University of Puerto Rico, Medical Sciences Campus,

Special Assistant to the Chancellor & Director of Office of External Resources, (1986-1987)

Responsible for external resources strategy involving contract research, technology consultancy and sponsored projects. Negotiated with national Science Foundation, National Institutes of Health, and other sponsors. Managed all pre- and post- award processes. Doubled external resources from \$9 million

to \$18 million within an eighteen-month period. Installed an automated sponsored project information and accounting system.

National Technological University Lecturer (1997-1998)

Taught the "Strategic Technology Management" core course in the Technology Management Master Of Science Program, delivering course content to students in major corporations nationwide via interactive satellite television.

Saint Mary's University, Halifax, Nova Scotia, International Studies Program,

Visiting Lecturer 1991-1999

Conducted graduate lectures and seminars on the international impacts of information technology on organizations and businesses.

Selected Research Awards & Contracts

State of Maryland (2001)

Served as project lead for a \$2.5 million project to promote internet-led business in the state that focused on four activities: a) development of a mega-portal gateway prototype for the state of Maryland to serve as an intelligent gateway to web services for consumers, businesses and state employees that was unveiled at the Maryland Tech Showcase in January, 2001 b) development of a portal prototype for education in the state that enabled online course management, collaboration and global services delivery b) development of a hosted online small technology business support service utilizing the Oracle small business suite and university trainers and c) organization of a state-wide conference on internet-led economic development at the University Of Maryland in June,2002 that featured Internet pioneers such as Robert Kahn (inventor of TCP/IP protocols) and drew over 200 high-level participants. (2000-present)

Designed and fielded a first in the nation Inter-Modal Logistics Hub \$350,000 portal prototype for the Maryland Department Of Transportation in collaboration with Manugistics, the software firm voted Maryland company of the year in 2001.

Computer Sciences Corporation/ Office Of Secretary Of Defense (2001-2002)

Directed a \$2.3 million yearlong project to establish a reference Internet architecture and prototype for an end-to-end supply chain, from sensor to executive control panel. The project team included Sun Microsystems, Oracle, Manugistics, Avaya and General Electric and focused on the Air Force's F101 engine fleet.

Logistics Management Institute/ Office Of Secretary Of Defense (2001)

Directed preparation of a \$250,000White Paper on DOD Logistics Architecture For The Year 2006 that detailed evolving technology and managerial best practices and recommended key policy actions to promote readiness.

Directed preparation of a \$250,000 multimedia online course on "The Real Time Supply Chain" for use by the services, including script preparation and design concept/ development/ execution with Learnware, a professional courseware firm. (2001)

National Science Foundation (1999-2001)

Served as Co-Principal Investigator on a \$2 million study on scalable supply chain architectures that involved integration of innovative Available To Promise software with commercial ERP and Advanced Planning and Scheduling software and portal infrastructures

DARPA (1996-1999) (2002-present)

Served as Co-Principal Investigator on a three year \$850,000 "Netcentricity Best Practices" Project that involved creation and management of a National Blue Ribbon panel of industry, technology, academic and government experts who examined the impacts of networks on business and public sector.

Serve as co-Principal Investigator with V.S. Subrahamian of University Of Maryland Computer Sciences Department on a \$100,000 research project on integrating DARPA intelligent agents into commercial supply chain-wide enterprise architectures.

Westinghouse Corporation/U.S. Department of Energy Award 1997

Served as Principal Investigator on a \$2 million-long-term study of critical technical and organizational strategy issues in best practice logistics management involving over 600 companies across the U.S. Led a joint team of researchers from the University of Maryland's Graduate School of Technology & Management and the College of Business and Management at College Park in a benchmarking exercise involving in-depth interviews on site and in focus groups.

