

CURRICULUM VITAE

NAME Geoffrey John Dennis Hewings
CURRENT POSITION Professor and Director,
ADDRESS **Regional Economics Applications Laboratory**
 University of Illinois at Urbana-Champaign,
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EDUCATION B.A.(Honors) University of Birmingham, England 1965
 M.A. University of Washington, Seattle 1967
 Ph.D. University of Washington, Seattle 1969
Docteur Honoris Causa University of Bourgogne, France 2003

M.A. Thesis: "Persistence of Precipitation and No Precipitation Described by a Markov Chain Probability Model: Case Studies from Selected Stations in Washington State"

Ph.D. Dissertation: "Regional Interindustry Models Derived from National Data: The Structure of the West Midlands Economy"

PRIMARY POSITIONS HELD

2010 Interim Head, Department of Economics, Professor, Institute of Government and Public Affairs, Departments of Geography, Economics, Urban and Regional Planning, and Agricultural and Consumer Economics
 Principal Affiliate Scientist, Illinois State Water Survey

2008 Professor, Institute of Government and Public Affairs, Departments of Geography, Economics, Urban and Regional Planning, and Agricultural and Consumer Economics
 Principal Affiliate Scientist, Illinois State Water Survey.

2005 Professor, Departments of Geography, Economics, Urban and Regional Planning, and Institute of Government and Public Affairs
 Principal Affiliate Scientist, Illinois State Water Survey.

1999- Professor, Departments of Geography, Economics and Urban and Regional Planning
 Principal Affiliate Scientist, Illinois State Water Survey.

1996- Professor, Departments of Geography, Economics and Urban and Regional Planning

1989- Director, Regional Economics Applications Laboratory [*Joint venture between the Federal Reserve Bank of Chicago and the University of Illinois, 1989-2004*]

1983-1990 Head of Geography Department, University of Illinois, Urbana, Illinois.

1983- Professor, Departments of Geography and Urban and Regional Planning.

1982-1983 Associate Professor, Departments of Geography and Urban and Regional Planning, University of Illinois, Urbana, Illinois.

1982 (Jan-Jun) Acting Head, Department of Geography, University of Illinois, Urbana, Illinois.

1974-82 Associate Professor, Department of Geography, University of Illinois, Urbana, Illinois.

1971-1974 Assistant Professor, Division of Social Sciences, Scarborough College and Department of Geography, St. George Campus, University of Toronto, Ontario

1970-1971 Senior Research Associate, Center for Research in the Social Sciences and Seminar Instructor, Economics, University of Kent, Canterbury, England

1969 Instructor (fall), Olympic College, Bremerton, Washington

- 1968-69** Woodrow Wilson Dissertation Fellow, Department of Geography, University of Washington, Seattle
- 1965-68** Teaching Assistant/Pre-Doctoral Associate, Department of Geography, University of Washington, Seattle

SHORT-TERM POSITIONS HELD

- 1998** Visiting Professor, IDEAR, Universidad Catolica del Norte, Antofagasta, Chile
1997 Consultant (April), Bappenas/USAID, Jakarta, Indonesia
1996 Consultant (May-June, December), Bappenas/USAID, Jakarta, Indonesia
1995 Visiting Scholar (October), Faculty of Economics, Kagawa University, Takamatsu, Japan
1994 Guest Professor (May), Institute of Economics, Nankai University, Tianjin China
1989 [July], **1990** [July], **1991** [February and June] Visiting Scholar, Interuniversity Center in Economics, Universitas Indonesia, Jakarta
1987 Visiting Scholar (January) Department of Geography, Bar Ilan University, Ramat Gan, Israel
1985 Visiting Scholar (May-August) Department of Economics, University of Queensland, St. Lucia, Queensland, Australia.
1983 Visiting Scholar, (May-June) Korea Research Institute for Human Settlements, Seoul, Korea
1981 Visiting Scholar (May-August) Department of Economics, University of Queensland, St. Lucia, Queensland, Australia.
1968 Visiting Lecturer (Summer Session), Department of Geology and Geography, University of Massachusetts, Amherst

AWARDS

Fulbright Travel Grant, 1965

Woodrow Wilson Dissertation Fellowship, 1968-1969

Award for **Service to Regional Science**, 1995

Geoffrey J.D. Hewings Junior Scholar Award, Regional Science Association International, 1995-

(annually awarded to exceptional scholars less than 10 years from completion of his/her Ph.D; visit

<http://www.regionalscience.org/index.php/NARSC/>)

University Scholar, University of Illinois, 1996-1997

Best Paper Award (joint authorship with Eduardo Haddad), *II Encontro Regional de Economia*, Banco do Nordeste, Fortaleza, Brazil, 1998

2003 John Dickinson Memorial Award [Best Paper Award] *Australasian Journal of Regional Studies* Vol. 9

Walter Isard Award for distinguished scholarly achievements in the field of Regional Science, 2003

Fellow, Regional Science Association International (2003)

Award for Service to Regional Science, by Associação Brasileira de Estudos Regionais, 2004

Honorary Member, Japan Section, Regional Science Association International, 2008

Adjunct Professor, University of Indonesia, Jakarta, 2009-

Fellow, International Input-Output Association, 2010

Fellow, Western Regional Science Association, 2010

RESEARCH EXPERIENCE

Consultant, National Park Economic Impact Study, University of Washington, 1969

Consultant, *Research in the Application of Input-Output Interregional Analysis to State Planning and Program Activities: Subarea Economic Analysis*, University of Washington, 1969

Senior Research Associate, *South-East Kent Input-Output Study*, University of Kent, Canterbury, England 1970-71

- Co-Principal Investigator, *Development of a System for Projecting Sub-State Employment and Population for the State of Illinois*, 1975, University of Illinois (\$16,000)
- Co-Principal Investigator, *Macro-Economic Impact of Environmental Legislation*, 1975-1976, University of Illinois (\$26,000)
- Consultant, *Macro-Economic Impact of Environmental Legislation*, Illinois Institute of Environmental Quality, 1976-77
- Consultant, *Evaluation of the Rational Threshold Value System of the Economic Impact Forecast System*, U.S. Army Construction Engineering Research Laboratory, 1977
- Associate Investigator, *Ohio River Basin Energy Demand Study*, USEPA 1977-1978 (\$108,000)
- Consultant, *Measurement of Regional Development Indicators*, U.S. Army Corps of Engineers Waterways Experimental Station, 1978.
- Principal Investigator, *Evaluation of Methods for Generating Sub-State Input-Output Tables from State Input-Output Models*, Bureau of the Budget, State of Illinois, 1978 (\$2,500).
- Principal Investigator, *Space-Time Employment Modeling*, NSF, 1978-1980 (\$46,000).
- Consultant, *Organization of Regional Centers for the Provision of Energy Management and Conservation Assistance to Communities*, Argonne National Laboratory, 1978
- Consultant, *Development of a Model for Monitoring and Evaluation of Regional Development Projects*, Ministry of Coordination, Athens, Greece, 1979-1980
- Principal Investigator, *Preparation and Testing of Alternative Methods for Disaggregating County Data*, U.S. Army CERL, 1980 (\$13,000)
- Co-Principal Investigator, *Development of Regional and Interregional Accounting Systems for Project Selection, Monitoring and Evaluation in Developing Rural Economies*, US AID Title XII Strengthening Grant, 1980-1981 (\$20,000)
- Principal Investigator, *Holistic and Partitive Accuracy in Regional Input-Output Analysis*, NSF, 1982-84 (\$76,000)
- Principal Investigator, *Feasibility Analysis for Incorporation of Sector Specific Input-Output Type Multipliers in EIFS*, U.S. Army CERL, 1982 (\$9,600)
- Principal Investigator, *Sensitivity Analysis in Regional Interindustry Modeling*, NSF 1984-86 (\$56,000)
- Principal Investigator, *Incorporation of Migration Impacts into EIFS* U.S. Army CERL, 1985 (\$9,800)
- Co-Principal Investigator, *Assessing the Impacts of Increased Agricultural Value-Added on the Illinois Economy: an Input-Output Model Application*, College of Agriculture, University of Illinois, 1987-88 (\$37,500)
- Co-Principal Investigator, *Economic and Physical Impacts from Extreme Fluctuations in Lake Michigan Levels along the Illinois Shoreline*, US EPA, 1987-88 (\$36,000)
- Principal Investigator, *Development of a Chicago Input-Output-Econometric Forecasting Model*, Federal reserve Bank of Chicago, 1988-89 (\$50,000)
- Principal Investigator, *New Directions in Input-Output Modeling*, NSF 1988-1991 (\$114,000)
- Co-Principal Investigator, *Development of an Integrated Forecasting Model of the Chicago Economy*, Chicago Economic Development Commission, 1989-90 (\$45,000)

