

**VITA**  
**Sharmistha Bagchi-Sen**

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**Current Position**

Professor of Geography, University at Buffalo-State University of New York (SUNY-Buffalo), Buffalo, NY 14261

Center Affiliations: Member of the National Center for Geographic Information and Analysis (NCGIA), Baldy Center for Law and Social Policy, Canada-United States Trade Center

**Academic Interests**

Topical Interests: Foreign Direct Investment, Knowledge Economy and Regional Development, Regional and National Systems of Innovation, University-Industry-Government Relationships, the Biotechnology Industry, Small Firms and Export Market Development, Labor Markets, Gendered Division of Labor in Information Technology and Cyber Security

Regional Interests: USA, Canada, UK, India

**Academic Degrees**

Ph.D. (Geography), University of Georgia, 1989  
Dissertation: Spatial and Temporal Models of Foreign Direct Investment in the United States

Certificate in Global Policy Studies, University of Georgia, 1989

M.S. (Geography), University of Southern Mississippi, 1985

B.Sc. Honours (Geography) with Economics and Political Science as minors, Calcutta University, 1983

## **Employment History**

2001-present: Professor, Department of Geography, University at Buffalo

2000-2004: Director of Graduate Studies (elected, two terms), Department of Geography, University at Buffalo-SUNY

2004 (summer): Visiting Faculty, Indian Institute of Management in Joka, Calcutta, India.

1996-2001: Associate Professor, Department of Geography, University at Buffalo

1993-1996: Assistant Professor, Department of Geography, University at Buffalo

1989-1993: Assistant Professor, Department of Geography, Michigan State University

1985-1989: Graduate Teaching Assistant, Department of Geography, University of Georgia

1988-1989: Peer Tutorial Assistant, Academic Counseling Unit, University of Georgia

1987 (summer): Project Planner, Small Business Development Center, University of Georgia

1983-1985: Graduate Assistant, Department of Geography, University of Southern Mississippi

1983: French (Technical) Translator, The Institute of Engineers, Calcutta, India

## **Professional and Academic Honors**

2006-2007: Fellow, American Council on Education (ACE). Placement: University of California-Los Angeles, Chancellor's Office.

2005-2006: Fellow, Faculty in Leadership Program, University at Buffalo. Placement: Office of the President.

2004: Nominated by the College of Arts and Sciences, University at Buffalo for the Northeastern Association of Graduate Schools' Graduate Faculty Teaching Award.

2004 (February): Astor Visiting Fellow, Oxford University, UK. Sponsor: Professor Gordon Clark, Head, School of Geography, Oxford University.

1991-1992: Lilly Endowment Teaching Fellowship, Michigan State University. Project: Theoretical and Applied Urban Geography: Global to Local Perspectives.

1994: Travel Grant from the U.S. National Committee for the International Geographic Union, Washington, D.C., to attend the IGU conference in Prague, Czechoslovakia, August 22-27.

1983: First Class First, Gold Medalist, B.Sc. Honours (Geography), Calcutta University, India.

1977, 1979: National Scholarship, Government of India

## **University Courses Taught and Other Teaching Activities**

### ***University at Buffalo:***

#### Undergraduate Courses:

The Geography of Economic Systems, International Environment and Commercial Problems, Industrial Geography

#### Graduate Courses:

Economic and Industrial Geography, Urban Geography, Labor Geography, Technology and Development, Location and Impact of Foreign Direct Investment, Service Industries-International Aspects, Spatial Problems of Multinational Corporations, World Regional and Cultural Systems for International Business Managers, The Organization of Industrial Space: The Asia-Pacific Region

### ***Michigan State University:***

#### Undergraduate Courses:

Individual and Metropolitan Society, Urban Geography, Geography of Transnational Corporations

#### Graduate Courses:

Internal Structure of the City, Advanced Seminar in Urban and Economic Geography

### ***Other Teaching Activities:***

Instructor. The Neil D. Levin Graduate Institute of International Relations and Commerce, State University of New York. Course Module: Technology Innovation, July 18-22, 2005.

Instructor. School of Management – University at Buffalo. Professional MBA Program. Course: The Global Economy and the Business Firm (MGE 602). Session: Summer 2005 and 2006.

Participant (competitive selection). Faculty Seminar on Integrating Gender into the Undergraduate Curriculum. Organized by Women's Studies Program and Policy Center, Michigan State University, August 1991.

## **Research Supervision**

### ***Michigan State University***

Major Professor: 3 MA students

Committee Member: 1 Ph.D and 2 MA students

### ***University at Buffalo***

Major Professor: 17 doctoral advisees

Leo Adrianus, Ph.D.(2008), Martin Camacho, Ph.D. (2005), Rupal Desai, Ph.D., Matthew Eggleton, Ph.D. (on leave, 2007-2008), Jeff Gray, JD (2003) Ph.D. (2004), Annitra Jongsthapongpanth, Ph.D. (2008), Linda Hall, Ph.D. (1999), Kush Haq, Ph.D. (2001), Joseph Holler, Ph.D. IGERT Fellow, Peter Kedron, Ph.D., Aurora Klimko, JD-Ph.D., Linda Kuechler, Ph.D. (1997), Erin Loranty, Ph.D., Anshu Pasricha, JD (2007) Ph.D. (on leave), Stephen Mayer, Ph.D. (2005), Janet Penksa, Ph.D., Jennifer Scully, Ph.D. (2006)

Dissertation Titles:

Leo Adrianus (Ph.D. 2008), Relational Economic Geography and Path Dependent Processes: A Case of the U.S. Shrimp Industry.

Annitra Jongsthapongpanth (Ph.D. 2008), Geographical Analysis of Disease Incidence, Mortality, and Deprivation: A Study of People Living with HIV/AIDS in Northern Thailand.

Jennifer Scully (Ph.D. 2006), Strategies and External Relationships of Firms in the U.S. Agricultural Biotechnology Sector.

Martin Camacho (Ph.D. 2005), Information Technology Analysts and Managers in the Silicon Valley: A Study of Male-Female Wage Patterns.

Stephen F. Mayer (Ph.D. 2005), Sources of Competitive Advantage in U.S. Engineering Firms.

Jeffrey McIntrye Gray (Ph.D. 2004), The Regulatory Environment and Industrial Restructuring: The Case of U.S. Power.

Kush Haq (Ph.D. 2001), An Analysis of the Determinants of U.S. Direct Investment Abroad in the Manufacturing Sector.

