

CURRICULUM VITAE

June 2008

Karen R. Polenske

ACADEMIC EXPERIENCE HIGHLIGHTS

Massachusetts Institute of Technology, Department of Urban Studies and Planning
Professor, 1981-present;
Associate Professor, 1972-1981.

Teaching

2007: Innovations and Energy and Environmental Modeling;
1972-present: Analyzing and Accounting for Regional Economic Growth (earlier called Regional Economic Theories, Techniques, and Accounts);
1990-present: Regional Socioeconomic Impact Analyses and Models;
2002-2003 Globally Linked Regional Centers of Innovation;
1994-2000: Property Rights Under Transition;
1998-1999: The Geography of Globalization: Regional Development, Asset Revaluation, and Community Sustainability;
1996-1998: Freshman Seminar on Hongkong;
1979-1981, 1985-1990: Political Economy for Planners (Master's program core economics class: neoclassical economics, development economics, and political economy);
1975-1990: Theories and Strategies of Political Economy and Planning for Developing Countries;

Research

Director of the multiregional planning (MRP) research staff, conducting studies on the United States, People's Republic of China, Brazil, and other developing countries economies, with a major focus on theoretical and empirical analyses of employment, energy, environmental, property-rights, public-infrastructure, restructuring, and transportation issues.

Special Program in Urban and Regional Studies (SPURS)

1991-1995, director; 1973-1974, co-associate director; 1972-present, faculty associate.

Selected other MIT activities

SAP (School of Architecture and Planning), Energy Council, 2006-present. Member
MIT Energy Research Council. 2005-2006, Member
DUSP (Department of Urban Studies and Planning), Regional Planning Track, Head, 2006-present
International Development and Regional Planning group: 1996-2006, Head
MIT Edgerton Award Selection Committee. 2004-2005, Member; 2005-2006,
School of Architecture and Planning Diversity Committee: 2000 to 2005 (originally women faculty review committee), Member
Ph.D. program: Head: 1973-1977; Member: 1978, 1981, 1993-1995, 1979-1980, 1982-1992, 1996- present
Community and Regional Development Program Group: Co-Head 1973-1975
Urban and Regional Economics Group: Head 1980-1989
Employment, Community, and Regional Development Cluster: 1989-1991, Head
DUSP Women in Planning Group: Co-Head 1984-1994

Keio University, Department of Business and Commerce, Tokyo, Japan, June 1996,
Visiting Professor.

Chinese Academy of Sciences, Institute of Systems Science, Beijing, China, August 1988, 1990,
1992; July 1991, 1993, 1994
Visiting Professor

Université de Montpellier-I, Montpellier, France, May-June 1985 Faculte de Droit et des Sciences
Économiques
Visiting Professeur

University of Queensland, St. Lucia, Queensland, Australia, July-August 1983 S.W. Brooks
Visiting Lecturer.

University of Cambridge, 1970-1971
Senior Visitor, Faculty of Economics, and member of High Table, King's College.

Harvard University, 1961-1972
Research Associate, Harvard Economic Research Project, July 1966-June 1972; director of a
multiregional input-output research study of the U.S. economy.

Instructor, Lecturer, 1966-1970, teaching the following three classes: Location and Regional
Economics; Introduction to Quantitative Methods; The Structure of the American Economy.

ACADEMIC BACKGROUND

Oregon State University, B.A., Home Economics, 1959
Syracuse University, M.A., Public Administration and Economics, 1961
Harvard University, Ph.D., Economics, 1966

FIELDS OF SPECIAL COMPETENCE

Energy, environmental, and infrastructure models and analyses
Property rights in transitional economies
Multiregional and enterprise input-output accounts and models
Regional and industrial restructuring

PROFESSIONAL AND OTHER ACTIVITIES

American Economic Association (Member, 1960 to present).
American Society of Mechanical Engineers, Technical Economics Committee
(Member, 1993 to 1999).
Association of American Geographers (Member, 1999 to 2004)
Bureau of Economic Analysis, U.S. Department of Commerce, Economic Advisory
Committee (Member 1999-2004)
Center for Environmental Assessment and Policy, Operations Committee,