- Principal Investigator, *Development of a Prototype Computable General Equilibrium Model to Estimate the Impacts of the US-Canada Free Trade Agreement on the Midwest and Northeast Economies*, Economic Development Administration, US Department of Commerce, 1989-1991 (\$117,000)
- Principal Investigator, *Development of an Integrated Forecasting Model for the State of Iowa*, Legislative Fiscal Bureau, State of Iowa, 1990-1991 (\$100,000)
- Principal Investigator, *Scenario Development and Occupational Forecasts for the Chicago Economy*, Chicago Economic Development Commission, 1990-1991 (\$35,000)
- Principal Investigator, *Comparison of Alternative Regional Economic Impact Models*, Construction Engineering Research Laboratory, 1992-1993 (\$90,000)
- Principal Investigator, *Extensions to the Interregional CGE Model of Canada-US Free Trade*, Canadian Embassy, 1992-1993 (\$10,000)
- Principal Investigator, *Development of Econometric-Input-Output Models for Wisconsin and Illinois*, Ameritech Foundation (through the Institute of Government and Public Affairs), 1992-93, (\$50,000)
- Principal Investigator, *Evaluation of the Economic Impact Forecasting System and Development of New Programs and Methodology: Part II: Demographic and Demo-Economic Concerns* US CERL, 1993-94, (\$83,000)
- Principal Investigator, *Development of a Midwest Model, Phase I*, Ameritech Foundation, 1994 (\$100,000)
- Principal Investigator, *Development of Occupational Forecasting System*, City Colleges of Chicago, 1994-1996 (\$101,000)
- Principal Investigator, *Development of a Regional Econometric Input-Output Model for Minas Gerais, Brasil*, Fundação João Pinheiro, Belo Horizonte, 1994-95 (\$65,000)
- Principal Investigator, *Development of a Regional Econometric Input-Output Model for São Paulo, Brasil*, FIPE, São Paulo, 1994 (\$65,000)
- Principal Investigator, *Impact of the Proposed Central Circulator on the Chicago Region*, City of Chicago, 1994 (\$5,000)
- Principal Investigator, *Development of a Regional Econometric Input-Output Model for Ceará, Brasil*, IMPLANC, Fortaleza, Ceará, 1995-96 (\$65,000)
- Principal Investigator, *Impact of a Proposed Chicago-St. Louis High Speed Rail Line*, Illinois Department of Transportation, 1995-1996 (\$41,000)
- Principal Investigator, *Economic Impact of the DuPage Airport on the Regional Economy*, Du Page Airport Authority, 1995-1996 (\$35,000)
- Principal Investigator, *Development of a Regional Econometric-Input-Output Model for Jakarta, Indonesia*, LPEM/Jakarta Metropolitan Government, 1995-96 (\$65,000)
- Principal Investigator, *Development of a Regional Econometric-Input-Output Model for Indiana*, School of Business, Indiana University, 1995-96 (\$25,000)
- Principal Investigator, *Development of a Regional Econometric-Input-Output Model for St. Louis, Missouri*, Policy Centers, University of Missouri-St. Louis, 1995-96 (\$25,000)
- Principal Investigator, *Economic Impact of the Claude Monet Exhibition on the Chicago Region*, Art Institute of Chicago, 1995 (\$2,000)

Principal Investigator, *Economic Impact of the Democratic National Convention on the Chicago Region*, City of Chicago, 1995 (\$5,000).

Principal Investigator, *Economic Impacts of (1) The Chicago Region Airport System (2) The Illinois Airport System on the State's Economy*, Illinois Department of Transportation, 1996 (\$30,000)

Principal Investigator, *Impact Evaluation System for Tourism in Illinois*, Illinois Bureau of Tourism Research, 1996 (\$35,000)

Principal Investigator, *Development and Testing of an Interregional Model for the Midwest US*, Bureau of Transportation Statistics, US Department of Transportation, 1996-1997 (\$93,000)

Principal Investigator, *Economic and Fiscal Impact of River Boat Gambling in Illinois, 1991-1995, Phase I* 1996 (\$10,000)

Principal Investigator, *Economic Impact of the Chicago Marathon, 1995, 1996*, LaSalle National Bank (\$20,000)

Principal Investigator, *Economic Impact of Long Distance Carriers on the Midwest*, Summit Group, 1996 (\$15,000)

Principal Investigator, *Economic and Fiscal Impact of River Boat Gambling in Illinois, 1991-1995, Phase II* 1997 (\$16,600)

Principal Investigator, *Creating and Expanding Trade Partnerships in the Chicago Region*, MacArthur Foundation through Chicago United, 1997-1998 (\$51,000)

Principal Investigator, *Development of a Regional Model for Styria, Austria, 1997-1998*, Joanneum Research, Graz, Austria (\$35,000)

Principal Investigator, *Economic Impact of the Chicago Marathon, 1997*, LaSalle National Bank (\$10,000)

Principal Investigator, *Development of a Regional Model for Caribbean Region of Colombia, 1997-1999*, Fundesarollo, Barranquilla, Colombia (\$75,000)

Co-Principal Investigator, *Potential Economic Impacts of the New Madrid Earthquake, 1998*, NSF/University of Illinois Midwest Earthquake Center (\$70,000)

Principal Investigator, *Economic Evaluation of the Impact of Air Service on Small Metropolitan and Rural Communities, 1998-1999*, Department of Aviation Analysis, US Department of Transportation (\$156,000)

Principal Investigator, *Cooperative Research on the Structure of Regional Economies in Japan and the USA, Phase I*, Central Research Institute for Electric Power Generation, Tokyo, Japan, 1998-1999 (\$35,000)

Principal Investigator, *Economic Impacts of The Illinois Airport System on the State's Economy, 1998* Illinois Department of Transportation, 1999 (\$26,000)

Principal Investigator, *Development of a Midwest Impact and Forecasting Model, 1999-2000*, National Institute of Statistical Sciences, (\$25,000)

Principal Investigator, *Creating and Expanding Trade Partnerships in the Chicago Region, Phase II* MacArthur Foundation through Chicago United, 1999-2000 (\$55,000)

Co-Principal Investigator, *Potential Economic Impacts of the New Madrid Earthquake, Phase II* 1999-2001, NSF/University of Illinois Midwest Earthquake Center (\$70,000)

Principal Investigator, *Cooperative Research on the Structure of Regional Economies in Japan and the USA, Phase II*, Central Research Institute for Electric Power Generation, Tokyo, Japan, 1999-2000 (\$35,000)

Principal Investigator, *Economic Impacts of Railroad Infrastructure Improvements: Phase I: General Analysis*,

Elizabeth Morse Chaitable Trust/Union League Club of Chicago 2000 (\$20,000)

Principal Investigator, *Analysis of Lifeline Damages and Economic Impacts of an Earthquake*, NSF-US-Japan Common Agenda program, 2001-2003 (\$260,000)

Principal Investigator, *Trajectories for the NE Economy under Resource Constraints*, Banco do Nordeste, Fortaleza, Ceará, Brazil, 2001-2002 (\$120,000)

Principal Investigator [in collaboration with City of Chicago, USDA-Forest Service and Chicago Academy of Sciences], *Development of a Decision-Making Tool for Assessing Alternative Strategies for the Calumet Region*, NSF/EPA, 2001-2003 (\$275,000)

Principal Investigator, *Provision of Forecasts for the Chicago Region*, Chicago Metropolis 2020, 2001-2002 (\$62,000)

Co-Principal Investigator, *Sensitivity Analysis for Earthquake Economic Modeling*, NSF/MidAmerica Earthquake Center 2002-2004 (\$70,000/year for 3 years)

Principal Investigator, *Economic Impact of "Repowering the Midwest,"* Joyce Foundation, 2001-2002 (\$88,000)

Co-Principal Investigator, *Development of a Methodology for Determining Air Pollution Emissions Relative to Geophysical and Societal Changes*, USEPA 2004-2006 (\$750,000)

Associate Investigator, *Linking Development, Demographics and Technology Changes to Stationary and Mobile Source Emissions*, Sub-contract (USEPA via The University at Buffalo) 2006-2007 (\$136,000)

Principal Investigator, *Regional Economic Modeling in support of the CMAP 2010 Comprehensive Plan Development*, Chicago Metropolitan Agency for Planning, 2007-2008 (\$171,000)

Principal Investigator, *Linking Economic indicators with the Real Estate Market*, Illinois Association of Realtors, 2007-2010 (\$66,000/year)

Principal Investigator, *Demographic Challenges to Regional Development*, NSF, 2007-2010 (\$303,000)

Principal Investigator, *The Impact of the Ford Motor Company on Illinois*, Illinois Manufacturers' Association, 2008 (\$41,000)

Principal Investigator, *The Impacts of Alternative Coal Transformations on the Illinois Economy*, Illinois Chamber of Commerce, 2009 (\$45,000)

Co-Principal Investigator, *Impacts of Energy Efficiency and Renewable Energy on the Midwest*, Energy Foundation (subcontract), 2009 (\$60,000)

PUBLICATIONS

(1) Monographs

Geoffrey J.D. Hewings (1977) *Regional Industrial Analysis and Development*, Methuen, London, St. Martin's Press, N.Y.