Linda Hall (Ph.D. 1999), Innovation and Collaboration in the U.S. Biotechnology Industry.

Linda Kuechler (Ph.D. 1997), Proactivity, Economic Performance, and Internationalization of Local and Regional Public Accounting Firms in Western New York.

Masters Advisees: 29 advisees

Leo Adrianus (2003), Aubrey Balcom (2003), Inna Aleksandrova, MA-MBA (2004), Janis Berzins, MA-MBA (1999), Manjiri Bhawalkar (1997), Gary Chan (2007), Menglin Chung (2000), Hadar Cohen (2000), Paola Csirke Lozano (2000), Haley Davis (2005), Fan Jiang (2005), Alan Delmerico (2004), Arti Dusane (2004), Regina Fallace, MA-MBA (1999), Papa Samba Gaye (1997), Matthew Goldhawk (1997), Annitra Jongsthapongpanth (2003), Aurora Klimko (2006), Kinga Kobialka (1999), Laryssa Petryshyn (2001), Sarinna Pravithana (2001), Jennifer Scully (2001), Natasha Roudneva (2000), Sankeetha Selvarajah (on leave), Kimberly Stevens (1999), Sandy Sukarto, MA-MBA (1996), Maitryani Sulisty (1997), Norman Tabalujan (2003), Paul Yong (2003)

#### Committee Member:

Doctoral committee: Ed Arnold, Ph.D., Niharika Banerjea, Ph.D. (Sociology, 2007), Vigdis Boasson, Ph.D. (2001), Sangmi Chai, Ph.D. (Management Science), Joel Deichman, Ph.D. (1999), Doug Gress, Ph.D. (2005), Valerie Hartung, Ph.D. (1997), Cuong Hoang, Ph.D. (2000), Ge Lin, Ph.D. (1996), Paul Mackun, Ph.D. (2001), David Pritchard, Ph.D. (2002), Chang Ho Lee, Ph.D., Suksawat Sajaranachotte, Ph.D., Jayanti Sen, Ph.D. (1997), Vida Vanchan, Ph.D. (2006), Richard Weng, Ph.D. (1994), Renee Will, Ph.D., Fritz Yambrach (2005), Michael Ziolkowski, Ph.D. (2006)

MA committee: Bethany Backhaus, M.A. (2000), Ming-Tsai Chan, M.A., Hye-Jung Chung, M.A. (1999), Joseph Cox, M.A. (1996), Will Gunter, M.A. (2006), Joseph Klebaner, M.A., Cendra Kusumo, M.A. (1997), Shujun Li, M.A. (1997), Jonathan Li, M.A. (2006), Anne Marusza, M.A. (1997), Gregory Petraetis, M.A. (1998), Pauline Phoa, M.A. (2006), Joanna Rogalski, M.A. (2005), Jennifer Stoll, M.A. (2005), Jie Yin, M.A. (2001)

#### Grant Support

National Science Foundation. Collaborative Research: Data-Driven Analysis of Interdisciplinary Research Teams. Division of Behavioral and Cognitive Sciences. Program: Dynamics of Human Behavior. Debra Street (Sociology), S. Bagchi-Sen (Geography), M. Farrell (Sociology) from the University at Buffalo; Lisa Freeman (Veterinary Medicine), Abbey Nutsch and Justin Kastner (Food Safety & Security), Kansas State University. University at Buffalo funding: \$79, 969 (2006-2008)

UB 2020 Interdisciplinary Research Development Fund (IRDF). The Health Buzz: A Spatio-Temporal Analysis of Food Consumption. M. Trivedi (Marketing), S. Bagchi-Sen (Geography), M. Trevisan (Public Health), and J. Freudenheim (Public Health). \$21, 500 (2006-2007)

National Science Foundation. Women and Cyber Security: Gendered Tasks and Inequitable Outcomes. H. Raghav Rao (Management), S. Bagchi-Sen (Geography), and S. Upadhyaya (Computer Science). Division: Computer and Network Systems, Program: Workforce. \$297,000 (2004-2006).

National Science Foundation. The Role of R&D Alliances in Innovation: A Study of the Biotechnology Industry. Division: Anthropological and Geographic Sciences, Program: Geography and Regional Science. \$119,000 (2001-2004).

The Canadian Embassy. University-Industry Links in Biotechnology Industry: An Analysis of the Role of Collaboration in Innovation. \$8,500 (2001)

National Science Foundation. Doctoral Dissertation Research Support for Linda Hall (1998). Collaboration and Innovation in Dedicated Biotechnology Firms in the United States. \$7,782

The Baldy Center for Law and Social Policy, Law School, University at Buffalo

-Labor Market Analysis \$1500, \$1,980 (1997, 1998-1999)

-Migration in Information-Intensive Work \$1100 (1999-2000)

-Technology Transfer in Biotechnology \$2100 and \$4000 (2000-2001, 2001-2002)

-Policy Issues in Agricultural Biotechnology \$2400 (2002-2003)  
-Defining Property Rights for Development and Social Justice, with Errol Meidinger (Law) \$1600 (2004-2005)

Graduate Group Recognition, The Graduate School, University at Buffalo. Geography and Operations Strategy (GOS) Group (Group Leader: S. Bagchi-Sen; participating faculty: N. Suresh and Winston Lin, Management Science and Systems), \$1500 (1998-1999)

Institute for Research and Education on Women and Gender, University at Buffalo. 1998 Interdisciplinary Course Competition. Course: Labor Markets, \$2,000 (1998-1999)

Individual Development Awards Program, University at Buffalo. \$1000 (1998, 1999)

Canadian Studies Research Grant Program, Canadian Embassy: Fostering Business Linkages Between the BorderNet Region and the Asia-Pacific Economies. (co-PI: James E. McConnell). \$5,000 (1998-1999)

Canadian-American Studies Committee Grant, University at Buffalo (co-PI: James E. McConnell). \$450 (1998-1999)

National Center for Geographic Information and Analysis, University at Buffalo. \$7,400 (Summer 1996) and \$5,000 (Summer 1997)

Canadian Studies Research Grant Program, Canadian Embassy: An Analysis of Export Market Development by Small and Medium Manufacturing Firms from the Niagara Region of Canada. \$10,000 (1996-1997)

Asian Studies Faculty Grant for Course Development, University at Buffalo. \$2,000 (Summer 1996), GEO 640.

