

## **SANJOY CHAKRAVORTY**

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Website: <http://astro.temple.edu/~sanjoy>

### **EDUCATION**

**Ph.D.** 1992. School of Urban and Regional Planning, University of Southern California.

**Bachelor of Civil Engineering.** 1983. Department of Civil Engineering, Jadavpur University, Calcutta, India.

### **EMPLOYMENT**

July 1998 to date: *Associate Professor*, Dept. of Geography and Urban Studies, Temple University, Philadelphia.  
Department Chair from 2005.

September 1992 to June 1998 : *Assistant Professor* and *Visiting Assistant Professor*, Dept. of Geography and Urban Studies, and *Director of the Geographic Information Systems Laboratory*, Temple University, Philadelphia.

September 1987 to December 1992: *Technical Manager*, GIS Laboratory, Department of Geography, USC; and *TA*, School of Planning, USC, Los Angeles. *RA*, Dept. of Urban and Regional Planning, University of Florida, Gainesville.

August 1983 to July 1987: *Project Manager*, Unitech Ltd., in Visakhapatnam, India; and, *Assistant to the CEO*, Torsteel Research Foundation in India, Calcutta, India.

### **PUBLICATIONS**

#### **Books**

Chakravorty, S. and S. Lall. 2006. *Made in India: The Economic Geography and Political Economy of Industrialization*. Oxford University Press. In press.  
Expected date of publication: December 2006 / January 2007.

Chakravorty, S. 2005. *Fragments of Inequality: Social, Spatial, and Evolutionary Analyses of Income Distribution*. Routledge.

Indian edition forthcoming in late 2006 / early 2007.

G. Rengert, J. Radcliffe, and S. Chakravorty. 2005. *Policing Illegal Drug Markets: Geographic Approaches to Crime Reduction*. Criminal Justice Press.

## Papers

Stahler, G.J., Mazzella, S., Mennis, J., Chakravorty, S., Rengert, G., and Spiga, R. 2006. The Effect of Individual, Program, and Neighborhood Variables on Continuity of Treatment Among Dually Diagnosed Individuals. *Drug and Alcohol Dependence*. In Press.

Chakravorty, S., J. Koo, and S. Lall. 2005. "Do Localization Economies Matter in Cluster Formation? Questioning the Conventional Wisdom with Data from Indian Metropolises." *Environment and Planning A* 37:331-53.

Lall, S. and S. Chakravorty. 2005. "Industrial Location and Spatial Inequality: Theory and Evidence from India." *Review of Development Economics* 9:47-68.

Reprinted in *Spatial Disparities in Human Development: Perspectives from Asia*. 2006. R. Kanbur and A. Venables, editors. Tokyo: United Nations University Press. Pp. 158-87.

Chakravorty, S. 2003. "Industrial Location in Post-Reform India: Patterns of Interregional Divergence and Intraregional Convergence." *Journal of Development Studies* 40:120-52.

Chakravorty, S. 2003. "Urban Development in the Global Periphery: The Consequences of Economic and Ideological Globalization." *Annals of Regional Science* 37:357-67.

Reprinted in *Globalization and Urban Development*. 2005. H. W. Richardson and C-H. Bae, editors. Berlin and New York: Springer. Pp. 29-42.

Chakravorty, S. 2003. "Capital Source and the Location of Industrial Investment: A Tale of Divergence from Post-Reform India." *Journal of International Development* 15:365-83.

Chakravorty, S. 2000. "How Does Structural Reform Affect Regional Development? Resolving Contradictory Theory with Evidence from India," *Economic Geography* 76:367-394.

Chakravorty, S. 1999. "Liberalism, Neoliberalism, and Capability Generation: Toward a Normative Basis for Planning in Developing Nations," *Journal of Planning Education and Research* 19: 77-85.

Chakravorty, S. 1996. "Urban Inequality Revisited: The Determinants of Income Distribution in U.S. Metropolitan Areas," *Urban Affairs Review* 31: 759-777.