This investigation was divided into the following three separate interim reports: first, an analysis of the logistics best practices of corporate America with particular reference to the practices of chemical companies; second, an evaluation of best organizational models for logistics systems in order to accomplish identified best logistics practices; and third, an evaluation of logistics outsourcing relationships. The entire set of three reports was encompassed into a report entitled Transportation Best Practices Study, presented to the Office of Transportation, Emergency Management and Analytical Services, U.S. Department of Energy, in 1997.

Findings were highlighted in the following publications: Harvard Business Review, "Logistics: The Trend Continues", January, 1997, p. 8-9; "logistics Management: How 20 Best Practice Companies Do It", September-October 1995, p. 11-12; Transport Topics, "How to Get Good at Logistics", March 27, 1995, p.5; Commercial Carrier Journal, "Centralized Best Practice Makes Perfect Logistics", May, 1995, p. 46; and the Journal of Commerce, "Logistics Managers", February 5, 1996, p.1-2.

Kaiser ICF/U.S. Department of Energy Award (1993)

Directed the design and development of a \$40,000 state-of-the art Master's-level training program in Environmental Management. Supervised the work of a group of consultants, including university experts from the New Jersey Institute of Technology, University of Oklahoma, Findley University, etc.

United Nations University/World Institute of Development Economics Research (Helsinki) (1988)

Investigated and produced a report on the dynamics of technological transformation at the firm, sector and national level as part of a twenty-two country study.

U.S. Public Health Service Primary Care Research and Development Award, (1979-81)

Principal Investigator on a \$600,000 research project exploring alternative primary health care technology and management approaches.

Consulting Engagements

Office of Secretary of Defense, Directorate of Force Transformation . (Spring, 2002-present)

Serve as Senior Advisor to the Sense And Respond Logistics Project, a core policy and prototyping activity involving the Director of Force Transformation, the Director Of DARPA and the Commander of the Marine Corps. The goal of the project is to evolve new doctrine and operational techniques for Netcentric war fighting on the sea base, including a massively distributed agent-based architecture for end to end supply chain management under conditions of extreme volatility.

U.S Air Force, Office of The Chief Information Officer (2002)

Served as Senior Advisor to the CIO and the Director of Logistics Transformation on a second phase production pilot of a Supply Chain Portal linked to actual legacy Air Force inventory databases. Served to structure roll-out of portal and supervised conduct of a usability study in conjunction with UserWorks, a human factors engineering firm. Prepared way forward analysis for full scale transition of portal to production.

The World Bank, Washington, DC 1991-1998

Served as Senior Technology Advisor to the Bank's Information Technology Strategy Group. Prepared a comprehension strategy and investment analysis for a Bank-wide information technology for development program (1998).

Served as a Senior Technology/Industrial Advisor to the World Bank Mission in

Jerusalem, working at the Ministerial levels of Israeli/Palestinian dialogue on Post-Oslo Agreement industrial & technology promotion. Designed and executed a 200 firm multinational survey of potential US, European, Israeli and Overseas Palestinian investors. Briefed Bank headquarters officials on research results. Assisted in the preparation of an industry and technology investment strategy framework for the Palestinian Authority, and in the completion of a pre-feasibility study on industrial/free trade zones that resulted in the establishment of the Eretz Free Trade Zone. Advised the Principal Economist on a variety of strategy and operational issues (1996-1997)

Conducted an evaluation of the effectiveness of \$1 billion of World Bank investments in information technology and prepared investment strategy recommendations (1993-1994). Completed a review of the management of information technology in the East Asian private and public sectors (Japan, Hong Kong, Korea, Taiwan and Singapore) (1995).

Acted as a senior Technical reviewer of the Bank's India Information Technology Industry Strategy and the Indonesian Electronics and Engineering Strategies. Prepared formal appraisals of Bank strategies, programs and projects in these areas and briefed Bank managers (1993-1995).

Greensboro Development Corporation, North Carolina, 1992

Completed opportunity studies for a major business group on manufacturing and services expansion potential in the Piedmont Triad area, which spans High Point, Winston-Salem and Greensboro. Targeted high growth opportunities in the information services industry.