Canadian-American Studies Committee Grant, University at Buffalo. \$350 (1996)

Research Development Fund, Faculty of Social Sciences, University at Buffalo. A Pilot Analysis of the Impact of Industrial Shifts on Occupational Allocation for Males and Females in Large, Medium, and Small Metropolitan Areas in the United States. \$4000 (1995)

Research Grant, Association of American Geographers, Washington, D.C. \$500 (1992 and 1995).

Travel grant from the United University Professions (University at Buffalo) to attend AAG meetings in 1994 and 1995.

International Studies and Programs, Michigan State University, Global Competence Grant: Urban Geography of Calcutta, India. \$4000 (1993)

All University Research Grant, Michigan State University, Comparative and Competitive Advantages Promoting the Geographical Spread of U.S. Service Industries. \$2440 (1992)

The Center for International Business Education and Research, Michigan State University. Multinational Corporate Restructuring and the International Competitiveness of U.S. Service Industries. \$22,555 (1991-1992)

Institute for Public Policy and Social Research, Michigan State University. A Comparative Analysis of Direct Investment from Conventional and Unconventional Source Countries in the United States. \$23,635 (1990-1991)

All University Research support from the College of Social Science, Michigan State University, \$358 (1990) and \$167 (1991).

## **Publications**

### ***Books:***

Bagchi-Sen, S. and Lawton Smith, H. 2006. *Economic Geography: Past, Present and Future*, Routledge.

### ***Refereed publications:***

Bagchi-Sen, S. and Lawton Smith, H. 2007 (forthcoming). Science, Institutions and Markets: Developments in the Indian Biotechnology Sector, *Regional Studies*.

Gress, D. and Bagchi-Sen, S. 2007 (forthcoming). Making a Niche: North American Voice Actors and Korean Labor Intermediaries in Seoul, Korea, *International Journal of Urban and Regional Research*.

Bagchi-Sen, S. and Scully, J. 2007 (forthcoming). Strategies and External Relationships of Small- and Medium-Sized Enterprises in the U.S. Agricultural Biotechnology Sector, *Environment and Planning C*.

Poon, J.P., Sajaranachotte, S., Bagchi-Sen, S. 2007. The Role of US Defense Exports in Asia Pacific Regionalism, *Political Geography*, Vol. 25 (7), pp. 715-734

Jongsthapongpanth, A. and Bagchi-Sen, S. 2007. US-Asia Interdependencies, *Journal of the Asia Pacific Economy*, Vol.12 (2), pp. 215–249.

Bagchi-Sen, S. 2007. Strategic Considerations for Innovation and Commercialization in the US Biotechnology Sector, *European Planning Studies*, Vol.12 (7), pp. 961–983.

Hall, L. and Bagchi-Sen, S. 2007. An Analysis of Firm-Level Strategies in the US Biotechnology Industry, *Technovation: The International Journal of Technological Innovation, Entrepreneurship and Technology Management*, Vol. 27, pp. 4-14.

Agarwal, S., Gupta, V., and Bagchi-Sen, S. 2006. Insights into US Public Biotech Sector Using

Patenting Trends, *Nature Biotechnology*, Vol. 24(6), pp. 643-651.

Lawton Smith, H. and Bagchi-Sen, S. 2006. University-industry interactions: the case of the UK biotech industry, *Industry and Innovation*, Vol. 13, pp. 371-392.

S. Chai, S. Bagchi-Sen, C. Morrell, H. R. Rao, S. Upadhyaya. 2006. Role of Perceived Importance of Information Security: An Exploratory Study of Middle School Children's Information Security Behavior, *Issues in Informing Science and Information Technology*, Vol. 3, pp. 127-135.

Banerjee, S., Kang, H., Bagchi-Sen, S., and Rao, H.R. 2005. Gender Divide in the Use of the Internet Applications, *International Journal of E-Business Research*, Vol. 1 (2), pp. 24-39. [invited article]

Kang, H., Bagchi-Sen, S., Rao, H.R., and Banerjee, S. 2005. Internet Skeptics: An Analysis of Intermittent Users and Net-Dropouts, *IEEE Technology and Society Magazine*, Vol. 24 (2), pp. 26-31.

Bagchi-Sen, S. and Scully, J. 2004. The Canadian Environment for Innovation and Business Development in the Biotechnology Industry: A Firm-Level Analysis, *European Planning Studies*, Vol. 12 (7), pp. 961-983.

Bagchi-Sen, S., Lawton Smith, H. and Hall, L. 2004. The US Biotechnology Industry: Industry Dynamics and Policy, *Environment and Planning C*, Vol. 22 (2), pp. 199-216.

Bagchi-Sen, S. 2004. Firm-Specific Characteristics of R&D Collaborators and Non-Collaborators in U.S. Biotechnology Clusters and Elsewhere, *International Journal of Technology and Globalisation*, Vol. 1(1), pp. 92-118.

Bagchi-Sen, S. 2003. An Empirical Analysis of Migration in Information-Intensive Work in the United States, *The Service Industries Journal*, Vol. 23(1), pp. 337-366.

Hall, L. and Bagchi-Sen, S. 2002. A Study of R&D, Innovation and Business Performance in the Canadian Biotechnology Industry, *Technovation*, Vol. 22, pp. 231-244.

Bagchi-Sen, S., Hall, L., and Petryshyn, L. 2001. A Study of University-Industry Linkages in the Biotechnology Industry: Perspectives from Canada, *International Journal of Biotechnology*, Vol 3. (3/4), pp. 390-410.

Hall, L. and Bagchi-Sen, S. 2001. An Analysis of R&D, Innovation, and Business Performance in the U.S. Biotechnology Industry, *International Journal of Biotechnology*, Vol. 3 (3/4), pp. 267-286.

Bagchi-Sen, S. 2001. Product Innovation and Competitive Advantage in an Area of Industrial Decline: The Niagara Region of Canada, *Technovation*, Vol. 21 (1), January, pp. 45-54.

Bagchi-Sen, S. 2001. Wage Variations in Advanced Producer Service Work in New York, *The Service Industries Journal*, Vol. 21 (3), pp. 64-86.