- Chakravorty, S. 1996. "A Measurement of Spatial Disparity: The Case of Income Inequality," *Urban Studies*, 33: 1671-1686.
- Chakravorty, S. and G. Gupta. 1996. "Let a Hundred Projects Bloom: Structural Reform and Urban Development in Calcutta," *Third World Planning Review*, 18: 415-431.
- Chakravorty, S. 1996. "Too Little, in the Wrong Places? The Mega City Programme, and Efficiency and Equity in Indian Urbanization," *Economic and Political Weekly*, 31: 2565-2572.
- Chakravorty, S. 1995. "Patterns of Urbanization, Urban Concentration and Income Distribution: Implications for Development," *Urban Geography*, 16: 622-642.
- Chakravorty, S. 1995. "Identifying Crime Clusters: The Spatial Principles," *Middle States Geographer*, 28: 53-58.
- Chakravorty, S. 1994. "Equity and the Big City," *Economic Geography*, 70: 1-22.
- Banerjee, Tridib and S. Chakravorty. 1994. "Transfer of Planning Technology and Local Political Economy: A Retrospective Analysis of Calcutta's Planning," *Journal of the American Planning Association*, 60: 71-82.
- Chakravorty, S. 1993. "The Distribution of Population and Income: Explorations Using Asian Cases," *GeoJournal*, 29: 115-124.

## Chapters

- Chakravorty, S. 2006. "Industrialization: South Asia." In *Encyclopedia of the Modern World*. P. N. Stearns, Ed. New York: Oxford University Press. (Forthcoming)
- Chakravorty, S. 2006. "Kolkata." In *Encyclopedia of the Modern World*. P. N. Stearns, Ed. New York: Oxford University Press. (Forthcoming)
- Lall, S. and S. Chakravorty. 2006. "Industrial Location and Spatial Inequality: Theory and Evidence from India." In *Spatial Disparities in Human Development: Perspectives from Asia*. R. Kanbur and A. Venables, editors. Tokyo: United Nations University Press. Pp. 158-87. (Reprint from *Review of Development Economics*).
- Chakravorty, S. 2005. "From Colonial City to Global City? The Far-From-Complete Spatial Transformation of Calcutta," in *The Urban Geography Reader*, N. R. Fyfe and J. T. Kenny (Eds.), London and New York: Routledge. Pp. 84-92. (Reprint from *Globalizing Cities: A New Spatial Order?* P. Marcuse and R. van Kempen, editors, Oxford: Blackwell. pp. 56-77.)
- Chakravorty, S. 2005. "Urban Development in the Global Periphery: The Consequences of Economic and Ideological Globalization." In *Globalization*

*and Urban Development*. H. W. Richardson and C-H. Bae, editors. Springer: Berlin and New York. Pp. 29-42. (Reprint from *Annals of Regional Science*).

- Chakravorty, S. 2005. "The History and Geography of Regional Development Theory: A Futile Search for a Paradigm," in *Development, Displacement and Disparity – India in the Last Quarter of the Twentieth Century*, S. Marjit and N. Banerjee (Eds.), New Delhi: Orient-Longman. Pp. 29-52.
- Chakravorty, S. 2004. "Redistribution". In *The Encyclopedia of International Development*. T. Forsythe Ed. Routledge. Pp. 582-3.
- Chakravorty, S. 2004. "The Kuznets Curve". In *The Encyclopedia of International Development*. T. Forsythe Ed. Routledge. Pp. 389-90.
- Chakravorty, S. 2003. "Reforms and Re-forming Indian Metropolises: The Arguments for Contextual Policy," in *Forum on Urbanizing World and UN Human Habitat II*, New York: IRFD Publications.
- Rengert, G., S. Chakravorty, T. Bole, and K. Henderson. 2000. "Geographic Aspects of Illegal Drug Markets," in *Illegal Drug Markets: From Research to Prevention Policy*, M. Natarajan and M. Hough (Eds.), Muncie, NY: Criminal Justice Press. pp. 217-237.
- Chakravorty, S. 2000. "From Colonial City to Global City? The Far-From-Complete Spatial Transformation of Calcutta," in *Globalizing Cities: A New Spatial Order?* P. Marcuse and R. van Kempen (Eds.), Oxford: Blackwell. pp. 56-77. (Also translated into German.)
- Chakravorty, S. and W. V. Pelfrey, jr. 2000. "The Use of Exploratory Spatial Data Analysis Tools: Some Arguments and Applications with Burglary Data," in *Analyzing Crime Patterns: Frontiers of Practice*, V. Goldsmith, P. Maguire, J. Mollenkopf, and T. Ross (Eds.), Beverly Hills: Sage. Pp. 65-76.
- Chakravorty, S. 1999. "The Case for Egalitarian Development," *Proceedings of the International Conference of the Applied Econometrics Association*. Applied Econometrics Association. pp. 623-629.