Commonwealth of Puerto Rico, San Juan, 1987-1989

Served as Science and Technology Advisor to the Governor of Puerto Rico and Coordinator of the Governor's Science and Technology Council. Crafted cooperative public/private strategies to promote the island's pharmaceutical manufacturing industry (which has 50% of the global production assets of the US pharmaceutical industry); the information/telecommunications industry (Puerto Rico accounts for 11% of the US electrons production assets); and high-tech entrepreneurial development. This latter aspect involved the creation of a

Venture Capital Law to stimulate private investments and the startup of a \$12 million technology fund.

TROPICO, INC., San Juan, 1989-1990

Advised a venture capital fund that invested in information service, environmental & waste management, food, pharmaceutical and health care products. Reviewed company startup and expansion plans, developed technology valuations and recommended venture investment approaches to the fund's management. Consulted with the corporate officers of portfolio companies, including RAI (Rockville, MD), Transgenic Sciences Inc. (Boston, MA) and Pan Labs (Seattle, WA).

P.R. Urban Renewal Corporation, San Juan, 1985-1986

Directed a Management Improvements Program and led a consulting team composed of financial and computer systems experts from Ernst and Young and IBM that reengineered this \$1 billion Development Corporation, the second largest in the United States after New Your City's. Installed an island-wide information system for automating financial transactions.

Other Assignments:

Chicago Tribune
Business Strategy
Chicago

Supply Management Inc. Business Strategy New Jersey

Martilla & Kiley Inc. Strategy Planning

Boston

Vanguard, Inc.
Strategy Planning
Boston

New York City Health and Hospital Corp. Strategy Planning and Health Policy New York City

Community Health and Education Center Health Systems Management Eugene, Oregon

Publications:

Books & Monographs

Boyson, Sandor (with Thomas M. Corsi and Lisa Harrington) "In Real Time: Managing the New Supply Chain", book to be published by Greenwood Publishing Company, (forthcoming: 2003).

Boyson, Sandor; Corsi, Thomas, "Logistics And The Extended Enterprise: Benchmarks And Best Practices For The Manufacturing Professional", published February, 1999, John Wiley and Sons, New York

Boyson, Sandor and Olian, Judy ": Harnessing The Power Of Netcentricity", DARPA, June 1999, Washington, D.C.

Hanna, Nagy and Boyson, Sandor, The East Asia Miracle and Information Technology: The Strategic Management of Technological Learning, The World Bank, Washington, D. C., 1996

Boyson, Sandor, Technological Change and Development, International Development Studies Series, No. 2, St. Mary's University, Halifax, Ashish Publishing House, New Delhi, 1993

Hanna, Nagy and Boyson, Sandor, Information Technology In World Bank Lending, World Bank Discussion Papers No. 206, Washington, D.C., 1993

Boyson, Sandor, "The Technological Transformation in Puerto Rico", in Technological Transformation in the Third World, Volume 3 (Latin America), pages 102-236, World Institute For Development Economics Research (Helsinki) and U.N. University's Institute For New Technologies (Maastricht), Avebury Press, Ashgate Publishing Limited, England, 1993

Journal Articles

Boyson, Sandor (with Thomas M. Corsi), "Real-time e-supply chain management: diffusion of new technologies and business practices," Transportation Research: Series E (The Logistics and Transportation Review), Vol. 39, March 2003, pp. 79-82.

Boyson, Sandor (with Thomas M. Corsi and Alexander Verbraeck), "The e-supply chain portal: a core business model," Transportation Research: Series E (The Logistics and Transportation Review), Vol. 39, March 2003, pp. 175-192.

Boyson, Sandor "The Netcentric Supply Chain In Practice", IEEE Transcripts Of The 2002 Hawaii Conference On Information Systems, Washington, D.C.