University of Cincinnati, Ohio (Member, 1995-1997).
Center for Environmental Studies, Senior Economic Advisory Committee,
Shijiazhuang, People's Republic of China (Member, 1997 to 1999).
International Association for Research in Income and Wealth (Member, 1980-
1999).
International Input-Output Association (Member, 1986-present; President, 1997 to 2001; Vice
President, 1991-1996; Council Member, 1991 to 2004; Fellow 2007 to present).
National Ocean Economics Project (NOEP) National Advisory Board. 1999-present.
North American Regional Science Association (Member, 1966-present; Council
Member 1990-1993; Alonso Prize committee member 2003-2007; Fellow 2005 to present).
South Coast Air Quality Management District, Socioeconomic Technical Modeling Advisory
Committee, Los Angeles, CA (Member, 1992-present).
South Coast Air Quality Management District, Open Market Evaluation. Senior Economist. Los
Angeles, CA (Reviewer, 2000-2001).
U.S. National Research Council, U.S. National Committee to the Pacific Science Association,
Washington, DC (Member, 1997 to 2001).
University of West Virginia, Regional Research Institute, External Advisory Board (Member,
2000 to present).

SELECTED AWARDS AND FELLOWSHIPS

Sloan Industry Studies Best Book Award for 2008.

International Input-Output Association (IIOA) Fellow (In first cohort of lifetime appointments for
important scientific contributions to the field of input-output economics). International Input-
Output Association. 2007 to present.

Regional Science Association International (RSAI) Fellow (Lifetime appointment, given in 2005 to
17 of the then ~3500 international members to honor significant scholarly and research
contributions in the field of regional science) Regional Science Association International. 2005
to present.

Margaret McCoy Award (for outstanding contribution towards the advancement of women in
planning at institutions of higher education through service, teaching, and research). Associated
Collegiate Schools of Planning/Faculty Women's Interest Group. 1999.

Walter Isard Distinguished Scholar Award (for distinguished long-term achievements in the field of
Regional Science). North American Regional Science Association, 1996.

Visiting Professor, Fulbright and CNPq: University of Brasilia, Department of Economics, and
Faculdade Latino-Americano de Ciencias Sociais (FLASCO), Brasilia, Brasil, May-June 1994.

Visiting Scholar. U.S. National Academy of Sciences, Visiting Scholar Exchange Program,
Committee on Scholarly Communication with the People's Republic of China, Chinese Academy
of Sciences, Institute of Systems Science, Beijing, China, May-July, 1986.

Visiting Professeur, Ministere de L'Education Nationale Fellowship, Université de Montpellier-I,
Montpellier, France, Faculte de Droit et des Sciences Économiques, May-June 1985.

Sabbatical Fellowship, Netherlands Institute for Advanced Study, January-July 1980.

SELECTED RECENT ADVISING AND CONSULTING EXPERIENCE

National Ocean Economy Project (NOEP). Senior Advisor on National Advisory Board. (Member), 2002-present. Advising on the accounting and economic-impact analyses related to the ocean economy.

South Coast Air-Quality Management District (SCAQMD). Socioeconomic Technical Modeling Advisory Committee. (Member, 1993-present). Senior Economist. Reviewing different proposals for modeling the air-pollution rules and regulations.

U.S. Army Corp of Engineers (USACE). Senior Economic Consultant. (2005-2006) External independent reviewing of impact studies for Economic Consequence Analyses, prepared for Task 9 of IPET [Interagency Performance Evaluation Task Force] concerning hurricane Katrina]

Bureau of Economic Analysis, U.S. Department of Commerce. Economic Advisory Committee, Washington, DC (Member, 1999-2004). Advising on various national and regional accounting issues.

The Models of Sustainable Development (MSD) Project, Rob Lichtman, Director. January 2000. Senior Economist. Conducted economic analyses for the sustainable development of Rizhao, Shandong Province, People Republic of China.

Intergovernmental Panel on Climate Change (IPCC). Review Editor of Chapters 3-5 of Working Group 2. 1998-2000. Attended initial meetings in New Delhi India and Oxford, England, and the final meeting in Kathmandu, Nepal. Reviewed chapters between meetings and responded to inquiries at the meetings.

United Nations Development Programme and Development Research Center of the State Council of the People's Republic of China (PRC). 1995-1997. Senior Economist. Conducted economic analyses for the sustainable development of the Yellow River Delta region in the PRC.

United Nations Development Programme. August 1993. Senior Economist. Evaluated the regional planning and economics curricula and related activities at the National Academy of Civil Administration, Mussoorie, India.