#### **Other Publications (Reports, Reviews, Op-Ed Pieces)**

- Chakravorty, S. 2006. Review of Twenty-First Century India: Population, Economy, Human Development and the Environment. In *Population, Space and Place*. Forthcoming.
- Chakravorty, S. 2006. "Should India Encourage Mixed Land Uses?" *Economic Times*. February 15.
- Lall, S. and S. Chakravorty. 2004. "Industrial Location and Spatial Inequality: Theory and Evidence from India" by Somik Lall and Sanjoy Chakravorty. *World Institute for Development Economics Research (WIDER) RP2004/49*. Tokyo.

- Lall, S., J. Koo, and S. Chakravorty 2003. "Diversity Matters: The Economic Geography of Industry Location in India". *World Bank Policy Research Working Paper 3072*. Washington DC.
- Chakravorty, S., J. Koo, and S. Lall 2003. "Metropolitan Industrial Clusters: Patterns and Processes". *World Bank Policy Research Working Paper 3073*. Washington DC.
- Chakravorty, S. 2003. Review of Globalization and the Margins. In *Annals of the Association of American Geographers* 93:757-59.
- Chakravorty, S. 2003. Review of Combating Urban Inequalities. In *International Journal of Urban and Regional Research* 27:762-63.
- Chakravorty, S. 2001. Review of Cities in the Pacific Rim: Planning Systems and Property Markets. In *Journal of Housing and the Built Environment* 15:381-83.
- Rengert, G., and S. Chakravorty. 2000. "Evolution of Drug Markets: An Analysis of the Geography of Susceptibility, Accessibility, Opportunity, and Police Action." A Research report to the National Institute of Justice.
- Chakravorty, S. 1999. "The Spatial Dimensions of Structural Reform: Policy, Investment Location, and the Emerging Economic Geography of India." A Research report to the National Science Foundation.
- Chakravorty, S. 1999. "The Development of Integrated Laboratories in Geography." A Research report to the National Science Foundation.
- Chakravorty, S. 1998. "When All is Said and Done," *The Telegraph*, February 11.
- Chakravorty, S. 1995. "The City of Local Heroes," *The Telegraph*, August 27.
- Chakravorty, S. 1995. "The Last Metro," *The Telegraph*, August 15.
- Chakravorty, S. 1992. "Equity in the Urban System: A Study of Spatial Polarization Processes for Population and Income." Unpublished Ph.D. dissertation, University of Southern California.
- Chakravorty, S. 1990. "A Survey of Geographic Information Systems Hardware, Software, and Consultants," A consultant's report prepared for Prop, Inc., Pasadena, California.

### **Works in Preparation**

- Chakravorty, S. *Morphopolis*. A book-length work. 75 percent complete.

Chakravorty, S. *India's Regional Future: Backward Reflections*. A research paper. 75 percent complete.

Chakravorty, S. *Globalization and Inequality: Toward an Explanatory Framework*. A research paper, to be developed into a book-length work.

### **GRANTS AND AWARDS**

Note: The following list does not include merit awards from Temple. I have received these almost every year that I have been here. Since I have not tracked this I cannot detail it. The total number of units is around 30.

2005. *Summer Research Fellowship*. Temple University.

2004. *Study leave*. Temple University.

2002. *World Bank* grant for project: "Clustering, Productivity, and Growth In Indian Industry" 2002-2003 (\$50,000), Co-Principal Investigator.

1999-2000. *National Institute of Justice* grant for project: "Evolution of Drug Markets: An Analysis of the Geography of Susceptibility, Accessibility, Opportunity, and Police Action." (\$261,000), Co-Principal Investigator.

1997-1999. *National Science Foundation* grant from the Geography and Regional Science Program for the project: "The Spatial Dimensions of Structural Reform: Policy, Investment Location, and The Emerging Economic Geography of India." (\$55,000), Principal Investigator.

1996-1998. *National Science Foundation* grant from the Instrumentation and Laboratory Improvement Program for "The Development of Integrated Laboratories in Geography" (61,000 including matching grant), Principal Investigator.

1998. *Study leave*. Temple University.

1995. *Senior Fellowship*, American Institute of Indian Studies, University of Chicago, for studying "India's Mega-City Programme."

1995. *Summer Research Fellowship*. Temple University

1992. *Finalist's Award*, Charles M. Tiebout Prize in Regional Science, Western Regional Science Association.

1988-91. *Pre-doctoral Merit Fellowship*, Graduate School of the University of Southern California.

1977-83. *National Talent Search Scholarship*, Government of India.