Boyson, Sandor (with Thomas M. Corsi), "North America Logistics Insights and Challenges," in volume edited by Anne M. Brewer, Kenneth J. Button, and David Hensher, entitled Handbook of Logistics and Supply-Chain Management, Transport and Supply Chain and Logistics Handbook, Elsevier Science, Ltd., Oxford, U.K., 2001, pp. 47-58.

Boyson, Sandor "The Real-Time Supply Chain," Supply Chain Management Review, Vol. 5, No. 1, January/February 2001, pp. 44-51.

Boyson, Sandor; and Corsi, Thomas M. "The Year 2010 Netcentric Supply Chain: An Exploratory Technology Forecast," in Linda Novak, Gregory Drazek,

and Gregg Stimatze, Logistics Technology 2010: Implications for DOD, Logistics Management Institute, McLean, Virginia, pp. A1-A-40

Boyson, Sandor and Corsi, Thomas, "Results Of A Large Scale Survey On Third Party Logistics Outsourcing", Journal of Business Logistics, Summer, 1999 issue

Boyson, Sandor; Corsi, Thomas M.; Dresner, Martin; and Rabinovich, Elliot," Managing Effective Third Party Logistics Partnerships: What Does It Take," Journal of Business Logistics, Vol. 20, No. 1, 1999, pp. 73-100.

Boyson, Sandor "Emerging Logistics: Adopting the Emerging Best Practices," Executive Excellence, Vol.16, No.6, June 1999 pp.19-20

Boyson, Sandor "Matching Demand and Supply in Real Time: The Value of Supply Chain Collaboration," Global Purchasing and Supply Chain Management, October 1999, pp.130-133.

Boyson, Sandor and Corsi, Thomas, "Bundling Logistics Activities For Outsourcing", International Journal of Physical Distribution And Logistics (accepted for publication; in press)

Boyson, Sandor and Corsi, Thomas, "Logistics Best Practices" 1995 Proceedings Of The Council Of Logistics Management, Annual Conference, October 1995, pp.61-80

Boyson, Sandor, "Toward A New Ecology Of Technology Management", Technology Management, Vol.1 No.1, Spring, 1984, Elsevier Press.

Boyson, Sandor, "Logistics Challenges and Opportunities in the 1990's: A National Survey of Corporate Best Practices", Proceedings of the 1995 Annual Meeting of the Council of Logistics Management.

Boyson, Sandor, "Toward A New Ecology of Technology Management", Technology Management, Volume 1, Number 1, Spring, 1994, Elsevier Press, pages 35-36

Hanna, Nagy and Boyson, Sandor, "Special Report: Investing in InfoTech",

DataQuest, July 1994, pages 140-147

Boyson, Sandor, "Biotechnology Strategic Alliances: A Blending of Capital, Technology, Marketing and Raw Material Resources", Advanced Technology Assessment System Bulletin, Issue 9, Winter, 1992, Center for Science and Technology for Development, United Nations Secretariat, pages 270-279

Boyson, Sandor, "Commercializing the Spectrum of Biogenetic Resources", Development and South/South Cooperation, Center For International Cooperation and Development, Ljublana, Yugoslavia, Volume 9, Number 7, December, 1988, pages 161-181

Boyson, Sandor, "Mobilizing Science and Technology Resources in Puerto Rico:" Puerto Rico Business Review, Volume 13, Number 4, April, 1988, pages 4-7

Lectures & Seminars

U.S. Secretary Of Defense/Office Of Force Transformation, "Enterprise Portals In Support Of The War Fighter", Workshop On Strategic Transformation: From Networked Technologies To Networked Organizations, Washington, D.C., January, 2003

Association For Enterprise Integration, "Technological Transformation Of War Fighter Support", Washington, D.C., 2003

Supply Chain Council, "Portals For Enterprise Transformation: The Case Of The Air Force Supply Chain Portal" (with Anil Agarwal, Director Of Sun Microsystems' Internet Force Centers Program), Supply Chain World North America, New Orleans, 2002