Asian Development Bank (ADB). December 1992. Senior Economist. Reviewed the potential for economic development in five Northwest provinces in the People's Republic of China (China) for possible shift in ADB funding to the Northwest of China.

Boston Institute for Developing Economies. 1990-1991. Senior Economist. Worked with the regional division at Bappenas (national planning agency in Indonesia) on a review of the regional data bases, input-output tables, and policies, and integrated area development projects, including means to deal with regional development issues in Indonesia.

Cambridge Systematics, Inc. (CSI). 1983-1991. Senior Economist. Analyzed the economic impact of the changes in the U.S.-Canadian fishing boundary on the Nova Scotia and New England regions, using Canadian and U.S. regional input-output tables. Reviewed the use of

REMI by the CSI staff to determine economic impacts of Highway 29/45/10 Corridor Study in Wisconsin and investments by the Massachusetts Water Resources Authority. Assisted with a study of economic impacts of highway investment in Finland.

UN Expert Group on Production Accounts. 1989. Academic Representative to the expert group, which met in Vienna, Austria. Discussed potential revisions to the input-output and production accounts in UN System of National Accounts.

World Bank, China Transportation and Energy Operations Division, 1988-1990. Senior Economist. Helped to develop methodologies for using the 1987 Chinese national and regional input-output tables for investment impact analysis, for transportation planning in the Yangtze Economic Zone, and for rail investment and coal transport studies.

Asian Development Bank and PACMAR consulting firm for the State Statistical Bureau, Beijing, People's Republic of China. June 27-July 8, 1988. Senior Economist. Gave two weeks of lectures on the UN System of National Accounts to State and Provincial Statistical Bureau staff.

Presentations at regional planning conferences and/or lectures. The following countries: Australia, Austria, Brazil, Canada, People's Republic of China (in 24 provinces), England, France, Germany, Hungary, India, Indonesia, Iran, Japan, Korea, Mexico, Norway, Poland, Spain, Sweden, Switzerland, Taiwan, Thailand, Tunisia, United States, the former Union of Soviet Socialist Republics.

SELECTED LIST OF PUBLICATIONS

Books

The Economic Geography of Innovation. Spring 2007 (Cambridge University Press). Chinese translation to be published in Spring 2009, Higher Education Press (Editor)

The Technology-Energy-Environmental-Health (TEEH) Chain in China. 2006. (Dordrecht, The Netherlands: Springer) (Editor). Chinese translation published in December 2006 by Higher Education Press, Beijing, People's Republic of China.

Chinese Economic Planning and Input-Output Analysis. Hong Kong: Oxford University Press. 1991. (Co-editor with Chen Xikang.)

Frontiers of Input-Output Analysis. New York, NY: Oxford University Press, 1989. (Co-editor with Ronald E. Miller and Adam Z. Rose).

The U.S. Multiregional Input-Output Accounts and Model. Lexington, MA: Lexington Books, D.C. Heath and Company, 1980. Chinese translation published in 1990 by Liaoning Publishing House, Shenyang, Liaoning Province, China.

Advances in Input-Output Analysis. Cambridge, MA: Ballinger Publishing Company, 1976 (Co-editor with Jiri V. Skolka).

State Estimates of Technology, 1963. Lexington, MA: Lexington Books, D.C. Heath and Company, 1974 (jointly with members of research staff).

Multiregional Input-Output Analysis. Three volumes; Lexington, MA: Lexington Books, D.C. Heath and Company, 1972, 1972, 1973 (Editor).

State Estimates of the Gross National Product, 1947, 1958, 1963. Lexington, MA: Lexington Books, D.C. Heath and Company, 1972 (jointly with members of research staff).

Selected Peer-Reviewed Papers, Book Chapters, and Reports authored or co-authored by Karen R. Polenske

Jan Oosterhaven and Karen R. Polenske. 2008. "Modern Regional Input-Output and Impact Analysis." In *Advances in Regional Growth and Development Theories*, edited by Roberto Capello and Peter Nijkamp. Elsevier, Chapter 21.

Zhan Guo, Ning Ai, and Karen R. Polenske. Forthcoming. "Evaluating Environmental Benefits of Yellow-Dust Storm Related Policies in North China." *International Journal of Sustainable Development and World Ecology*.