John Rees, Geoffrey J.D. Hewings and Howard A. Stafford (eds.) (1981) *Industrial Location and Regional Systems*, Bergin, New York and London, Croom Helm.

Geoffrey J.D. Hewings: (1985, 1988) *Regional Input-Output Analysis*, Beverley Hills.

I. Orishimo, Geoffrey J.D. Hewings and P. Nijkamp (eds.) (1988) *Information Technology and Urban-Environmental Systems*, Heidelberg, Springer-Verlag.)

- John J. Ll. Dewhurst, Geoffrey J.D. Hewings and Rodney C. Jensen (eds.) (1991) *Regional Input-Output Modelling: New Developments and Interpretations*, Avebury.
- Geoffrey J.D. Hewings and Moss Madden (eds.) *Social and Demographic Accounting* (1995) [Collection of original articles in honor of the 1984 Nobel Laureate in Economics] Cambridge, Cambridge University Press.
- Geoffrey J.D. Hewings, Michael Sonis, Moss Madden and Yoshio Kimura (eds) (1999) *Understanding and Interpreting Economic Structure*, Advances in Spatial Sciences, Springer-Verlag, Heidelberg, Germany.
- Joaquim J.M. Guilhoto and Geoffrey J.D. Hewings (eds.) (2001) *Structure and Structural Change in the Brazilian Economy*, London, Ashgate.
- Geoffrey J.D. Hewings, Michael Sonis and David E. Boyce (eds.) (2002) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Springer-Verlag, Heidelberg, Germany.
- Patricio Aroca and Geoffrey J.D. Hewings (eds) (2006) *Structure and Structural Change in the Chilean Economy* Palgrave-Macmillan.
- Werner Baer and Geoffrey J.D. Hewings (eds.) (2006) *Latin American Business: Equity Distortion in Regional Resource Allocation in Brazil*, New York, Haworth Press.
- Russel J. Cooper, Kieran P. Donaghy and Geoffrey J.D. Hewings. (eds.) (2007) *Globalization and Regional Economic Modeling*, Heidelberg, Springer-Verlag.
- Michael Sonis and Geoffrey J.D. Hewings (eds.) (2009) *Tool Kits in Regional Science*, Heidelberg, Springer-Verlag.
- Hadi Esfahani, Giovanni Facchini and Geoffrey J.D. Hewings (eds.) (2010) *Economic Development in Latin America*, Palgrave-Macmillan.

(2) Chapters in Books

- Geoffrey J.D. Hewings and Brendan O'hUallachain (1983) "The Role of Industrial Factors in the Development of Regional Systems," in F.E.I. Hamilton and G.R. Linge (eds) *Spatial Analysis, Industry and Industrial Environment*, Volume 3 Wiley, pp. 41-57.
- Geoffrey J.D. Hewings and Peter Dicken (1982) "The Changing Organisational Structure of Regional Economies and the Role of Transnational Corporations: Some Research Issues in B. T. Robson and J. Rees (eds.) *Geographical Agenda for a Changing World* SSRC, London, pp. 57-77.
- Geoffrey J.D. Hewings (1983) "Regional and Interregional Accounting Systems for Development Planning under Conditions of Limited Information" in P. Nijkamp and L. Chatterji (eds.) *Urban and Regional Policy Analysis in Developing Countries* Croom Helm, London, pp.181-202.
- Geoffrey J.D. Hewings and Yong-Jae Lee (1983) "National-Regional Accounting Systems for Regional Development for Regional Development in Developing Countries" in G-C. Lim (ed.). *Urban Planning and Spatial Strategies in Rapidly Changing Societies*, Princeton: Woodrow Wilson School, pp. 187-206.
- Geoffrey J.D. Hewings (1984) "Limited information in spatial analysis and development planning" in G. Bahrenberg, M. Fischer and P. Nijkamp (eds.), *Theory and Measurement in Spatial Data Analysis*, Gower, London, pp. 145-162.
- Geoffrey J.D. Hewings (1986) "Problems of Integration in the Modelling of Regional Systems" in P. Batey and M. Madden (eds.) *Integrated Analysis of Regional Systems* London, Pion.

- Geoffrey J.D. Hewings and R.C. Jensen (1986) "Regional and Interregional Input-Output Models" in E.S. Mills and P. Nijkamp (eds.) *Handbook in Urban and Regional Economics* Amsterdam, North Holland, pp. 295-355
- Geoffrey J.D. Hewings (1986) "Transportation and Energy" in S. Hanson (ed.) *Urban Transportation* Guildford Press, New York, pp. 280-300
- Geoffrey J.D. Hewings (1988) "Industrial Complex Analysis" in J. Clapp and S. Messner (eds) *Real Estate Market Analysis* New York, Praeger, pp. 17-46
- Geoffrey J.D. Hewings, R.C. Jensen and M. Sonis (1988) "Fields of influence of technological change in input-output models," in I. Orishimo, P. Nijkamp and G.J.D. Hewings (eds) *Information Technology and Urban-Environmental Systems* Springer-Verlag, New York & Berlin, pp. 163-194
- M. Sonis and Geoffrey J.D. Hewings, (1988) "Superposition and decomposition principles in hierarchical social accounting and input-output analysis," in F. Harrigan and P. McGregor (eds.) *Recent Advances in Regional Economic Modelling* London, Pion, pp. 46-65
- M. Sonis and Geoffrey J.D. Hewings (1989) "Error and sensitivity input-output analysis: a new approach," in R.E. Miller, K.R. Polenske, A. Rose (eds.) *Frontiers of Input-Output Analysis* New York, Oxford, pp.
- M. Sonis and Geoffrey J.D. Hewings (1990) "The 'Matrioshka Principle' in the hierarchical decomposition of multiregional social accounting systems," in L. Anselin and M. Madden (eds.) *New Directions in Regional Analysis: Integrated and Multiregional Approaches* London, Pinter, pp.
- A.J. Reynolds and Geoffrey J.D. Hewings, (1990) "Airline network structure and regional economic development: US case studies," in K. Peschel (ed) *Infrastructure and the Space Economy* Berlin: Springer-Verlag.
- Geoffrey J.D. Hewings, (1991) "Introduction," in John J. Ll. Dewhurst, Geoffrey J.D. Hewings and Rodney C. Jensen eds: *Regional Input-Output Modelling: New Developments and Interpretations* (Aldershot, Avebury.
- Rodney C. Jensen, John H. Ll. Dewhurst, Guy R. West and Geoffrey J.D. Hewings, (1991) "On the concept of fundamental economic structure," in John J. Ll. Dewhurst, Geoffrey J.D. Hewings and Rodney C. Jensen eds: *Regional Input-Output Modelling: New Developments and Interpretations* Aldershot, Avebury.
- Michael Sonis and Geoffrey J.D. Hewings, (1991) "Fields of influence and extended input-output analysis: a theoretical account," in John J. Ll. Dewhurst, Geoffrey J.D. Hewings and Rodney C. Jensen eds: *Regional Input-Output Modelling: New Developments and Interpretations* Aldershot, Avebury.
- Michael Sonis, Geoffrey J.D. Hewings and Rodney C. Jensen, (1991) "Structure of Regional Economic Activities: Input-Output Analysis Perspectives," in Frank Dietz, Willem Heijman and Daniel Shefer (Eds.) *Location and Labor Considerations for Regional Development* Aldershot, Avebury.
- Edison Hulu, Geoffrey J.D. Hewings and Iwan Jaya Azis, (1992) "Spatial implications of the export promotion strategy in Indonesia," in T. John. Kim. Gerrit Knaap, Iwan J. Azis (Eds.) *Spatial Development in Indonesia: Review and Prospect*, Aldershot, Avebury.
- T. John Kim, and Geoffrey J.D. Hewings, (1993) "Centralization forces of socio-economic activities and decentralization policies in Korea," in P. Nijkamp, H. Kohno (Eds.) *Potentials and Bottlenecks of Spatial Economic Development*,
- Geoffrey J.D. Hewings, Michael Sonis, Jong Kun Lee and Sarwar Jahan, (1995) "Alternative decompositions of interregional social accounting matrices: applications with reference to Bangladesh," in M. Madden and Geoffrey J.D. Hewings (eds.) *Social and Demographic Accounting* Cambridge, Cambridge University Press.
- Bettina H. Aten and Geoffrey J.D. Hewings, (1995) "Transportation and energy," in Susan Hanson (ed.) *The Geography of Urban Transportation* (2nd. edition) Guildford Press.