- Plewe, B. and Bagchi-Sen, S. 2001. Use of Ternary Histograms for the Visualization of Racial Segregation, *The Professional Geographer*, Vol. 53 (3), pp. 347-360.
- Bagchi-Sen, S. and Kuechler, L. 2000. Strategic and Functional Orientation of Small- and Medium-Sized Enterprises in Professional Services: An Analysis of Public Accountancy, *The Service Industries Journal*, Vol. 20(3), July, pp. 117-146.
- Bagchi-Sen, S. 1999. The Small- and Medium-Sized Exporter's Problems: An Empirical Analysis of Canadian Manufacturers, *Regional Studies*, Vol. 33(3), 231-245.
- Bagchi-Sen, S. and MacPherson, A.D. 1999. The Competitive Characteristics of Small- and Medium-Sized Manufacturing Firms in the U.S. and Canada: Empirical Evidence from a Cross-border Region, *Growth and Change*, Vol. 30(3), 315-336.
- Bagchi-Sen, S. and Sen, J. 1997. The Current State of Knowledge in International Investments in Producer Services, *Environment and Planning A*, Vol. 29, pp. 1153-1174.
- Bagchi-Sen, S. 1997. The Location of Service Industries in Large, Medium, and Small Metropolitan Areas in the United States, *Urban Geography*, Vol. 18, pp. 264-281.
- Bagchi-Sen, S. 1997. Introduction: Economic Restructuring and Labor Markets, *Urban Geography*, Vol. 18, pp. 189-191.
- Bagchi-Sen, S. 1995. FDI in US Producer Services: A Temporal Analysis of Foreign Direct Investment in the Finance, Insurance, and Real Estate Sectors, *Regional Studies*, Vol. 29, pp. 159-170.
- Bagchi-Sen, S. 1995. Structural Determinants of Occupational Shifts for Males and Females in the U.S. Labor Market, *The Professional Geographer*, Vol. 47, pp. 268-279.
- Bagchi-Sen, S. 1995. Foreign Direct Investment in U.S. Manufacturing Industries: Source-Specific Variations, *Geografiska Annaler*, Vol. 77B, pp. 17-29.
- Pigozzi, B. and Bagchi-Sen, S. 1995. Impacts of Acquisitions and New Plants on the Employment in U.S. Affiliates of Foreign Manufacturing Firms, *Tijdschrift voor Economische en Sociale Geografie*, Vol. 86, pp. 328-338.
- Pandit, K. and Bagchi-Sen, S. 1993. The Spatial Dynamics of U.S. Fertility, 1970-1990, *Growth and Change*, Vol. 24, pp. 229-246.
- Bagchi-Sen, S. and Pigozzi, B. 1993. Occupational and Industrial Diversification in the United States: Implications of the New Spatial Division of Labor, *The Professional Geographer*, Vol. 45, pp. 44-54.

Bagchi-Sen, S. 1991. The Location of Foreign Direct Investment in Finance, Insurance, and Real Estate in the United States, *Geografiska Annaler*, Vol. 73B, pp. 187-197.

Bagchi-Sen, S. 1991. Employment in Foreign Owned Manufacturing Firms in the United States - The Impact of Modes of Entry, *Tijdschrift voor Economische en Sociale Geografie*, Vol. 82, pp. 282-294.

Bagchi-Sen, S. 1991. Temporal Changes in the Composition of Foreign Direct Investment in the Great Lakes Region, *The East Lakes Geographer*, Vol. 26, pp.1-14.

Bagchi-Sen, S. and Wheeler, J.O. 1989. A Spatial and Temporal Model of Foreign Direct Investment in the United States, *Economic Geography*, Vol. 65, pp.113-129.

Bagchi-Sen, S. 1989. Foreign Direct Investment in U.S. Metropolitan Areas, 1979-1983, *Urban Geography*, Vol. 10, pp.121-137.

***Other Publications (peer reviewed):***

Herath, T.C., Bagchi-Sen S., and Rao, H.R. 2006. Gender Issues and Vulnerability to Internet Crime, Eileen Trauth (ed), in *Gender and Information Technology Encyclopedia*, IDEA Group Publishing.

Lake, R., S. Hanson, S. Bagchi-Sen, R. Cline-Cole, J. DeFilippis, M. Douglass, J. Emel, R. Johns, V. Lawson, M. Leaf, R. Leichenko, S. Marston, T. McGee, K. Pandit, S. Pincetl, R. Schroeder, E. Sheppard & M. Waterstone. 2000. *Towards a comprehensive geographical perspective on urban sustainability*. Final Report of the 1998 NSF Workshop on Urban Sustainability. Center for Urban Policy Research, Rutgers, The State University of New Jersey. 29 pages.

An Invited Essay on Direct Foreign Investment for the *International Encyclopedia of the Social and Behavioral Sciences*, Editors: Neil J. Smelser and Paul B. Baltes, Section Editor (Geography): Susan Hanson, 2001. Publisher: Elsevier Sciences Ltd.

Book Review: *Industrial Location*. Author: Roger Hayter. *Economic Geography* (2001).

Book Review: *World Cities in a World System*. Authors: Paul L. Knox and Peter J. Taylor. *Economic Geography*, Vol. 75 (1999), pp. 95-96.

Book Review: *Gender, Work, and Place*. Authors: Susan Hanson and Geraldine Pratt. *Journal of Regional Science*, Vol. 27 (1997), pp. 357-359

Bagchi-Sen, S. 1995. Comment on Cross-National Labour Migration and Local-Level Planning: the Experience of Bangladesh by R.A. Mahmood, *Regional Development Dialogue*, Vol. 16, pp. 135-136.

Bagchi-Sen, S. and P. Das. 1995. Foreign Direct Investment by the U.S. Bells. In *Telecommunications Politics. Ownership and Control of the Information Highway in Developing*

*Countries*. Edited by Bella Mody, Johannes M. Bauer, and Joseph D. Straubhaar, pp. 85-112. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Bagchi-Sen, S. and Birou, L. 1992. Buyer/Supplier Linkages of Foreign Manufacturing Firms in the United States, *Decision Sciences Institute Proceedings*, Vol. 3, pp. 1772-1774.

Bagchi-Sen, S. 1991. A Study of the Location of Foreign Acquisitions and New Plant Establishments in the U.S. Market, *Papers and Proceedings of Applied Geography Conferences*, Vol. 14, pp. 132-139.

### **Editorial Experience**

Editor, *The Professional Geographer*, 2005-present.

Editorial Board Member, *The Annals of the Association of American Geographers*, 2006-present.

Editorial Board, *Industrial Geography*, 2002-present.

Bagchi-Sen, S. and Lawton Smith, H. (Editors). 2006. *Economic Geography: Past, Present and Future*. Oxford, UK: Routledge. [Contributed chapters from 20 eminent economic geographers from the US, UK and Europe.]