## **PAPERS PRESENTED**

Note: The following list does not include presentations that I did not make myself. My name has been part of several presentations—by George Rengert (in criminal justice), Jerry Stahler (in GUS), or Somik Lall (in the World Bank)—where I have not been physically present. I have not kept track of these events, hence I cannot detail them.

2006. “*Globalization and Inequality: Toward a Analytical Framework.*” Annual meeting of the Association of American Geographers. Chicago. March.
2005. “*Who Gets What: A New Look at Income Distribution Theory.*” Jadavpur University, Department of Economics. July. Invited.
2005. “*Reform or Revolution: Putting Urban Transformation in its Place.*” Cornell University. February. Invited.
2004. “*Social Theory and Inequality Change.*” Center for the Study of Social Sciences, Kolkata, June. Invited.
2004. “*Toward a Social Theory of Inequality.*” Annual Conference of the Society for the Advancement of Socio-Economics. Washington, DC. July.
2003. “*Industrial Clusters in Indian Metropolises: Patterns, Processes, Explanations.*” Annual Conference of the Regional Science Association International. Philadelphia, November.
2003. “*Spatial Inequality and the Size Distribution of Income, or a Social Theory of Income Distribution.*” Cambridge Journal of Economics Conference on Economics for the Future. Cambridge, UK, September.
2003. “*Social Theory, Spatial Theory and Income Inequality.*” Department of Economics, Jadavpur University, Kolkata, August. Invited.
2003. “*Social Theory and Income Distribution.*” Center for the Study of Social Sciences, Kolkata, June. Invited.
2003. “*The Economic Geography of Industrial Location in India.*” WIDER Conference on Spatial Inequality. United Nations University. Tokyo. March. (With S. Lall).
2002. “*Development Paradoxes in Winner and “Also Ran” Cities: Some Consequences of Economic and Ideological Globalization.*” Conference on Impact of Globalization on Urban Development in Bellagio, Italy, August.
2002. “*History, Geography, and Inequality.*” Geography and Urban Studies Colloquium Series, Temple University, April.

2002. “*Globalization and Unequal Development: Toward an Explanatory Framework.*” Conference on Globalization and (In)equality, University of Warwick, U.K., March.
2001. “*Divergence and Convergence in Indian Industrialization.*” Economics Department, Jadavpur University, Calcutta. July. Invited.
2001. “*Reforms and Re-forming Indian Metropolises: The Arguments for Contextual Policy.*” United Nations Habitat Conference, New York, June.
2001. “*Futility and Misdirection: The Results of Four Decades of Research on Unequal Development.*” Annual Conference of the Association of American Geographers, New York, February.
2000. “*Unequal Development in the Long Run: Myth and Reality.*” Address to the Temple University Y Club. November. Invited.
2000. “*A Geographic Analysis of Illegal Drug Markets.*” Paper presented to The American Society of Criminology (with G. Rengert and K. Henderson), San Francisco, California (November).
2000. “*Unequal Development in the Long Run: The New Stylized Facts.*” Paper presented to the Development Studies Association annual conference, London, November.
2000. “*Drug Market Analysis: The Wilmington Project.*” Paper presented to the 4<sup>th</sup> Annual Crime Mapping Research Conference, San Diego, California, December (with three others).
2000. “*How Does Structural Reform Affect Regional Development: Evidence from India,*” Annual Conference of the Association of American Geographers, Pittsburgh, April.
2000. “*The Missing Link: The Role of Research in the Formation of Urban Development Policy in Calcutta,*” UNESCO, Zeist, Netherlands, March. Invited.
2000. “*Regions after Reforms: Paradigms Lost in India,*” Geography and Urban Studies Colloquium Series, Temple University, February.
1999. “*The Determinants of Industrial Location: India after Liberalization,*” Center for Studies in the Social Sciences, Calcutta, June. Invited.
1999. “*Spatial Aspects of Illegal Drug Markets in Wilmington, Delaware,*” (with G. Rengert, K. Henderson, and T. Bole), American Society of Criminology, Toronto, November.
1999. “*Preliminary Findings from the Study of Post-Reform Investment Patterns in India,*” World Bank, Washington D.C., September. Invited.