Ning Ai and Karen R. Polenske. 2008. "Socioeconomic Impact Analysis of Yellow-Dust Storms: A Case Study in Beijing, China." *Economic Systems Research*. (June) 20:2.

Apiwat Ratanawarada and Karen R. Polenske. 2007. "Measuring Geography of Innovation: A Literature Review," In *The Economic Geography of Innovation*, edited by Karen R. Polenske Cambridge, UK: Cambridge University Press: 30-59

Karen R. Polenske and Yu Li. 2006. "Measuring Dispersion Economies." In *Entrepreneurship and Dynamics in the Knowledge Economy*, edited by Charlie Karlsson, Borje Johansson, and Roger Stough, London: Routledge, 47-72.

Karen R. Polenske. 2006. "Competition, Collaboration, and Cooperation: an Uneasy Triangle in Networks of Firms and Regions." In *Regional Competitiveness*, edited by Ron Martin, Martin Kitson, and Peter Tyler. London: Routledge: 39-53.

Ciro Biderman, Karen R. Polenske, and Nicolas O. Rockler. 2005. "Demand and Cost Impacts of the 2MM Technology Program in the U.S. Motor-Vehicle Market." Vol. 14, No. 7 (October) *Economics of Innovation and New Technology*, pp. 637-655.

Karen R. Polenske. 2004. "Comment on 'World Poverty: Causes and Pathways' by Partha Dasgupta and 'Development Strategy: Transition and Challenges of Development in Lagging Regions' by Justin Yifu Lin and Mingxing Liu." In *Annual World Bank Conference on Development Economics, 2004*, edited by Francois Bourguignon and Boris Pleskovic. Washington, DC: The World Bank, pp. 230-238.

Karen R. Polenske. 2004. "Competition, Collaboration, and Cooperation: an Uneasy Triangle in Networks of Firms and Regions." *Regional Studies, Special Issue on Regional Competitiveness*. 38 (9) (December): 1029-1045.

Karen R. Polenske and Nicolas O. Rockler. 2004. *Closing the Competitive Gap: An Analysis of the ATP 2mm Project*. Prepared for the Economic Assessment Office, Advanced Technology Program, National Institute of Standards and Technology, NIST GCR 03-856.

- Karen R. Polenske. 2004. "Leontief's Magnificent Machine and Other Contributions to Applied Economics." In *Wassily Leontief and Input-Output Economics*, edited by Erik Dietzenbacher and Michael L. Lahr. Cambridge, England: Cambridge University Press, Ch. 2, pp. 9-26.
- Yu Li and Karen R. Polenske. 2004. "Measuring Dispersal Economies." *Entrepreneurship, Spatial Industrial Clusters, and Inter-Firm Networks*. Trollhätten, Sweden: Universities of Trollhätten, / Uddevalla (Papers from June 12-14, 2003 Symposium): 615-633.
- Karen R. Polenske and Geoffrey JD Hewings. 2004. "Trade and Spatial Economic Interdependence." *Papers in Regional Science*. 83 (1): 269-289.
- Karen R. Polenske [reported by Nancy Stouffer]. 2003. "Cleaning Up China's Cokemaking Sector: Unexpected Research Findings." *MIT Laboratory for Energy and Environment (LFEE) E-Lab Research Reports (April-June)*: 5-9.
- Karen R. Polenske. 2003. "Environmental Impacts of Energy-Efficient Technologies: Potential for Input-Output and Supply-Chain Analyses in Iran," *Quarterly Iranian Economic Research, Special Issue on the Second Input-Output Conference*, 14: 1-26.
- Steven Kraines, Takeyoshi Akatsuka, Larry Crissman, Karen R. Polenske, and Hiroshi Komiyama. 2003. "Modeling Pollution and Cost in the Transportation Sector of the Cokemaking Industry in Shanxi Province, China." *Journal of Industrial Ecology*, 6 (3-4): 161-184.
- Karen R. Polenske. 2003. "Clustering in Space Versus Dispersing Over Space: Agglomeration Versus Dispersal Economies," *Innovation, Entrepreneurship, Regional Development, and Public Policy in the Emerging Digital Economy*. Trollhätten, Sweden: Universities of Trollhätten/Uddevalla (Papers from Symposium 2002), June 6-8: 393-411.
- William P. Alford, Robert P. Weller Leslyn Hall, Karen R. Polenske, Yuanyuan Shen, and David Zweig. 2002. "The Human Dimensions of Environmental Policy Implementation: Air Quality in Rural China." *Journal of Contemporary China*, II (32): 495-513.
- Karen R. Polenske and Francis C. McMichael. 2002. "A Chinese Cokemaking Process-Flow Model for Energy and Environmental Analyses." *Energy Policy*, Vol. 30, No. 10, pp. 865-883. Presented under the title "How to Grow the Chinese Cokemaking Sector Cleanly" at the 13th International Input-Output Conference, Macerata, Italy, August 21, 2000, the Coke Conference 2000, Chicago, IL, October 11-13, 2000, and the North American Regional Science Association meetings, Chicago, IL, November 10-11, 2000.
- Karen R. Polenske. 2001. "Taking Advantage of a Region's Competitive Assets: An Asset-Based Regional Economic-Development Strategy" In *Entrepreneurship, Firm Growth, and Regional Development in the New Economic Geography*. Trollhätten, Sweden: Uddevalla Symposium 2000: 527-544.
- Karen R. Polenske. 2001. "Competitive Advantage of Regional Internal and External Supply Chains." In *Essays in Honor of Benjamin H. Stevens*, edited by Michael Lahr and Ronald E. Miller, Amsterdam, The Netherlands: Elsevier Publishers, pp. 259-284.
- Karen R. Polenske and He Shiqiang. 2001. "Interregional Trade, the Heckscher-Ohlin-Vanek Theorem, and Leontief's Paradox." In *Input-Output Analysis: Frontiers and Extensions, Essays*