Guest Editor (with Shubha Ghosh), a special issue of *Law and Policy* (Vol. 27, No.1, 2005) on Law, Technology and Development.

Guest Editor (with Helen Lawton Smith), a special issue of *Environment and Planning C* (Vol. 22, No. 2, 2004) on Innovation Geographies and Biotechnology.

Guest Editor, a special issue of *Urban Geography* (Vol 18, No.3, 1997) on Economic Restructuring and Labor Markets.

Past Editor, *Occasional Paper Series*, Canada-United States Trade Center, University at Buffalo.

### **Invited Participation in Conferences and Workshops**

Speaker. Strategies and External Relationships of Firms in the U.S. Agricultural Biotechnology Sector. Department of Geography, University of California-Los Angeles (October 27, 2006), University of Utah (February 2, 2007), University of North Carolina-Greensboro (March 23, 2007).

Speaker. The Role of Alliances in Innovation-A Case of the Biotechnology Industry. Third Klein Symposium on Small and Medium Sized Enterprises and the Global Economy, to be held at Pennsylvania State University, October 12-14, 2005. Organizer: Gerald S. Susman, Robert and Judith Klein Professor of Management, Smeal College of Business, Pennsylvania State University.

Participant. Regional Business and Industry Meeting. Objective: To Design a Comprehensive Business and Industry Strategic Plan for the State University of New York. Organizer: State University of New York. Buffalo, New York, August 18, 2005.

Participant. Towards Excellence: Leading a Geography Department in the 21<sup>st</sup> Century. The 2005 Association of American Geographers' Healthy Departments Workshop. Organizers: Richard Marston and Alexander Murphy. Portland, Maine, June 25-26, 2005.

Participant/SUNY-Buffalo Faculty Representative. Roundtable discussion of the Assembly Standing Committee on Higher Education, Assembly Standing Committee on Economic Development, Job Creation, Commerce and Industry, Task Force on University-Industry Cooperation, Legislative Commission on Science and Technology, Assembly Subcommittee on Manufacturing. Discussion Topic: State Research and Development Investments - The Problems of Assessment. Legislative Office Building, Albany, New York, June 14, 2005.

Co-author. Paper presented at Bringing Science to Life by Helen Lawton Smith. An International Conference on Commercializing Biomedical Research organized by the Center for Innovation, Law, and Policy, Rotman School of Management, University of Toronto, April 29-May 1, 2005.

Speaker. Women in Cyber Security. Session on "Digital Access" organized by Roli Verma, University of New Mexico, at the 20th Annual IASTS (International Association for Science, Technology, & Society) Conference, Baltimore, Maryland, February 2005.

Panelist. "Priorities" in Teaching Economic Geography II. Organized by Neil Coe and Henry Yeung, Annual Meeting of the Association of American Geographers, Denver, April 2005.

Panelist. Women and Cyber Security. A Workshop on Secure Knowledge Management. Organizers: Shambhu Upadhyaya and H. Raghav Rao. Sponsors: National Science Foundation and Department of Defense. Amherst, New York, September 23-24, 2004.

Panelist. Committee on the Status of Women in Geography (CSWG) Panels, Annual Meeting of the Association of American Geographers, 2004: (1) Surviving Tenure and Promotion – organized by Jennifer Mandel and Ellen Hansen and (2) From Now into the Future – organized by Pamela Moss and Mei-Po Kwan

Speaker. Barriers to Commercialization: Biotechnology in India, a conference on Challenges of Asian Technological Development, Organized by the Network of Industrial Economists (Organizers: Ken Simons, Royal Holloway; Sumit Majumdar, U of Texas-Dallas and Gautam Sen, LSE), London School of Economics, May 31, 2003.

Speaker. International Trade as a Mode of Technology Transfer: A Study of US Exporters of Biotechnologies, International Conference on Science, Technology, and Innovation. Emerging International Policy Issues. Organizer: Calestous Juma, Center for International Development, Harvard University and the Belfer Center for Science and International Affairs, Kennedy School of Government. September 23-24, 2002.

Speaker. International Conference on Globalization of R&D: Challenges and Opportunities for Developing Countries, Grado, Italy, September 11-13, 2001. Organized by Belfer Center for Science and International Affairs and the Center for International Development, Harvard University and the Third World Academy of Sciences. Refereed (the paper was selected from a submission of 100+ articles). Presentation: R&D Alliances in the biotechnology industry” in a panel entitled “Sharing Experiences.

Speaker. Cornell-in-India Conference on Biotechnology for Development, Chennai, India, January 3-6, 2002. Invited by Professor K.V. Raman, Cornell University. Title of presentation: R&D Alliances in Innovation-A Case for the US Biotechnology Industry.

Panelist. Panel on Senior Women Faculty: Career Path of Women in Academic Geography. Organizer: Christy Jocoy (Penn State U). Panelists: S. Bagchi-Sen, Amy Glasmeier, Risa Palm, Diana Liverman, Cindi Katz, Kathy Whitslock, Irene Hardill. Annual Meeting of the Association of American Geographers.

Participant. Research Workshop organized by the National Academy of Sciences and National Research Council on “The Role of Contemporary Cities in Urban Restructuring” (Anglo-US comparative perspectives), May 13-14, 2001, Washington, D.C.

Participant. Research Workshop funded by the National Science Foundation. Toward A Comprehensive Geographical Perspective on Urban Sustainability. Center for Urban Policy Research, Rutgers University. June 1998. PIs: Robert W. Lake and Susan Hanson.

Participant. A Research Workshop on Geographic Information Analysis and Human Capital Research. Organized by the National Center for Geographic Information and Analysis (NCGIA), University at Buffalo. Sponsored by the National Science Foundation and HUD. July 1995, Boulder, Colorado.

## **Research Presentations**

Survival of an AIDS Cohort in Thailand (2000–2005) (with Chaitali Ghosh, presenter, and Annitra Jongsthapongpanth), 40th Annual Meeting of the Society for Epidemiologic Research Conference, June 2007, Boston, Massachusetts.

Global Pressures on Learning Regions/Clusters: Time Series Analysis of Biotech Firms (with Yael Levitte), part of the paper sessions on Global Economic Practices: Theories, Methods and Evidence IV, Annual Meeting of the Association of American Geographers, April 2007, San Francisco.