1999. "*The Case for Egalitarian Development*," International Conference of the Applied Econometrics Association on Employment, Inequalities and Social Policies. Pau, France, May.
1999. "*How Does Structural Reform Affect Regional Development? Resolving Contradictory Theory with Evidence from India*," Conference of the Western Regional Science Association, Ojai, Ca, February.
1999. "*Geography of Illegal Drug Markets—Analyzing Susceptibility, Opportunity and Accessibility*," (with G. Rengert), Cluster Conference of the National Institute of Justice, Washington, D.C., February. Invited.
1998. "*Reforming Regions-I: The New Political-Economy of Development*," Center for Studies in the Social Sciences, Calcutta, June. Invited.
1998. "*Reforming Regions-II: The Distribution of Industry in India and the Future of Regional Inequality*," Center for Studies in the Social Sciences, Calcutta, June. Invited.
1998. "*Using GIS for Development Research*," Center for Environmental Planning and Technology, School of Planning, Ahmadabad, March. Invited.
1998. "*The State-of-the-art of Geographical Economics*," Department of Economics, Jadavpur University, Calcutta, January. Invited.
1997. "*Reforms and Regions: The Effects of Liberalization on Regional Inequality and Development*," International Conference of the Regional Science Association, Buffalo, November.
1997. "*The Case for Egalitarian Development*," Geography and Urban Studies Colloquium Series, Temple University, Philadelphia, October.
1997. "*Exploratory Spatial Data Analysis for Identifying Crime Patterns: Some Preliminary Findings from Principles and Tools Applied to NYPD data*," Workshop on Identification and Evaluation of Methods for Measuring and Analyzing Crime Patterns and Trends with GIS, GSUC-CUNY and NYPD, National Conference, New York, February. Invited.
1996. "*From Colonial City to Global City? The Spatial Transformation of Calcutta*," the Partitioned City International Conference at the Bauhaus, Berlin-Dessau, Germany, May. Invited.
1996. "*Understanding Inequality: A Spatial Approach*," Annual Conference of the Association of American Geographers, International, Charlotte, April.
1995. "*The Effectiveness of the Drug Free Crime Zone: A Spatial Analysis*," (with George Rengert), The Pennsylvania Geographic Society, Regional, Westchester, PA, November.

1995. “*Identifying 'Hot Spots': A Conceptual Approach*,” Association of American Geographers, Mid-States division, Regional, Geneseo, October.
1995. “*Industry and Environment: Convergence and Conflict*,” invited speaker at a national conference at the Maxmueller Institute, Calcutta, June. Invited.
1995. “*The Spatial Dimensions of Urban Inequality*,” Annual Conference of the Association of American Geographers, International, Chicago, March.
1995. “*The Geography of Urban Inequality*,” Geography and Urban Studies Colloquium Series, Temple University, Local, Philadelphia, February.
1994. “*On Measuring Spatial Inequality*,” Annual Conference of the Association of American Geographers, International, San Francisco, April.
1994. “*The Geography of Crime in the Central City: Crime Hot Spots and Drug Free School Zones*,” (with George Rengert) Annual Conference of the American Society of Criminology, National, Miami, March.
1994. “*The Measurement of Spatial Disparity: The Case of Philadelphia*,” Geography and Urban Studies Colloquium Series, Temple University, Local, Philadelphia, February.
1992. “*GIS and Cartography*,” Chair of session at the Annual Mid States Conference of the Association of American Geographers, Regional, Syracuse, October.
1992. “*Equity and the Big City*,” Annual National Conference of the Western Regional Science Association, Lake Tahoe, February. Invited.
1992. “*Equity in the Urban System: A Theoretical Perspective with Cross National Evidence*,” The Planning Colloquium Series, University of Southern California, Local, Los Angeles, January.
1991. “*The Distribution of Population and Income: Asian Explorations*,” Third International Conference on Asian Urbanization, New Delhi, January.

## **TEACHING**

### **Courses Taught**

World Urban Patterns (GUS 60 and H 95, Honors version)  
 Modern Urban Analysis (GUS 410)  
 Fundamentals of Geographic Information Systems (GUS 262/462)  
 Applications in Geographic Information Systems (GUS 265/465)  
 Seminar in Economic Models (GUS 432)  
 Research Methods in Geography and Urban Studies (GUS 282/482)  
 Seminar on Perspectives on Development (GUS 309/409)

## Graduate Student Advising

Principal Advisor on completed Master's Thesis (the highest degree granted by my department is the MA):

Richard August  
Matthew Bauman  
Thomas Bole  
Bruce Boucek  
Braley Crandall  
Gregory Dean  
John Haddad  
Lillian Jeng  
Andrew Johnson  
Gerald Krieg  
Mark Renye  
Christopher Salvatico  
Heidi Shrager  
Scott Todd  
Frank Ussher  
Jonathan Wallace  
Lynne Wolf

In addition, I have been a member of the thesis/dissertation committee for the following graduates:

*In Geography and Urban Studies:*

William Bradley  
Andrew Buss  
Susan Clampet-Lundquist  
Elizabeth Gutierrez  
Jacqueline Inverso  
Jean Janik  
Kathleen A. Lorenz  
Silvana Mazzella  
Adam Pine  
Daniel Reagle  
Kenneth Reynolds  
Vonetta Robinson  
Michelle Schmitt  
Hiromi Seino  
Scott Snyder  
Brian Sullivan  
Carrie Turner  
Evan Weiss

*In other departments:*

Carey Million (PhD Anthropology)  
Diogenes Patino (PhD Anthropology)

William Pelfrey (PhD Criminal Justice)  
Kimika Williams-Witherspoon (PhD Anthropology)

Note: These lists are almost but not fully complete.

## **SERVICE**

### **Reviewer**

#### **Journals**

Annals of the Association of American Geographers  
Current Anthropology  
Economic Geography  
Environment and Planning A  
Geographical Analysis  
Geographical Review  
Housing Studies  
International Journal of Geographic Information Science  
International Journal of Urban and Regional Research  
Journal of Family Planning Perspectives  
Journal of Housing & the Built Environment  
Journal of City and Community  
Journal of Regional Science  
Mosaic: A Journal for the Interdisciplinary Study of Literature  
Review of Development Economics  
Papers in Regional Science  
Professional Geographer  
Third World Planning Review  
Urban Affairs Review  
Urban Geography  
Urban Studies

#### **Presses (manuscript review)**

Blackwell  
Elsevier  
John Wiley  
Ohio State University  
Prentice Hall  
West Educational

#### **Foundations (proposal review)**

DFID: UK Department for International Development  
Israeli Science Foundation  
National Science Foundation, Geography and Regional Science Program  
National Science Foundation, Instrumentation and Laboratory Improvement Program

#### **Other**

Temple University internal peer review

Tenure review as external member

### **Department, College, and University Service**

Department Chair, 2005- .  
Area Coordinator (Non-US societies, Human behavior), General Education, 2006- .  
Joint Coordinator, Global Temple International Conference, 2006.  
Joint Coordinator, Urban Research Conference, 2006.  
Faculty Search Committee, Criminal Justice, 2006-07.  
Faculty Senate International Programs Committee, Chair, 2004-05.  
Faculty Search Committee, Chair, GUS, 2003-04.  
Personnel Committee, Faculty Senate, 2003.  
Graduate Committee, CLA, 2001- 2004. (Chair 2002-03).  
Personnel Committee, GUS, 2002-2003; 2004-2005.  
Personnel Committee, Chair, GUS, 2001-2002.  
Faculty Search Committee, Ambler College, 2001-02, 2002-03.  
Faculty Search Committee, Chair, GUS, 2000-01.  
Personnel Committee, GUS, 2000-2001.  
Budget Priorities Committee, CLA, 2001 (replacement).  
Research Committee, CLA, 2000- .  
Study Leave Committee, CLA, 1999-2001.  
Representative Member of Faculty Senate, 1999- .  
Undergraduate Research Committee, CAS, 1996-97.  
Academic Technology Committee, CAS, 1996-98.  
Graduate Committee, GUS, 1994-97; 2000-02.  
Faculty Search Committee, GUS, 1997.  
Technology Committee, GUS, 1998- .  
Coordinator, Colloquium Series, Geography and Urban Studies, 1995-97, 2004-05.

### **Other**

*Chair*, Committee to create a new graduate program in Community and Regional Planning, Ambler College, 2000-01. Approved in 2001.

*Coordinator*, Committee to create a new graduate program in International Development Studies in CLA. 2000-02. Effort suspended.

*Director of the Geographic Information Systems Laboratory* from Fall 1992 through Spring 1999. Supervised a four-fold expansion of the Lab hardware, software and data resources in 1992-93, and additional improvements in 1993-94, 1994-95, 1995-96, 1996-97, and a major overhaul in 1998-99. Received National Science Foundation Instrumentation and Laboratory Improvement grant (1996-1998) plus four additional grants from the College and the University; both the GIS and Cartography laboratories were completely updated and overhauled with these funds.

*Consultant*

City of Philadelphia  
Ludwig Corporation  
Regents College  
World Bank

*Author and coordinator* of all long and short term computer and technology plans (four between 1992 and 1997) for the department at the College and University levels. Co-author of plan in 2003 (with M. Mattson and M. Friedman) which was awarded \$196,000 from the Provost's technology fund.