- Ricardo Gazel, Geoffrey J.D. Hewings and Michael Sonis, (1996) "Trade, sensitivity and feedbacks: interregional impacts of the US-Canada Free Trade Agreement," in J.C.J.M. van den Bergh, P. Nijkamp and P. Rietveld (eds) *Recent Advances in Spatial Equilibrium Modeling* Heidelberg, Springer-Verlag.
- Geoffrey J.D. Hewings and Ramamohan Mahidhara, (1996) "Economic impacts: lost income, ripple effects and recovery," in S. Changnon (ed.) *The Great Flood of 1993*, Boulder, CO., Westview Press, 1996.
- Michael Sonis, Jiemin Guo and Geoffrey J.D. Hewings, (1997) "Comparative analysis of China's metropolitan economies: an input-output perspective" in M. Chatterji and Y. Kaizhong (eds) *Regional Science in Developing Economies* New York, Macmillan.
- Geoffrey J.D. Hewings, Philip R. Israilevich, Michael Sonis and Graham R. Schindler, (1997) "Structural change in a metropolitan economy: the Chicago region, 1975-2010," in S. Bertuglia, S. Lombardo and P. Nijkamp (eds) *Spatial Effects of Innovative Behaviour* Heidelberg, Springer-Verlag.
- Michael Sonis, Geoffrey J.D. Hewings and Eduardo Haddad, (2000) "The region versus the rest of the economy: the extraction method," in H. Kohno, J. Poot, P. Nijkamp (eds) *Regional Cohesion and Competition in the Process of Globalization* Cheltenham, Elgar.
- Geoffrey J.D. Hewings, Philip R. Israilevich, Graham R. Schindler and Michael Sonis, (1998) "Agglomeration, Clustering and Structural Change: Interpreting Changes in the Chicago Regional Economy," in M. Steiner and R. Cappellin (eds.) *From Agglomeration Economies to Innovative Clusters*. London, Pion. (electronic contribution)
- Michael Sonis and Geoffrey J.D. Hewings, (1999) "Miyazawa's contributions to understanding economic structure: interpretation, evaluation and extensions," in Geoffrey J.D. Hewings, Michael Sonis, Moss Madden and Yoshio Kimura (eds), *Understanding and Interpreting Economic Structure*, Advances in Spatial Sciences, Springer-Verlag, Heidelberg, Germany
- Yasuhide Okuyama, Geoffrey J.D. Hewings and Michael Sonis, (1999) "Economic Impacts of an Unscheduled, Disruptive Event: A Miyazawa Multiplier Analysis," in Geoffrey J.D. Hewings, Michael Sonis, Moss Madden and Yoshio Kimura (eds), *Understanding and Interpreting Economic Structure*, Advances in Spatial Sciences, Springer-Verlag, Heidelberg, Germany.
- Budy P. Resosudarmo, Luck Eko Wuryanto, Geoffrey J.D. Hewings, and Lindsay Saunders, (1999) "Decentralization and income distribution in the interregional Indonesian economy," in Geoffrey J.D. Hewings, Michael Sonis, Moss Madden and Yoshio Kimura (eds), *Understanding and Interpreting Economic Structure*, Advances in Spatial Sciences, Springer-Verlag, Heidelberg, Germany.
- Jiemin Guo, Michael Sonis and Geoffrey J.D. Hewings (1999) "Internal and external linkages of manufacturing and non-manufacturing industries: applications to Chinese metropolitan economies," in Geoffrey J.D. Hewings, Michael Sonis, Moss Madden and Yoshio Kimura (eds), *Understanding and Interpreting Economic Structure*, Advances in Spatial Sciences, Springer-Verlag, Heidelberg, Germany.
- Yasuhide Okuyama, Geoffrey J.D. Hewings, Tschangho J. Kim, David E. Boyce, Heejoo Ham, and Jungyul Sohn. (1999) "Economic Impacts of an Earthquake in the New Madrid Seismic Zone: A Multiregional Analysis," in William M. Elliott and Peter McDonough eds. *Optimizing Post-Earthquake Lifeline System Reliability*, Technical Council on Lifeline Earthquake Engineering, Monograph No.16: 592-601.
- Geoffrey J.D. Hewings. (1999) "Regiones económicas rezagadas: una perspectiva internacional." In Haroldo Calvo Stevenson and Adolfo Meisel Roca (eds.) *El Rezago de la Costa Caribe Colombiana* Cartagena, Colombia, Banco de la Republica.

- Michael Sonis and Geoffrey J.D. Hewings. (2000) "Regional Competition and Complementarity: Comparative Advantages/Disadvantages and Increasing/Diminishing Returns in Discrete Relative Spatial Dynamics." in P. Friedrich and P.W.J. Batey (eds.) *Contributions to Regional Competition* Heidelberg, Springer-Verlag.
- Geoffrey J.D. Hewings, Yasuhide Okuyama and Michael Sonis, (2001) "Creating and Expanding Trade Partnerships within the Chicago Metropolitan Area: Applications using a Miyazawa Accounting System." In G. Clarke and M. Madden (eds.) *Regional Science in Business* Heidelberg, Springer-Verlag.
- Michael Sonis, Geoffrey J.D. Hewings and Yasuhide Okuyama, (2000) "Vertical Specialization and Interregional Trade: Turbulence Analogy and Feedback Loops Analysis of the Midwest Economy." In H. Herrmann and J. Bröcker (eds) *Spatial Change and Interregional Flows in the Integrating Europe* Heidelberg, Physica-Verlag.
- Eduardo A. Haddad and Geoffrey J.D. Hewings. (2001) "Trade and Regional Development: International and Interregional Competitiveness in Brazil." In B. Johansson, Ch. Karlsson and R.R. Stough (eds.). *Theories of Endogenous Regional Growth*. Heidelberg, Springer-Verlag, pp.. 181-208.
- Eduardo A. Haddad and Geoffrey J.D. Hewings. (2001) "Transportation Costs and Regional Development: An Interregional CGE Analysis." In P. Friedrich and S. Jutila, eds. *Policies of Regional Competition*. Baden-Baden, Nomos Verlag, pp. 83-101
- André Magalhães, Michael Sonis and Geoffrey J.D. Hewings, (2001) "Regional competition and complementarity reflected in Relative Regional Dynamics and Growth of GSP: a Comparative Analysis of the Northeast of Brazil and the Midwest States of the U.S." In Joaquim J.M. Guilhoto and Geoffrey J.D. Hewings (eds.) *Structure and Structural Change in the Brazilian Economy*, London, Ashgate.
- Eduardo Haddad and Geoffrey J.D. Hewings, "Liberalización comercial y competitividad regional." (2001) In Tomás Mancha Navarro and Danele Sotelsek Salem (eds.) *Convergencia económica e integración: la experiencia en Europa y América Latina*. Editions Pirámide, Madrid. pp. 279-311
- Michael Sonis and Geoffrey J.D. Hewings, (2001) "Feedbacks in Input-Output Systems: Impacts, Loops and Hierarchies." In Michael Lahr and Eric Dietzenbacher (eds). *Input-Output Analysis: Frontiers and Extensions*, London, Palgrave.
- Michael Sonis and Geoffrey J.D. Hewings, (2001) "An Expanded Miyazawa Framework: Labour and Capital Income, Savings, Consumption and Investment Links." In D. Felsenstein, R. McQuaid, P. McCann and D. Shefer (eds) *Public Investment and Regional Economic Development*, Cheltenham, Elgar.
- Joaquim J.M. Guilhoto, Marta C. Marjotta-Maistro, and Geoffrey J.D. Hewings(2002) "Economic Landscapes: An Application to the Brazilian Economy and to the Sugar Cane Complex." In Geoffrey J.D. Hewings, Michael Sonis and David E. Boyce (eds.) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Heidelberg, Springer-Verlag.
- Yasuhide Okuyama, Geoffrey J.D. Hewings, Michael Sonis, and Philip Israilevich "Structural Changes in the Chicago Economy: A Field of Influence Analysis." (2002) In Geoffrey J.D. Hewings, Michael Sonis and David Boyce (eds.) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Heidelberg, Springer-Verlag.
- Michael Sonis, Geoffrey J.D. Hewings and Yasuhide Okuyama. (2002) "Vertical Specialization and Spatial Production Cycles in Interregional Trade: Feedback Loops Analysis of the Midwest Economy." In Geoffrey J.D. Hewings, Michael Sonis and David Boyce (eds.) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Heidelberg, Springer-Verlag.
- Yoshio Kimura, Michael Sonis and Geoffrey J.D. Hewings. (2002) "Miyazawa-Sraffa-Leontief Income Distribution Models." In Geoffrey J.D. Hewings, Michael Sonis and David Boyce (eds.) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Heidelberg, Springer-Verlag.