Understanding University-Industry Collaborations in Biotechnology (with Yael Levitte). Annual Meeting of the Association of American Geographers, March 2006, Chicago.

Characteristics, Strategies, and External Relationships of SMEs in the U.S. Agricultural Biotechnology Sector (with Jennifer Scully). Annual Meeting of the Association of American Geographers, March 2005, Denver.

National Science Foundation. Information Technology Workforce PI meeting. September 2004 (Philadelphia) and April 2006 (Raleigh).

Geographic Variations in Innovation and Business Performance in the U.S. Biotechnology Sector (with Aubrey Balcom). Annual Meeting of the Association of American Geographers, March 2004, Philadelphia.

A Study of Research, Product Development and Internationalisation in the U.S. Biotechnology Sector (with Aubrey Balcom), Regional Studies Association's conference on Reinventing Regions in the Global Economy, Pisa, Italy, April 12-15, 2003

The Role of R&D Alliances in Innovation: A Case of the U.S. Biotechnology Industry, Academy of International Business 2002 Annual Meeting, June 28-July 1, San Juan, Puerto Rico.

R&D Alliances in Biotechnology Innovation, Annual Meeting of the Association of American Geographers, April 2002, Los Angeles, CA.

An Analysis of the Spatial Variation in Innovation and Performance of Biotechnology Firms in the United States, (with Linda Hall) Annual Meeting of the Association of American Geographers, April 2000, Pittsburgh, PA.

Business Linkages in the BorderNet Region and Asia-Pacific Economies (with James E. McConnell), Annual Meeting of the Association of American Geographers, March 1999, Honolulu, Hawaii.

The Competitive Characteristics of Manufacturing Firms in Western New York and Southern Ontario (with Alan D. MacPherson), Annual Meeting of the Association of American Geographers, March 1998, Boston, MA.

An Analysis of Earnings Inequality Among Sociodemographic Groups in the New York Metropolitan Area (with Patricia Baumgarten), Annual Meeting of the Association of American Geographers, March 1998, Boston, MA.

Strategic, Functional, and International Orientation of Small and Medium Sized Firms in an Industrially Declining Region: An Analysis of Public Accounting (with Linda Kuechler), North American Meeting of the Regional Science Association International, Niagara Falls, November 1997.

The Competitive Characteristics of Small- and Medium-Sized Manufacturing Firms in the U.S. and Canada: Empirical Evidence From a Cross-Border Region (with Alan D. MacPherson) North American Meeting of the Regional Science Association International, Niagara Falls, November 1997.

Success Determinants of Small and Medium Public Accounting Firms: Proactivity and International Orientation, colloquium presentation, Department of Geography, Syracuse University, April 11, 1997.

Industrial, Occupational, and Demographic Segmentation: An Analysis of Detroit's Labor Market (with Martin Camacho and Paul Mackun), Annual Meeting of the Association of American Geographers, April 1996, Charlotte, NC.

The Internationalization of Professional Services: A Study of Small and Medium Public Accounting Firms (with Linda Kuechler), Annual Meeting of the Association of American Geographers, April 1996, Charlotte, NC.

Shifts in Service Employment: An Analysis of Detroit's Labor Market (with Martin Camacho and Paul Mackun), 42nd North American Meeting of the Regional Science Association International, November 1995, Cincinnati.

Service Industries and Local Labor Markets, Annual Meeting of the Association of the American Geographers, March 1995, Chicago.

Trends in Industrial and Occupational Shifts In U.S. Metropolitan Areas, Annual Meeting of the Association of the American Geographers, March-April 1994, San Francisco.

An Analysis of U.S. Regional and Metropolitan Occupational Structure, North American Meetings of the Regional Science Association International, November 1993, Houston.

Regional Patterns of Industrial and Occupational Diversification (with Bruce Wm. Pigozzi), Annual Meeting of the Association of American Geographers, April 1993, Atlanta.

Economic Restructuring in Metro-Nonmetro Areas: Consequences of Sectoral Shifts in Michigan (with Betty Nordeng), Annual Meeting of the Association of American Geographers, April 1993, Atlanta.

Spatio-Temporal Dynamics of U.S. Fertility, 1970-1990 (with Kavita Pandit) Annual Meeting of the Population Association of America, April 1993, Cincinnati.

Foreign Direct Investment by U.S. Telecommunications Companies (with Parthavi Das), a Conference on the Privatization of Telecommunications in Eastern Europe and the Third World, April 30-May 1, 1993, Michigan State University, East Lansing, Michigan.

Buyer/Supplier Linkages of Foreign Manufacturing Firms in the United States (with Laura Birou), Annual Meeting of the Decision Science's Institute, November 1992, San Francisco.

Internationalizing the Curriculum, Poster Presentation at the Lilly Endowment Conference, April 1992, Callaway Gardens, Georgia.

Impact of Foreign Direct Investment by Two Modes of Entry (with Bruce Wm. Pigozzi), Annual Meeting of the Association of American Geographers, April 1992, San Diego.

The Spatial Dynamics of U.S. Population, 1960-1990 (with K. Pandit), Annual Meeting of the Association of American Geographers, April 1992, San Diego.

A Study of the Location of Foreign Acquisitions and New Plant Establishments in the U.S. Market, 14th Annual Applied Geography Conference, October 1991, Toledo, Ohio.

Occupational versus Industrial Diversification in the Economic Health of States (with Bruce Wm. Pigozzi) 22nd Annual Meeting of the MidContinent Regional Science Association, May-June 1991, Chicago.

Location Analysis of Acquisitions and New Plants in U.S. Manufacturing by Canadian, West European, and Japanese Investors, 29th Annual Meeting of the Southern Regional Science Association, April 1991, Miami.

An Examination of the Employment Effects of Foreign Direct Investment in the U.S. Manufacturing Sector, Annual Meeting of the Association of American Geographers, April 1991, Miami.

The Determinants and Consequences of the Offshore Location of Services (with Mark I. Wilson), Annual Meeting of the North American Regional Science Council, November 1990, Boston.

The Economic Impact of Foreign Direct Investment in the United States, Contemporary Issues Symposium (Windows on Our Global Future), College of Social Science, Michigan State University, October 1990, East Lansing, Michigan.

Factors Affecting Foreign Direct Investment in the United States, Society for International Development, Michigan State University, April 1990, East Lansing, Michigan.

Locational Dynamics of Foreign Direct Investment in U.S. Producer Services, 28th Annual Meeting of the Southern Regional Science Association, March 1990, Washington, D.C.