in Honor of Ronald E. Miller, edited by Erik Dietzenbacher and Michael Lahr. New York: Macmillan: 161-186.

- Karen R. Polenske. 2001. "Comparative Analyses of Carbon-Intensity Differences in Coal Consumption." In *Framing the Pacific in the 21st Century: Coexistence and Friction*, edited by Daizaburo Yui and Yasuo Endo. Tokyo, Japan: Center for Pacific and American Studies, The University of Tokyo: 284-296.
- Karen R. Polenske. 1999. "Wassily W. Leontief 1905-1999." *Economic Systems Research*, 11 (4): 341-348.
- Osmo Forssell and Karen R. Polenske, eds. 1998. "Special Issue: Input-Output and the Environment." *Economic Systems Research*, 10 (2) (June): 91-98.
- Xiannuan (James) Lin and Karen R. Polenske. 1998. "Energy-Use and Air-Pollution Impacts of China's Transportation Growth." In *Energizing China: Reconciling Environmental Protection and Economic Growth*, edited by Michael B. McElroy, Chris P. Nielsen, and Peter Lydon. Cambridge, MA: Harvard University Press, Harvard University Committee on Environment, pp. 201-238.
- Xiannuan Lin and Karen R. Polenske. 1998. "Input-Output Modeling of Production Processes for Business Management." *Structural Change and Economic Dynamics*, 9: 205-226.
- Karen R. Polenske. 1997. "Current Uses of the RAS Technique: A Critical Review." In *Prices, Growth, and Cycles*, edited by András Simonovits and Albert E. Steenge. London: The Macmillan Press Ltd., pp. 58-88.
- Karen R. Polenske. 1997. "Linked System of Enterprise, Regional, and National Input-Output Accounts for Policy Analysis." In *Perspectives for the Future of Regional Science*, edited by Manas Chatterji. London: The Macmillan Press Ltd, pp. 17-42.
- Alvaro E. Pereira and Karen R. Polenske. 1996. "Transportation Policy Implications of the 1990 Clean Air Act." In *New Urban Strategies in Advanced Regional Economies*, edited by R.D. Norton. Greenwich, CT: JAI Press, Inc., pp. 111-138.
- Xiannuan Lin and Karen R. Polenske. 1995. "Input-Output Anatomy of China's Energy-Use Changes in the 1980s." *Economic Systems Research*, 7 (1): 67-84.
- Karen R. Polenske. 1995. "Leontief's Spatial Economic Analyses." *Structural Change and Economic Dynamics*, 6 (3): 309-318.
- Bennett Harrison, Amy K. Glasmeier, and Karen R. Polenske. 1995. "National, Regional, and Local Economic Development: New Thinking About Old Ideas." *Economic Development Administration*, U.S. Department of Commerce, December 5.
- Xiannuan Lin, Karen R. Polenske, and Kelly Robinson. 1994. "Economic-Impact Analyses in U.S., State, and Local Air-Pollution Control Agencies: A Survey." *Journal of the Air & Waste Management Association*, 44 (February): 134-140.