- Eduardo A. Haddad, Geoffrey J. D. Hewings and Matthew Peter “Input-output Systems in Regional and Interregional CGE Modeling.” (2002) In Geoffrey J.D. Hewings, Michael Sonis and David E. Boyce (eds.) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Heidelberg, Springer-Verlag.
- Oliver Fritz, Michael Sonis and Geoffrey J.D. Hewings. (2002) “Direct and Indirect Industrial Pollution Generation: A Field of Influence Approach.” In Geoffrey J.D. Hewings, Michael Sonis and David E. Boyce (eds.) *Trade, Networks and Hierarchies*, Advances in Spatial Sciences, Heidelberg, Springer-Verlag.
- Michael Sonis, Geoffrey J.D. Hewings and Nuzul Achjar. (2003) “Hierarchical fields of influence of spatial exchange.” In Å. Andersson (ed.) *The Economics of Disappearing Distance* Aldershot, Ashgate.
- Paulo Resende, Joaquim J.M. Guilhoto and Geoffrey J.D. Hewings, (2004) “Free Trade and Transportation Infrastructure in Brazil: Towards an Integrated Approach,” in Der-Horng Lee (ed.) *Urban and Regional Transportation Modeling: Essays in Honor of David Boyce* Cheltenham, Elgar.
- Yasuhide Okuyama, Geoffrey J.D. Hewings and Michael Sonis, (2004) “Measuring the Economic Impacts of Disasters: Interregional Input-Output Analysis using the Sequential Interindustry Model,” In Y. Okuyama and S. Chang (Eds.), *Modeling Spatial and Economic Impacts of Disasters* Heidelberg, Springer.
- Jungyul Sohn, Geoffrey J.D. Hewings, Tschangho John Kim, Jong Sung Lee and Sung-Gheel Jang, (2004) “Analysis of Economic Impacts of an Earthquake on Transportation Network,” In Y. Okuyama and S. Chang (Eds.), *Modeling Spatial and Economic Impacts of Disasters* Heidelberg, Springer.
- Jungyul Sohn, Geoffrey J.D. Hewings and Tschangho John Kim, (2004) “Intra-metropolitan agglomeration, information technology and polycentric urban development,” In R. Capello and P. Nijkamp (eds.) *Urban Dynamics and Growth*, Amsterdam, Elsevier.
- Jungyul Sohn, Tschangho John Kim and Geoffrey J.D. Hewings, (2005) “Information technology and urban spatial structure: a comparative analysis of the Chicago and Seoul regions,” In H.W. Richardson and C-H. C. Bae, *Globalization and Urban Development*, Heidelberg, Springer.
- Kieran P. Donaghy, J. Fernando Vial, Geoffrey J.D. Hewings, and Nazmiye Balta. (2005) A Sketch and Simulation of an Integrated Modeling Framework for the Study of Interdependent Infrastructure-Based Networked Systems, in A. Reggiani and L. Schintler, *Methods and Models in Transport and Telecommunications* Heidelberg, Springer-Verlag, pp. 93-117.
- Patricio A. Aroca, Mariano Bosch Mossi and Geoffrey J.D. Hewings (2006) “Regional Growth and Convergence in Chile 1960-1998: The Role of Public and Foreign Direct Investment,” In Patricio Aroca and Geoffrey J.D. Hewings (eds) *Structure and Structural Change in the Chilean Economy* London, Palgrave-Macmillan.
- Fernando Vial, Marcelo Lufin and Geoffrey J.D. Hewings, (2006) “Regional Wage Differentials in Chile,” In Patricio Aroca and Geoffrey J.D. Hewings (eds) *Structure and Structural Change in the Chilean Economy* London, Palgrave-Macmillan
- Johanna Robles and Geoffrey J.D. Hewings, (2006) “The Determinants of the Regional Foreign Direct Investment in Chile,” In Patricio Aroca and Geoffrey J.D. Hewings (eds) *Structure and Structural Change in the Chilean Economy* London, Palgrave-Macmillan
- Percoco M., Sandy Dall’erba and Geoffrey J.D. Hewings. (2007) “Structural Convergence of the National Economies of Europe.” in: Van Geenhuizen M., Reggiani A. and Rietveld P. (Eds.), *Policy Analysis of Transport Networks*, Aldershot, UK, Ashgate, pp. 287-308.
- Darla K. Munroe, Geoffrey J.D. Hewings and Dong Guo, (2007) “The Role of Intraindustry Trade in Interregional Trade in the Midwest of the US” In Russel J. Cooper, Kieran P. Donaghy and Geoffrey J.D. Hewings . (eds.), *Globalization and Regional Economic Modeling*, Heidelberg, Springer-Verlag.

- Michael Sonis, Geoffrey J.D. Hewings and Dong Guo. (2008) "Industrial Clusters in the Input-Output Economic Systems," In Charlie Karlsson (ed.) *Handbook of Research on Cluster Theory*, Cheltenham, UK, Elgar, pp. 153-168.
- Patricio Aroca, Dong Guo and Geoffrey J.D. Hewings (2008) "Spatial convergence in China: 1952-99," In Guanghua Wan (ed) *Inequality and Growth in Modern China*, Oxford, University Press, pp 125-143
- Geoffrey J.D. Hewings and John B. Parr (2009) "The Changing Structure of Trade and Interdependence in a Mature Economy: The US Midwest," In P. McCann (ed.) *Technological Change and Mature Industrial Regions: Firms, Knowledge, and Policy*, Cheltenham, UK, Elgar, pp. 64-84.
- Michael Sonis and Geoffrey J.D. Hewings (2009) "New developments in input-output analysis," in Michael Sonis and Geoffrey J.D. Hewings (eds.) (2009) *Tool Kits in Regional Science*, Heidelberg, Springer-Verlag, pp. 69-118.
- John Roy and Geoffrey J.D. Hewings (2009) "Regional Input-Output with Endogenous Internal and External Network Flows," In Borje Johansson (ed.) *Innovation, Dynamic Regions and Regional Dynamics* (forthcoming)

(3) Journal Articles

- Geoffrey J.D. Hewings, (1969) "Regional Interindustry Models Derived from National Data: The Structure of the West Midlands Economy," *Annals of Regional Science*, 3, 179-191.
- Geoffrey J.D. Hewings, (1969) "A Note on Forecasting the Economic Base," *Professional Geographer*, 21, 315-318.
- Geoffrey J.D. Hewings, (1970) "Regional Planning: Problems in the Application of Interregional Input-Output Analysis to State Planning and Program Activities," *Annals of Regional Science*, 4, 114-122.
- Geoffrey J.D. Hewings, (1971) "Some Thoughts on Regional Forecasting Using Input-Output Models," *Conference Paper*, CP 1 (Centre for Environmental Studies, London), pp. 71-97.
- Geoffrey J.D. Hewings, (1971) "Multiregional Input-Output Analysis and Transport Planning: A Critique," in *Regional Transport Planning in Theory and Practice*, Second International Symposium on Transport, Zagreb, Yugoslavia.
- Geoffrey J.D. Hewings, (1971) "Regional Input-Output Models in the U.K.: Some Problems and Prospects for the Use of Nonsurvey Techniques," *Regional Studies*, 5, 11-22.
- Geoffrey J.D. Hewings, (1972) "The Aggregation of Input-Output Models for Regional Impact Analysis," *Growth and Change*, 3, 15-19.
- Geoffrey J.D. Hewings, (1974) "The Empirical Identification of Key Sectors in a Regional Economy: A Partial Evaluation of Alternative Techniques," *Environment and Planning*, 6, 439-453.
- Geoffrey J.D. Hewings, (1975) "Threshold Analysis and Urban Development: An Evaluation," *Annals of Regional Science*, 9, 21-31.
- Geoffrey J.D. Hewings, (1976) "On the Accuracy of Alternative Models for Stepping-Down Multi-County Employment Projections to Counties," *Economic Geography*, 52, 206-217.
- Geoffrey J.D. Hewings, (1977) "Evaluating the Possibilities for Exchanging Regional Input-Output Coefficients," *Environment and Planning*, 9, 927-944.