Foreign Direct Investment in U.S. Food and Fiber Industries (with Kevin T. McNamara), North American Meeting of the Regional Science Association, November 1989, Santa Barbara.

FDI in Finance Insurance and Real Estate in the United States, Annual Meeting of the Association of American Geographers, March 1989, Baltimore.

Temporal and Spatial Dynamics in Foreign Direct Investment in U.S. Metropolitan Areas: An Empirical Analysis Using the Expansion Method, North American Meeting of the Regional Science Association, November 1988, Toronto.

Growth of Foreign Direct Investment in the United States, 1974-1983, 43rd Annual Meeting of the Southeastern Division, AAG, November 1988, Mobile, Alabama.

Foreign Direct Investment in the U.S. Metropolitan Service Sector, 1974-1983, Annual Meeting of the Association of American Geographers, April 1988, Phoenix.

Foreign Direct Investment in the Major U.S. Metropolitan Areas, 42nd Annual Meeting of the Southeastern Division, AAG, November 1987, Charlotte, NC.

Factors in Indian Immigration to the United States, 1965-1985, 63rd Annual Meeting of the Georgia Academy of Science, May 1986, Milledgeville, Georgia.

### **Professional Service**

Panelist. Publishing in the Annals of the Association of American Geographers (Annals) and The Professional Geographer (PG). Organizer: Carol P. Harden. Panelists: Editors and Book Editors of the Annals and The PG. The Association of American Geographers' Annual Meeting, 2007, San Francisco.

Introducer. Panel Session on Meaning of and Motivations for "Work" II. Organized by Irene Hardill. The Association of American Geographers' Annual Meeting, 2007, San Francisco.

Session Organizer (with Helen Lawton Smith). Regional Innovation Systems: Theory Methods and Practice 1: Regional Innovation Systems and Technology and Regional Innovation Systems: Theory Methods and Practice 4: New Industries. The Association of American Geographers' Annual Meeting, 2006, Chicago.

Panel Organizer (with Beth Mitchneck). Advancing Geography in the Academe. The Association of American Geographers' Annual Meeting, 2005, Denver. Panelists: Rodney Erickson (Pennsylvania State University), Susan Hanson (Clark University), Duane Nellis (Kansas State University), Tom Baerwald (National Science Foundation), Janice Monk (University of Arizona), Risa Palm (Louisiana State University).

Panel Organizer (with Mei-Po Kwan). Women Advancing Geographic Research. The Association of American Geographers' Annual Meeting, 2005, Denver. Panelists: Susan L. Cutter (University Of South Carolina), Nina Lam (Louisiana State University), Sara McLafferty (University of Illinois), Donna J. Peuquet (Pennsylvania State University), Catherine Souch (Indiana University), Dawn J. Wright (Oregon State University), Marilyn Raphael (University of California-Los Angeles), Julie Winkler (Michigan State University).

Chair. Innovation, Networks, and Policy. Session organized by Helen Lawton Smith and Bjorn Asheim, The Association of American Geographers' Annual Meeting, 2005, Denver.

Panel Organizer (with Helen Lawton Smith). Five panels (28 participants) on Economic Geography: Then, Now and the Future. Sponsors: The Economic Geography Specialty Group and *Economic Geography*. The Association of American Geographers' Annual Meeting, March 2004, Philadelphia.

Panel Organizer (with Mei-Po Kwan). Women in Administration. Sponsors: Committee on the Status of Women in Geography and GPOW. The Association of American Geographers' Annual Meeting, March 2004, Philadelphia.

Session Organizer (with Helen Lawton Smith). Two sessions on Regional Innovation Systems. Sponsor: Economic Geography Specialty Group. The Association of American Geographers' Annual Meeting, March 2004, Philadelphia.

Conference Organizer (with Shubha Ghosh). An international conference on Law, Technology and Development, March 2003, Baldy Center for Law and Social Policy. Twelve invited speakers. Conference Deliverable: A special issue of *Law and Policy*.

Session Chair. Regional Studies Association's conference, April 2003, Pisa, Italy.

Session Organizer and Chair. Innovation Geographies: Clusters, Networks and Globalization, Academy of International Business, June-July 2002, San Juan, Puerto Rico.

Session Organizer and Chair. International Perspectives on Innovation in Biotechnology, The Association of American Geographers' Annual Meeting, March 2002, Los Angeles, CA.

Invited Panelist. Annual Retreat: Research Methodology in Law and Social Sciences, Baldy Center for Law and Social Policy, Law School. University at Buffalo, December 1998.

Reviewer. National Science Foundation and European Research Foundation proposals

Reviewer. Journal articles for the *Annals of the Association of American Geographers*, *The Canadian Geographer*, *Geographical Analysis*, *Gender, Place and Culture-A Journal of Feminist Geography*, *Growth and Change*, *Economic Geography*, *Economic Development Quarterly*, *Environment and Planning A*, *European Planning Studies*, *International Regional Science Review*, *Journal of Geography in Higher Education*, *Papers in Regional Science-the Journal of the RSAI*, *Progress in Human Geography*, *Regional Studies*, *Urban Geography*.

Reviewer. Research articles for Decision Sciences Institute's Annual Meeting, November 1992, San Francisco.

Session Organizer and Chair. One session on "Spatial Aspects of International Business" at the Annual Meeting of the Association of American Geographers (sponsored by the Economic Geography Specialty Group), March 1998, Boston, MA.

Session Organizer, Chair, and Discussant. Two sessions: Industrial Change and the Service Economy II and III. Chair: Industrial Change and Service Economy I and IV. Discussant for two papers. North American Meetings of the Regional Science Association International, November 1997, Buffalo, NY.

Session Organizer. Two sessions on "Labor Geography" at the Annual Meeting of the Association of American Geographers (Session I sponsored by the Urban Geography Specialty Group and the Industrial Geography Specialty Group and Session II sponsored by the Urban Geography Specialty Group and the specialty group on Geographic Perspectives on Women), March 1996, Charlotte, NC.

Session Organizer. Two sessions on "Economic Restructuring and Labor Markets" at the Annual Meeting of the Association of American Geographers (both sessions were sponsored by the Industrial Geography Specialty Group), March 1995, Chicago.

Session Chair. Social and Cultural Issues. India Council Symposium, April 1992, Michigan State University, East Lansing, Michigan.