- Karen R. Polenske. 1993. "APRAM: Accounting Price Ratio Analysis." 1993. In *Spreadsheet Models for Urban and Regional Analysis*, edited by Richard E. Klosterman, Richard K. Brail, and Earl G. Brossard. New Brunswick, NJ: Center for Urban Policy Research, pp. 229-248. (Jointly with Jun Han and Yu Hung Hong.)
- Karen R. Polenske and Stephen F. Fournier. 1993. "INTRO-IO: Introduction to Input-Output Accounting and Modeling." In *Spreadsheet Models for Urban and Regional Analysis*, edited by Richard E. Klosterman and Richard K. Brail. New Brunswick, NJ: Center for Urban Policy Research, pp. 205-227.
- Karen R. Polenske and Nicolas O. Rockler. 1993. "The Relationship Between Infrastructure and Productivity." *Proceedings of the World Bank Annual Conference on Development Economics, 1993*. Washington, DC: The World Bank, pp. 476-480.
- Karen R. Polenske and Xiannuan Lin. 1993. "Conserving Energy to Reduce Carbon-Dioxide Emissions in China." *Structural Change and Economic Dynamics*, Vol 4, No. 2, pp. 249-265.
- Karen R. Polenske. 1992. "Modeling Northeast Pacific Rim's Socioeconomic Development in a Changing Global Environment." *Far East-U.S. Symposium on Maritime Development of the Northeast Asian Pacific Rim*. Seoul, Korea: Korea Maritime Institute, August, pp. 1-16.
- Karen R. Polenske. 1991. "Chinese Input-Output Research in Western Perspective." Presented at the Eighth International Conference on Input-Output Techniques, Sapporo, Japan, July 28-August 2, 1986. Published as Chapters 1 and 19 in *Chinese Economic Planning and Input-Output Analysis*, edited by Karen R. Polenske and Chen Xikang. Hong Kong: Oxford University Press, pp. 1-23, 318-325.
- Karen R. Polenske. 1991. "Interactions Among Energy, Environmental, and Transportation Policies in China." *Proceedings--Energy and the Environment in the 21st Century*. Cambridge, MA: MIT Press, pp. 235-241.
- Nobuko Ichikawa, Michael A. Cusumano, and Karen R. Polenske. 1991. "Japanese Investment and Influence in Thai Development." *Technology in Society*, Vol. 13, pp. 447-469.
- Karen R. Polenske and Petros Sivitanides. 1990. "Linkages in the Building Materials and Construction Sectors." *The Annals of Regional Science*, Vol. 24, No. 2, pp. 147-161.
- Karen R. Polenske. 1989. "System of Input-Output Accounts for Corporate Planning." In *Problems of Compilation of Input-Output Tables*, edited by Alfred Franz and Norbert Rainer. Vienna, Austria: Verlag Orac, pp. 375-388.
- Karen R. Polenske. 1989. "Historical and New International Perspectives on Input-Output Accounts." Ch. 5. In *Frontiers of Input-Output Analysis*, edited by Ronald E. Miller, Karen R. Polenske, and Adam Z. Rose. New York, NY: Oxford University Press, pp. 37-50.
- Karen R. Polenske and Peter G. Jordan. 1988. "A Multiplier Impact Study of Fishing Activities in New England and Nova Scotia." Prepared for Resources for the Future, Renewable Resources Division, Washington, DC, Discussion Paper No. RR86-02, January 1986; in *Input-Output Analysis: Current Developments*, edited by Maurizio Ciaschini. London, England: Chapman and Hall, pp. 325-366.