Hawaii Conference On Information Systems, "Managing The Real Time Supply Chain", Maui, January 2002

Bled/ Slovenia Forum On Regional E-Commerce, "Internet Technology For Regional Economic Development: A Report To Italian, Croatian, German, Austrian and Slovenian E-Commerce Experts", Bled October, 2001

President's Information Technology Advisory Council, "Harnessing The Power Of

Netcentricity", Washington, D.C. June, 2000

Sun Corporate Customer Council, "Netcentricity: Now And Tomorrow", Williamsburg, Virginia, 1999

National Science Foundation, "Results And Findings", Issues And Opportunities In Scalable Enterprise Systems, Engineering Directorate, April, 1999

CIO Summit, "Supply Chain Management In High Velocity Enterprises", Toronto, 1999

"Bundling Of Logistics Outsourcing Services" Paper presented at Annual Meeting of the Council Of Logistics Management, October 1998, Anaheim California

Georgetown University School of Foreign Service, "The East Asia Miracle and Information Technology," Washington, D.C., 1997

Conference Board – Council of North American Logistics, "Corporate Logistics Best Practices," Dallas, Texas, 1996

World Bank, EMENA Department, "Mideast Investor Perceptions in the Period Following the Oslo Accord," September, 1995

Saint Mary's University, International Studies Program, "Information Technology & Competitive Strategy," Halifax, Nova Scotia, 1994

World Bank, Asia Technical Department, "Payoffs of Investing in Information Technology," Washington, D.C., 1993

World Bank, Asia Technical Department, "The Information Sector and National Competitive Advantage," Washington, DC, 1992

Dalhousie University, Department of International Studies, "The Role of the Information Sector in the Economy," Halifax, Nova Scotia, 1990

InterAmerican University, "Technology and the Caribbean Reality," San Juan, Puerto Rico, 1988

University of Puerto Rico, "Science and Technology for Local Development," Latin American Interciencia Conference, 1987

British Society for Science in the Public Interest, "Impacts of Information Technology on Public Policy Making," Annual Meeting, 1984

Public Service Activities

Bled Conference On E-Commerce- Serve on Advisory Board of International Conference hosted in Slovenia each June.

State Of Maryland- Appointed by Senate President and Legislature to serve on a four person Board to govern the e-business initiative of the state entitled E-Maryland (2000-2002)

Maryland High Tech Council- Served as member of first state-wide E-Commerce Conference organizing committee (January-March, 2000)

State Of Maryland- Appointed by State CIO to a five member Contracting/Bid Evaluation Committee for a \$350 million Integrated Technology Services Award (1999)

Data Interchange Standards Association- Served on Board Of Directors of E-Commerce Education Institute sponsored by this Washington, D.C. Standards Group responsible for EDI and XML standards development (1998-99).

Federal CIO Council- Served on Advisory Committee that recommended a portfolio of managerial and technical competencies to be required of federal CIO's under the Clinger-Cohen Act (1997)

Editorial and Reviewing Activities

Guest Editor, Journal Of Transportation Research, Spring, 2003,

Special Issue On The E-Supply Chain
Reviewer, MIT/ Sloan Management Review, 2002
Founding Editor, Technology Management, Gordon & Breach, 1993-1999
As a founding editor, prepared initial concept statement for this applicationsoriented journal aimed at high-technology managers and industry analysts.

Assisted in negotiating its publication. Recruited editor-in-chief and editorial board members. Act as peer reviewer and associate editor.

Reviewer, United Nations University/World Institute for Development Economics Research "National Technological Transformation Project," 1988-1991

Served as a reviewer for this multi-year, multi-country project, the largest study of its kind to date. Reviewed case studies on national technological transformation submitted by experts in twenty-two countries for a four volume series published by Avebury Press in England.