- Geoffrey J.D. Hewings, D.M. Chicoine and G.A. Silbert (1977) "The Economic Impact of the University of Illinois on the State of Illinois," *Illinois Business Review*, (November).
- Geoffrey J.D. Hewings, (1978) "The Trade-Off between Aggregate National Efficiency and Interregional Equity: Some Recent Empirical Evidence," *Economic Geography*, 54, 254-263.
- Geoffrey J.D. Hewings and B.N. Janson (1980) "Exchanging Regional Input-Output Coefficients: A Reply and Further Considerations," *Environment and Planning*, 12, 843-854.
- Peter M. Hooper and Geoffrey J.D. Hewings, (1981) "Some Properties of Space-Time Processes," *Geographical Analysis*, 13, 203-223.
- Eugene N. White and Geoffrey J.D. Hewings, (1982) "Space-Time Employment Modelling: Some Results Using Seemingly Unrelated Regression Estimators," *Journal of Regional Science*, 22, 283-302.
- Geoffrey J.D. Hewings and Michael C. Romanos (1981) "Simulating Less Developed Regional Economies Under Conditions of Limited Information," *Geographical Analysis* 13, 373-390.
- Geoffrey J.D. Hewings, (1981) "Monitoring Changes in a Regional Economy: An Input-Output Simulation Approach," *Modeling and Simulation*, 12, 1043-1046.
- Geoffrey J.D. Hewings, (1982) "Trade, Structure and Linkages in Developing and Regional Economies" *Journal of Development Economics*, 11, 91-96.
- Geoffrey J.D. Hewings, (1982) "Regional and Interregional Interdependencies: Alternative Accounting Systems" *Environment and Planning A*, 14, 1587-1600.
- Geoffrey J.D. Hewings, (1982) "The Empirical Identification of Key Sectors in an Economy: A Regional Perspective" *The Developing Economies*, 20, 173-195.
- Geoffrey J.D. Hewings, (1983) "Design of Appropriate Accounting Systems for Regional Development in Developing Economies" *Papers Regional Science Association*, 51, 179-195.
- Geoffrey J.D. Hewings and William M. Syversen (1982) "A Modified Bi-Proportional Method for Updating Regional Input-Output Matrices: Holistic Accuracy Evaluation" *Modeling and Simulation* 13, 1115-1120.
- T.J. Kim, D.E. Boyce and Geoffrey J.D. Hewings, (1983) "Combined input-output and commodity flow models for inter-regional development planning: insights from a Korean application," *Geographical Analysis*, 15, 330-342.
- Geoffrey J.D. Hewings, (1983) "A decomposition approach to the analysis of changes in regional economic structure," *Modeling and Simulation*, 14, 859-863.
- Geoffrey J.D. Hewings, (1983) "A cost-effective approach to primary input-output data collection: further comments," *Review of Public Data Use* 11, 197-199.
- Geoffrey J.D. Hewings and R.W. Jackson (1984) "Structural change in a regional economy: an entropy decomposition approach" *Modeling and Simulation* 15, 241-246.
- S. Ko, and Geoffrey J.D. Hewings, (1984) "A regional computable general equilibrium model for Korea" *Modeling and Simulation* 15, 451-456.
- Geoffrey J.D. Hewings, Guest Editor, (1984) Special Issue of *Economic Geography* on "New Directions in Regional and Interregional Modelling" 60(2).
- Geoffrey J.D. Hewings, J. Merrifield and J. Schneider, (1984) "A Regional Test of the Linkage Hypothesis" *Revue d'Economie Regionale et Urbaine*, 25, 275-290.

- Geoffrey J.D. Hewings, (1985) "The role of prior information in updating regional input-output models," *Socio-Economic Planning Sciences* 18, 319-336.
- R.C. Jensen and Geoffrey J.D. Hewings, (1985) "Short-cut 'input-output' multipliers: a requiem," *Environment and Planning A*, 17, 747-759.
- R.C. Jensen and Geoffrey J.D. Hewings, (1985) "Short-cut 'input-output' multipliers: the resurrection question, a rejoinder" *Environment and Planning A*, 17, 1551-1552.
- R.C. Jensen, G.R. West and Geoffrey J.D. Hewings, (1986) "Explorations in the comparison of regional economic structure with input-output models," *Modeling and Simulation* 17, 257-262.
- S. Ko and Geoffrey J.D. Hewings, (1986) "A regional computable general equilibrium model for Korea" *Korean Journal of Regional Science* 2, 45-57.
- R.C. Jensen, G.R. West and Geoffrey J.D. Hewings, (1988) "On the study of regional economic structure using input-output models," *Regional Studies* 22, 209-220.
- Geoffrey J.D. Hewings, R.C. Jensen and M. Sonis, (1988) "Innovation diffusion in input-output analysis: a new conceptual framework," *Horizons* 20,
- R.C. Jensen, Geoffrey J.D. Hewings, M. Sonis, and G.R. West, (1988) "On a taxonomy of economies" *Australian Journal of Regional Studies* 2, 3-24.
- Geoffrey J.D. Hewings and R.C. Jensen, (1988) "Emerging challenges in regional input-output analysis," *Annals of Regional Science* 22, 43-53.
- Geoffrey J.D. Hewings, M. Sonis and R.C. Jensen, (1988) "Fields of influence of technological change in input-output models," *Papers Regional Science Association* 64, 25-36.
- Geoffrey J.D. Hewings, M. Fonseca, J. Guilhoto, and M. Sonis, (1989) "Key sectors and structural change in the Brazilian economy: a comparison of alternative approaches and their policy implications," *Journal of Policy Modeling* 11, 67-90.
- M. Sonis, Geoffrey J.D. Hewings and R.C. Jensen, (1989) "Structural analysis of input-output systems: reflections of Schumpeterian competition view," *Giornate di Lavoro*, Associazione Italiana di Ricerca Operativa, Ottobre.
- Geoffrey J.D. Hewings, R.C. Jensen, G.R. West, M. Sonis and R.W. Jackson (1989) "The spatial organization of production: an input-output perspective," *Socio-Economic Planning Sciences*, 23, 67-86.
- Hera Susanti Suwandi and Geoffrey J.D. Hewings, (1989) "Key sectors and development in the Indonesian economy," *Ekonomi Dan Keuangan Indonesia* [Indonesian Journal of Economics and Finance] 37, 331-354.
- R.W. Jackson, Geoffrey J.D. Hewings and M. Sonis, (1989) "Economic structure and coefficient change: a comparative analysis of alternative decomposition approaches," *Economic Geography* 65, 216-231.
- Geoffrey J.D. Hewings, (1990) "Integrated modelling in regional science," *Studies in Regional Science* 20, 30-61.
- Michael Sonis and Geoffrey J.D. Hewings, (1992) "Coefficient change in input-output models: theory and applications," *Economic Systems Research* 4, 143-157.
- Federico Cuello, Fayçal Mansouri and Geoffrey J.D. Hewings, (1992) "The identification of structure at the sectoral level: Implications of reformulating the Hirschman-Rasmussen key-sector indices," *Economic Systems Research* 4, 285-296.
- Michael Sonis and Geoffrey J.D. Hewings, (1993) "Hierarchies of Regional Sub-Structures and their Multipliers within Input-Output Systems: Miyazawa Revisited," *Hitotsubashi Journal of Economics* 34, 33-44.