Session Organizer. Annual Meeting of the Association of American Geographers (session sponsored by the Industrial Geography Specialty Group), April 1991, Miami.

Session Organizer and Discussant. Services (2): Externalization and Offshore Relocation. Annual Meeting of the North American Regional Science Council, November 1990, Boston.

Organizer (Session I and II) and Chair (Session II). Foreign Direct Investment in the United States: Sessions I and II. 28th Annual Meeting of the Southern Regional Science Association, March 1990, Washington, D.C.

Organizer and Speaker. Quantitative Workshop on "Moran's I - Measures of Spatial Autocorrelation and Modeling Aspects," Department of Geography, University of Georgia, May 17, 1989.

Invited Participant. Conference on Global Partners: Local Communities and Japanese Transplants, October 1992. Organized by Illinois Wesleyan University and The Japan Foundation Center for Global Partnership, Bloomington, Illinois. (could not attend).

Invited Speaker. Workshop on Internationalizing the Business Curriculum: Broadening Perspectives to Expand Horizons, October 1992. Organized by the Center for International Business Education and Research, Michigan State University, East Lansing, Michigan. Topic: The Internationalization of Economic Activity: Spatial-Temporal Perspectives.

Invited Speaker. A Presentation on "Mentoring" for the Diversity Workshop for Chairs, April 1992, Michigan State University, East Lansing, Michigan.

Invited Participant. A Discussion on Integrating Gender into the Undergraduate Curriculum (program title: Between the Lines), WKAR-TV, August 1991. East Lansing, Michigan.

Invited Participant. A Career Seminar (later named the Miami-Group) at the Annual Meeting of the Association of American Geographers, April 1991, Miami.

Invited Speaker. "Geography of South Asia," Workshop on Cultural Diversity: An Asian American View for teachers in the Lansing Public Schools. Organized by Community Volunteers for International Programs, Center for International Programs, Michigan State University. March 26, 1991, Lansing, Michigan.

Participant. Workshop on Internationalizing the Curriculum. Organized by International Studies and Programs, Michigan State University, March 25, 1991, East Lansing, Michigan.

### **Membership in Professional Organization**

The Association of American Geographers  
Regional Science Association International  
Academy of International Business  
Academy of Management

### **University, Departmental, and Disciplinary Service**

External Ph.D. Examiner. 2008. Aston Business School, Birmingham, UK. Supervisor: Professor Stephen Roper, Head of Economics and Strategy Group, Student: Helen Xia. Topic: A comparison of the role of alliances and absorptive capacity in product development in US and European biotech firms.

Member, Provost's Internationalization Taskforce, University at Buffalo, Spring-Summer 2007, Recommendations presented to the Provost and the President on September 24, 2007

Reviewer: Reappointment, Promotion and Tenure. 2007. Clark University (Geography), University of Toronto (Geography), Buffalo State College (Mathematics).

Member, Faculty Senate Executive Committee, 2007-2008

Member, Faculty Senate, 2007-2008

Member, Executive and Steering Committee, Institute for Research and Education on Women and Gender, University at Buffalo, 2007-2010.

Co-Chair. Work-Life Committee, Institute for Research and Education on Women and Gender, University at Buffalo, 2007-2010.

Chair. Committee on the Status of Women in Geography, Association of American Geographers, 2005-2006.

Search Committee Chair. Economic Geography and International Trade Cluster, Department of Geography, University at Buffalo. 2005-2006.

Member. Awards Committee, Department of Geography, University at Buffalo. 2005-2006 [Based on our recommendation, Professor David Mark was appointed SUNY Distinguished Professor]

Director of Graduate Studies (elected for two terms, stepped down in 2004 to accept the editorship of *The Professional Geographer*), Department of Geography, University at Buffalo, July 1, 2000-December 31, 2004 (14 semesters, including summer sessions).

Search Committee Member, Vice President for Research, University at Buffalo, 2004-2005.

Search Committee (CAS Dean's appointee), Joint Faculty Appointment – College of Arts and Science and The Law School, University at Buffalo, 2004-2005.

Member (elected), Awards, Promotion and Tenure Committee, College of Arts and Sciences, University at Buffalo, 2004-2008 (elected by college faculty, stepped down in 2006 to accept the ACE Fellowship).

Advisory Committee, Baldy Center for Law and Social Policy, UB Law School. 2000-2006.

Member, Selection Committee, Minority Higher Education Management Program at UB, 2003.

Member, Committee on the Status of Women in Geography, Association of American Geographers. 2003-2006.

Board Member (elected), Economic Geography Specialty Group, Association of American Geographers, 2002-2004.

Member (appointed by the Executive Director of the Association of American Geographers), Nystrom Dissertation Awards Committee, AAG, 2000.

Member, Steering Committee, Institute for Research and Education on Women and Gender, University at Buffalo, 1999-2002.

External Reviewer. External reviewer of a proposal submitted by Daemen College (Buffalo), Business Division to the State Education Department, The University of the State of New York, Division of College and University Evaluation. Title of the Proposal: Master of Science in Global Business. Date of Application: Spring 1998. Date of Approval: October 1998.

Member, Executive Committee, Institute for Research and Education on Women and Gender, University at Buffalo, 1998-1999.

Member, Search Committee, International Trade Cluster, Department of Geography, University at Buffalo, 1997-1998.

Member, Provost's Advisory Committee on Academic Information and Planning, University at Buffalo, 1997-1998.

Member, Social Science Policy Committee, Faculty of Social Sciences, University at Buffalo, 1997-1999

Internship coordinator from the Department of Geography for the Export New York Program initiated by Western New York International Trade Council (Source of funding: Niagara Mohawk). 1998.

Member, Ad-Hoc Committee on Hiring Priorities, Department of Geography, University at Buffalo, Fall 1998.

Member (elected), Graduate Committee, Department of Geography, University at Buffalo, 1995-1997.

Colloquia Organizer, Department of Geography, University at Buffalo, 1994-1997 (weekly events).  
Human Geography Curriculum Revision Committee, Department of Geography, University at Buffalo, 1994-1997

GIS Faculty Search Committee, Department of Geography, Michigan State University, 1991.

Departmental Goals and Mission Committee, Department of Geography, Michigan State University, 1991.

Graduate Awards Committee, Department of Geography, Michigan State University, 1989-1990.

University Awards Screening Committee, Michigan State University, 1991-1992.

The International Comparative Research Committee, College of Social Science, Michigan State University.