- Karen R. Polenske and Rena M. Mourouzi-Sivitanidou. 1988. "Assessing Regional Economic Impacts with Microcomputers." *Journal of the American Planning Association*, 1988 (Winter), pp. 101-106.
- Karen R. Polenske. 1988. "Growth-Pole Theory and Strategy Reconsidered: Domination, Linkages, and Distribution." In *Competing Approaches to Regional Economic Development: Essays in Honour of François Perroux*, edited by Benjamin Higgins and Donald J. Savoie. Boston, MA: Unwin Hyman, pp. 91-111.
- Karen R. Polenske, Malte Möhr and William H. Crown. 1987. "A Linear-Programming Approach to Solving Infeasible RAS Problems." *Journal of Regional Science*, Vol. 27, No. 4 (November), pp. 587-603.
- Karen R. Polenske and Dora P. Currea. 1985. "Planning for Public Infrastructure Investment." In *Economic Faces of the Building Sector*, edited by Folke Snickars, Börje Johansson, and T.R. Lakshmanan. Stockholm, Sweden: Swedish Council for Building Research, pp. 55-72.
- Karen R. Polenske. 1985. "Multiregional Accounts and Models in the United States." *Les Cahiers de L'economie Meridionale*, No. 7, May, pp. 212-225.
- Karen R. Polenske. 1982. "Constructing and Implementing Multiregional Models for the Study of Distributional Impacts." In *International Use of Input-Output-Analysis*, edited by Reiner Stäglin (Göttingen, Federal Republic of Germany: Vandenhoeck & Ruprecht), pp. 131-174
- Karen R. Polenske. 1981. "Regional Methods of Analysis for Stagnating Regions." In *Lectures on Regional Stagnation*, edited by Walter Buhr and Peter Friedrich (Schriften zur öffentlichen Verwaltung und öffentlichen Wirtschaft, Bd. 44) (Baden-Baden, Germany: NOMOS Publishing Company), pp. 111-141.
- Karen R. Polenske and Denise DiPasquale. 1980. "Output, Income, and Employment Input-Output Multipliers." In *Impact Analysis: Methodology and Applications*, edited by Saul Pleeter (Leiden, The Netherlands: Martinus Nijhoff), pp. 85-113.
- Karen R. Polenske. 1979. "Energy Analyses and the Determination of Multiregional Prices." *Papers of the Regional Science Association*, Vol. 43, pp. 83-97.
- Karen R. Polenske. 1973. "An Analysis of the United States Commodity Freight Shipments." *Planning Over Time and Space*, edited by George G. Judge and Takashi Takayama, Amsterdam: North-Holland Publishing Company, pp. 163-179.
- Karen R. Polenske. 1972. "The Implementation of a Multiregional Input-Output Model for the United States." *Input-Output Techniques*, edited by A. Bródy and A.P. Carter, Amsterdam: North-Holland Publishing Company, pp. 171-189.
- Karen R. Polenske. 1970. "An Empirical Test of Interregional Input-Output Models: Estimation of 1963 Japanese Production." *American Economic Review*, Vol. 60, No. 2, May, pp. 76-82.
- Karen R. Polenske. 1969. "Empirical Implementation of a Multiregional Input-Output Gravity Trade Model." In *Contributions to Input-Output Analysis*, edited by A.P. Carter and A. Bródy, Vol. I, Amsterdam: North-Holland Publishing Company, pp. 143-163.

Wassily Leontief, Allison Morgan, Karen R. Polenske, David Simpson, and Edward Tower. 1965. "The Economic Impact--Industrial and Regional--of an Arms Cut." *Review of Economics and Statistics*, Vol. 47, No. 3, August, pp. 217-241. (Jointly with Wassily Leontief and others.)

Book Reviews

Karen R. Polenske. 2002. *Regional Inequality and Structural Changes: Lessons from the Brazilian Experience by Eduarado Haddad*. *Journal of Regional Science*.

Karen R. Polenske. 2002. *Second-Tier Cities: Rapid Growth Beyond the Metropolis*, by Ann R. Markusen, Yong-Sook Lee, and Sean DiGiovanna, eds. *Journal of the American Planning Association*.

Karen R. Polenske. 1989. *Natural Resource Policy and Income Distribution*, by Adam Rose, Brandt Stevens, and Gregg Davis. *Journal of Economic Literature*, Vol. 29, No. 2, June, pp. 649-650.

Karen R. Polenske. 1982. *Modeling the Multiregional Economic System*, edited by F. Gerard Adams and Norman J. Glickman. *Journal of Regional Science*, Vol. 22, No. 4, November, pp. 555-559.

Karen R. Polenske. 1974. *Input-Output and Regional Economics*, by Harry W. Richardson. *Journal of Economic Literature*, Vol. XII, No. 2, June, pp. 544-546.

More than 150 reports to various domestic and international agencies on multiregional methods of analysis, and energy, environmental, and infrastructure research.