- Edison Hulu and Geoffrey J.D. Hewings, (1993) "The development and use of interregional input-output models for Indonesia under conditions of limited information" *Review of Urban and Regional Development Studies* 5, 135-153.
- Michael Sonis, Jan Oosterhaven and Geoffrey J.D. Hewings,(1993) "Spatial economic structure and structural changes in the European Common Market: feedback loop input-output analysis," *Economic Systems Research* 5, 173-184.
- Michael Sonis, Geoffrey J.D. Hewings and Jong Kun Lee,(1994) "Interpreting spatial economic structure and spatial multipliers: three perspectives," *Geographical Analysis* 26, 124-151.
- Joaquim J.M. Guilhoto, Michael Sonis, Geoffrey J.D. Hewings and Eduardo B. Martins, (1994) "Índices de ligações e sectores chave na economia Brasileira: 1959-1980," *Pesquisa Planejamento Econômico* 24, 287-314.
- Michael Sonis and Geoffrey J.D. Hewings, (1995) "Matrix sensitivity, error analysis and internal/external multiregional multipliers," *Hitotsubashi Journal of Economics* 36, 61-70.
- Michael Sonis, Geoffrey J.D. Hewings and Ricardo Gazel, (1995) "An examination of multi-regional structure: hierarchy, feedbacks and spatial linkages," *Annals of Regional Science* 29, 409-430.
- Graham Schindler, Philip Israilevich and Geoffrey J.D. Hewings, (1994) "Chicago's economic transformation: Past and future," *Economic Perspectives*, 19, 2-9.
- Michael Sonis, Joaquim J.M. Guilhoto, Geoffrey J.D. Hewings and Eduardo B. Martins, (1995) "Linkages, key sectors and structural change: some new perspectives," *The Developing Economies*, 33, 233-270.
- Michael Sonis, Joaquim J.M. Guilhoto and Geoffrey J.D. Hewings, (1995) "The Asian economy: trade structure interpreted by feedback loop analysis," *Journal of Applied Input-Output Analysis* 2, 24-40.
- Michael Sonis, Geoffrey J.D. Hewings and Jiemin Guo, (1996) "Sources of structural change in input-output systems: a field of influence approach," *Economic Systems Research*, 8, 15-32.
- P.R. Israilevich, Geoffrey J.D. Hewings, G.R. Schindler and R. Mahidhara, (1996) "The choice of input-output table embedded in regional econometric input-output models," *Papers in Regional Science*, 75, 103-119.
- Karin Carter, Geoffrey J.D. Hewings and Philip R. Israilevich, (1996) "Labor and linkages in the fabricated metals sector in Chicago," *Midwest Economic Report* (Federal Reserve Bank of Chicago) 1996, Q 1 1-7.
- Michael Sonis, Geoffrey J.D. Hewings and Eduardo Haddad, (1996) "A typology of propagation of changes on the structure of a multiregional economic system: the case of the European Union, 1975-1985," *Annals of Regional Science* 30, 391-408.
- Geoffrey J.D. Hewings, Federico Cuello, Michael Sonis and Faysal Mansouri, (1996) "The role of regional interaction in regional growth: Competition and Complementarity in the U. S. Regional System," *Australasian Journal of Regional Studies* 2, 133-149.
- Joaquim J.M. Guilhoto, Geoffrey J.D. Hewings, Michael Sonis and Jiemin Guo, (1997) "Economic structural change through time: Brazil and the United States compared." *Economia Aplicada*, 1, 135-57.
- Philip R. Israilevich, Geoffrey J.D. Hewings and Graham R. Schindler, (1997) "Three-dimensional analysis of change," *Regional Studies*, 31, 131-138.
- Michael Sonis, Jiemin Guo, Geoffrey J.D. Hewings, and Edison Hulu, (1997) "Interpreting spatial economic structure: feedback loops in the Indonesian economy, 1980, 1985" *Regional Science and Urban Economics* 27, 325-342.

- Michael Sonis, Geoffrey J.D. Hewings, Yasuhide Okuyama and Jiemin Guo, (1996) "Japanese Regional Economic Structure Interpreted through The Multiplier Product Matrix," *Studies in Regional Science* 26, 1-20.
- Philip R. Israilevich, Geoffrey J.D. Hewings, Michael Sonis and Graham R. Schindler, (1997) "Forecasting Structural Change with a Regional Econometric Input-Output Model," *Journal of Regional Science* 37, 565-90.
- Yasuhide Okuyama, Geoffrey J.D. Hewings and Michael Sonis, (1997) "Economic impacts of an unscheduled event: interregional input-output approach," *Journal of Applied Regional Science* 2, 79-93.
- Michael Sonis, Geoffrey J.D. Hewings and Sri Sulistyowati, (1997) "The Structure of the Indonesian Economy: A Generalized Structural Path Analysis" *Economic Systems Research* 9, 265-280.
- Michael Sonis, Geoffrey J.D. Hewings and Ken'ichi Miyazawa, (1997) "Synergetic interactions within pair-wise hierarchy of economic linkages sub-systems," *Hitotsubashi Journal of Economics* 38, 183-199.
- Geoffrey J.D. Hewings, Graham R. Schindler and Philip R. Israilevich, (1997) "Infrastructure and economic development: airport capacity in the Chicago Metropolitan Region, 2001-2018," *Journal of Infrastructure Systems* 3, 96-102.
- Michael Sonis and Geoffrey J.D. Hewings, (1998) "The temporal Leontief inverse," *Macroeconomic Dynamics* 2, 89-114.
- Geoffrey J.D. Hewings, Michael Sonis, Jiemin Guo, Philip R. Israilevich and Graham R. Schindler, (1998) "The hollowing out process in the Chicago economy, 1975-2015," *Geographical Analysis*, 30, 217-233.
- Michael Sonis and Geoffrey J.D. Hewings, (1998) "Economic complexity as network complication: multiregional input-output structural path analysis," *Annals of Regional Science* 32, 407-436.
- Bambang Brodjonegoro, Eduardo Haddad, and Geoffrey J.D. Hewings, (1998) "The Structure of Jakarta Metropolitan Economy," *Ekonomi dan Keuangan Indonesia* 46, 79-98.
- Oliver Fritz, Michael Sonis and Geoffrey J.D. Hewings, (1998) "A Miyazawa Analysis of Industrial Emission Interdependencies between Polluting and Non-Polluting Sectors," *Structural Change and Economic Dynamics* 9, 289-305.
- Geoffrey J.D. Hewings, Graham R. Schindler and Philip R. Israilevich, (1998) "Interstate trade among the Midwest economies," *Chicago Fed Letter*, No. 129, May.
- Michael Sonis and Geoffrey J.D. Hewings, (1998) "Theoretical and applied input-output analysis: a new synthesis. Part I, structure and structural change in input-output systems," *Studies in Regional Science*, 27, 233-256.
- Werner Baer, Eduardo Haddad and Geoffrey J.D. Hewings, (1998) "The regional impact of neo-liberal policies in Brazil," *Economia Aplicada* 2, 219-242.
- Michael Sonis and Geoffrey J.D. Hewings, (1999) "Economic Landscapes: Multiplier Product Matrix Analysis for Multiregional Input-Output Systems," *Hitotsubashi Journal of Economics* 40, 59-74.
- Eduardo Haddad, Geoffrey J.D. Hewings and Michael Sonis, (1999) "Trade and interdependence in the economic growth process: a multiplier analysis for Latin America," *Economia Aplicada*, 3, 205-237.
- Eduardo Haddad and Geoffrey J.D. Hewings, (1999) "The short-run regional effects of new investments and technological upgrade in the Brazilian automobile industry: an interregional computable general equilibrium analysis," *Oxford Development Studies*, 27, 359-383.

- Jan A. van der Linden, Jan Oosterhaven, Federico Cuello, Geoffrey J.D. Hewings and Michael Sonis, (2000) "Fields of influence of technological change in EC intercountry input-output tables, 1970-80," *Environment and Planning A* 32, 1287-1305.
- Eduardo A. Haddad and Geoffrey J.D. Hewings, (2000) "Linkages and interdependence in the Brazilian economy: an Evaluation of the inter-regional input-output system, 1985," *Revista Econômia do Nordeste*, 31, 330-367.
- Michael Sonis and Geoffrey J.D. Hewings, (2000) "LDU-factorization of Miyazawa Income Multipliers in Multiregional Systems," *Annals of Regional Science* 34, 569-589.
- Eduardo Haddad, Geoffrey J.D. Hewings and Werner Baer, (1999) "The spatial formation of the Brazilian economy: Historical overview and future trends," *Geographia Polonica*, 72, 89-106.
- Byung-Do Cho, Jungyul Sohn and Geoffrey J.D. Hewings, (2000) "Industrial Structural Change in the Korean Economy between 1975 and 1995: Input-Output Analysis," *Economic Papers* (Bank of Korea) 3, 109-136 [Korean version in *Quarterly Economic Analysis*, 5, 136-162 (1999)].
- Michael Sonis, Yasuhide Okuyama and Geoffrey J.D. Hewings, (2001) "Feedback Loops Analysis of Interregional Trade: Case study of the Japanese Economy, 1980-85-90," *Journal of Economic Geography* 1, 341-362.
- Michael Sonis, Geoffrey J.D. Hewings and Jiemin Guo, (2000) "A New Image of Classical Key Sector Analysis: Minimum Information Decomposition of the Leontief Inverse," *Economic Systems Research* 12, 401-423.
- Kazumi Hitomi, Yasuhide Okuyama, Geoffrey J.D. Hewings, and Michael Sonis, (2000) "The Role of Interregional Trade in Generating Change in the Interregional Leontief Inverse in Japan, 1980-1990," *Economic Systems Research*, 12, 515-537.
- Geoffrey J.D. Hewings "New goals for new rural policies,"(2001) *International Regional Science Review*, 24 146-160 [reprinted in *Beyond Agriculture: New Policies for Rural America*, Federal Reserve Bank of Kansas City, 2000].
- Geoffrey J.D. Hewings, Yasuhide Okuyama, and Michael Sonis, (2001) "Economic Interdependence within the Chicago Metropolitan Region: A Miyazawa Analysis," *Journal of Regional Science*, 41, 195-217.
- Stanley A. Changnon and Geoffrey J.D. Hewings, (2001) "Losses from weather extremes in the United States," *Natural Hazards Review*, 2, 113-123.
- Stanley A. Changnon, J.M. Changnon and Geoffrey J.D. Hewings, (2001) "Losses caused by weather and climate extremes: A national index for the United States," *Physical Geography*, 22, 1-27.
- Joaquim J.M. Guilhoto, Geoffrey J.D. Hewings, Michael Sonis and Jiemin Guo, (2001) "Research Note: Economic structural change over time: Brazil and the United States compared." *Journal of Policy Modeling*, 23, 703-711.
- Joaquim J.M. Guilhoto, Geoffrey J.D. Hewings and Michael Sonis, (2002) "Productive Relations in the Northeast and the Rest of Brazil Regions in 1995: Decomposition & Synergy in Input-Output Systems," *Geographical Analysis* 34, 62-75.
- Patricio Aroca, Geoffrey J.D. Hewings and Jimmy Paredes Godoy, (2001) "Migracion interregional y el Mercado laboral en Chile: 1977-82 y 1987-1992." *Cuadernos de Economía*, 38, 321-345.
- Yasuhide Okuyama, Geoffrey J.D. Hewings, Michael Sonis and Philip R. Israilevich, (2002) "An Econometric Analysis of Bi-Proportional Properties in an Econometric-Input-Output Modeling System," *Journal of Regional Science* 42, 361-388.

- Patricio Aroca and Geoffrey J.D. Hewings, (2002) "Migration and labor market adjustment: Chile, 1977-1982 and 1987-1992," *Annals of Regional Science* 36, 197-218.
- Edson Domingues, Eduardo A. Haddad, Geoffrey J.D. Hewings and Fernando Perobelli, (2002) "Structural changes in the Brazilian interregional economic system, 1985-1997: holistic matrix interpretation." *Australian Journal of Regional Studies* 8, 21-44.
- Jungyul Sohn, Tschangho John Kim, and Geoffrey J.D. Hewings,(2002) "Information technology impacts on urban spatial structure in the Chicago region," *Geographical Analysis* 34, 313-329.
- Chokri Dridi and Geoffrey J.D. Hewings, (2002) "An Investigation of Industry Associations, Association Loops, and Economic Complexity: Application to Canada and the United States," *Economic Systems Research* 14, 275-296.
- John B. Parr, Geoffrey J.D. Hewings, Jungyul Sohn, and Suahasil Nazara, (2002) "Agglomeration and Trade: Some Additional Perspectives," *Regional Studies*, 36, 675-684.
- Miguel A. Marquez Julian Ramajo and Geoffrey J.D. Hewings, (2003) "Forecasting in a Small and Unstable Regional Economy Using Regime Shifting Models: the Case of Extremadura" *Geographical Analysis*, 35, 110-132.
- Jungyul Sohn, Tschango John Kim and Geoffrey J.D. Hewings, (2003) "Information Technology and Urban Spatial Structure: A Comparative Analysis on the Chicago and Seoul Regions," *Annals of Regional Science* 37, 447-462.
- Miguel A. Marquez and Geoffrey J.D. Hewings, (2003) "Geographical interaction between regional economies: a new approach" *Annals of Regional Science* 37, 559-580.
- Chokri Dridi and Geoffrey J.D. Hewings, (2003) "Sector associations and similarities in input-output systems: an application of dual scaling and fuzzy logic to Canada and the United States." *Annals of Regional Science*, 37, 629-656.
- Miguel A. Márquez, Julián Ramajo, and Geoffrey J.D. Hewings, (2003) "Regional Interconnections and Growth Dynamics: the Spanish Case," *Australasian Journal of Regional Studies* 9.
- Jungyul Sohn, Tschangho John Kim, Geoffrey J.D. Hewings, (2003) Jong Sung Lee and Sung-Gheel Jang "Retrofit Priority of Transport Network Links under an Earthquake," *Journal of Urban Planning and Development* 129 195-210.
- Karen R. Polenske and Geoffrey J.D. Hewings, (2004) "Trade and spatial economic interdependence," *Papers in Regional Science*, 83, 269-290.
- Geoffrey J.D. Hewings, Suahasil Nazara and Chokri Dridi, (2004) "Channels of synthesis forty years on: integrated analysis of spatial economic systems," *Journal of Geographical Systems* 6, 7-25.
- Euijune Kim, Geoffrey J.D. Hewings and Chowoon Hong, (2004) "An Application of Integrated Transport Network –Multiregional CGE Model I: A Framework for Economic Analysis of Highway Project" *Economic Systems Research* 16, 235-258.
- Suahasil Nazara and Geoffrey J.D. Hewings, (2004) "Spatial Structure and Taxonomy of Decomposition in Shift-Share Analysis," *Growth & Change* 35, 476-490.
- Ferhan Gezici and Geoffrey J.D. Hewings, (2004) "Regional convergence and the economic performance of peripheral areas in Turkey," *Review of Urban & Regional Development Studies* 16, 113-132.
- Eduardo Simões de Almeida, Eduardo Amaral Haddad, and Geoffrey J. D. Hewings, (2005) "The spatial pattern of crime in Minas Gerais: An exploratory analysis," *Economia Aplicada*, 9, 39-55.

- M.C. Lima, M.A. Cardenete, Geoffrey J.D. Hewings and J. Vallés, (2005) “A structural analysis of a regional economy using social accounting matrices: 1990-1999,” *Investigaciones Regionales*, 5, 113-138.
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 Advisory Committee, 1977-79 1980-83 1991-95
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 Head, August 1983-1990

School of Social Sciences/College of Liberal Arts and Science

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 Executive Committee, January-June 1982 May 1983
 Advisory Committee, Science and Technology Program, 1983-
 Chair, Political Science Headship Search Committee, 1986
 Evaluation of the Social Science Departments, 1992
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 Evaluation of the Impact of the University of Illinois on the State 1975-76
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 Regional Science Program Committee, 1978-
 Vice Chancellor's Committee to Evaluate College of Education 1984-85
 Vice Chancellor's Committee on Campus Priorities 1985-87
 Faculty Advisory Committee, Office of Arms Control, Disarmament and International Security 1984-
 Boechenstein Chair in Political Economy Search Committee, 1987-1993
 Graduate College Research Board, 1991-1995
 Committee on European Studies, 1991-
 Vice-Chancellor's Committee to Evaluation Health and Social Work Programs, 1992-1993
 Director, Regional Economics Applications Laboratory, 1989-

PROFESSIONAL ASSOCIATIONS

American Economic Association	Southern Regional Science Association
MidContinent Regional Science Association	Regional Science Association International
Western Regional Science Association	International Input-Output Association
Royal Economic Society	

PROFESSIONAL POSITIONS

Regional Science Association International

President, *Regional Science Association International*, 2001-2002
 Vice-President and President-Elect, *Regional Science Association International*, 2000

Executive Director, *Regional Science Association International*, 1990-1996
 Executive Secretary, *Regional Science Association (International)*, 1978-1990
 President, *North American Regional Science Council*, 1998
 President *Western Regional Science Association*, 2007-2008

Association of American Geographers

Vice-Chairman, (1982-84), Chairman (1984-86) Industrial Systems Specialty Group
 Research Grants Committee, 1980 (member), 1981 (Chairman)
 Development Committee, 1991-1996

Other

Secretary-Treasurer, *Mid-Continent Regional Science Association* 1975-1979
 Book Review Editor, *Regional Science Perspectives*, 1977-1981
 American Editor, *Australian Journal of Regional Studies*, 2000-
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