

RANDALL W. JACKSON

CURRICULUM VITAE

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ACADEMIC APPOINTMENTS:

Director, Regional Research Institute, West Virginia University
Professor, Geology and Geography, West Virginia University
Adjunct Professor, Geography, The Ohio State University
Adjunct Professor, Economics, University of Pittsburgh
Adjunct Professor, Economics, West Virginia University
Adjunct Professor, Resource Management, West Virginia University

EDUCATION:

Ph.D.	(1983)	Department of Geography, University of Illinois-Urbana
M.S.	(1980)	Department of Geography, University of Illinois-Urbana
B.S.	(1976)	Department of Geography, University of Utah

PRIOR PROFESSIONAL APPOINTMENTS:

Associate Professor, Geography
Ohio State University, September 1989 – December 2001

Associate Director for Research Computing
Office of Academic Computing
Ohio State University, October 1990 – September 1992

Assistant Professor of Geography
Ohio State University, August 1986 – September 1989

Assistant Professor of Geography
Northern Illinois University, August 1983 – August 1986

Research Associate
Center for Governmental Studies
Northern Illinois University, August 1983 – August 1986

I. RESEARCH PUBLICATIONS AND ACTIVITIES

A. PAPERS

2009 Cheng, S, RR Stough and RW Jackson. Measuring and Building High-Quality Entrepreneurship: A Research Prospectus. *The European Journal of Social Science Research*, Volume 10, Number 2, forthcoming.

Hailu YG, TG Gebremedhin and RW Jackson. A Regional Economic Analysis of the Links between Income Inequality and Economic Growth: Evidence from West Virginia Data. *Journal of Income Distribution*, Volume 18, Number 1, pages 130-145.

2008 Jackson RW and K Haynes. Methods: Shift-Share Analysis. In *International Encyclopedia of Human Geography*, Volumes 1-12, eds. N Thrift and R Kitchin, Elsevier.

Giarratani F, G Gruver and RW Jackson. Rejoinder to SD Kominers Comment on "Clusters, Agglomeration, and Economic Development Potential: Empirical Evidence Based on the Advent of Slab Casting by U.S. Steel Minimills." *Economic Development Quarterly* Volume 22, Number 3, page 267.

2007 Giarratani, F, G Gruver and RW Jackson. Clusters, Agglomeration, and Economic Development Potential: Empirical Evidence Based on the Advent of Slab Casting by U.S. Steel Minimills. *Economic Development Quarterly*, Volume 21, Number 2, pages 148-164.

2006 Giarratani F, G Gruver and RW Jackson. Plant Location and the Advent of Slab Casting by U.S. Steel Minimills: An Observation-Based Analysis. *Economic Geography*, Volume 82, Number 4, pages 401-419.

Jackson RW, WR Schwarm, Y Okuyama and S Islam. A Method for Constructing Commodity by Industry Flow Matrices. *Annals of Regional Science*, Volume 40, Number 4, pages 909-920.

Schwarm WR, RW Jackson and Y Okuyama. An Evaluation of Method for Constructing Commodity by Industry Flow Matrices. *The Journal of Regional Analysis & Policy*, Volume 36, Number 1, pages 84-93.

2005 Hailu YG, TG Gebremedhin and RW Jackson. Assessing Demographic Changes and Income Inequalities: A Case Study of West Virginia. *Journal of Agricultural and Applied Economics* Volume 37, Number 1.

2004 Jackson RW and AT Murray. Alternate Input-Output Matrix Updating Formulations. *Economic Systems Research*, Volume 16, Number 2, pages 135-148.

Jackson RW. The Impacts of Walter Isard on Geography. *Journal of Geographical Systems*, Volume 6, Number 1, pages 71-77.

2003 Healy R and RW Jackson. Competition & Complementarity in Local Economic Development. *Studies in Regional & Urban Planning*, Issue 9, pages 21-49 (accepted in 2002, in print in 2003, dated 2001).

- 2002 Jackson RW and DA Dzikowski. A Spatial Output Decomposition Method for Assessing Regional Economic Structure. In *Trade, Networks and Hierarchies*. Edited by Geoffrey JD Hewings, M Sonis and DE Boyce, Springer-Verlag, pages 315-328.
- 2001 Jackson RW and M Sonis. On the Spatial Decomposition of Forecasts. *Geographical Analysis*, Volume 33, Number 1, pages 58-75.
- Jackson RW. Assessing the Spatial Variation in U.S. Technology. In *Perspectives in Regional Analysis: A Festschrift in Memory of Benjamin H. Stevens*. Edited by M Lahr and RE Miller. Ashgate, pages 323-344.
- 2000 Mikelbank BA and RW Jackson. The Role of Space in Public Capital Research. *International Regional Science Review*, Volume 23, Number 3, pages 235-258.
- 1999 Jackson RW and M Madden. Closing the Case on Closure in Cole's Model. *Papers in Regional Science*, Volume 78, pages 423-427.
- Mikelbank BA and RW Jackson. Equity vs. Efficiency: Public Capital Investment in Ohio, 1988-1992. *The Professional Geographer*, Volume 51(2), pages 196-209.
- Rey S and RW Jackson. Interindustry Employment Demand and Labor Productivity in Regional Econometric+Input-Output Models. *Environment and Planning, A*, Volume 31, pages 1583-1599.
- 1998 Jackson RW. Regionalizing National Commodity-by-Industry Accounts. *Economic Systems Research*, Volume 10, Number 3, pages 223-238.
- West GR and RW Jackson. Input-Output+Econometric and Econometric+Input-Output: Model Differences or Different Models? *Journal of Regional Analysis and Policy*, Volume 28, Number 1, pages 33-45.
- 1997 Jackson RW, M Madden and H Bowman. Closure in Cole's Reformulated Leontief Model. *Papers in Regional Science*, Volume 76, Number 1, pages 21-28.
- Comer JC and RW Jackson. A Note on Adjusting National Input-Output Data for Regional Table Construction. *Journal of Regional Science*, Volume 37, Number 1, pages 145-153.
- 1995 Jackson RW. Directions in Regional Science. *International Regional Science Review*, Volume 18, Number 2, pages 159-164.
- 1994 Jackson RW. Object-Oriented Modeling in Regional Science: An Advocacy View. *Papers in Regional Science*, Volume 73, Number 4, pages 347-367.
- 1993 Jackson RW and JC Comer. An Alternative to Aggregated Base Tables in Input-Output Regionalization. *Growth and Change*, Volume 24, Number 2, pages 191-205.
- Jahan S and RW Jackson. Regional Impacts Assessment: An Alternative Approach. *Oriental Geographer*, Volume 37, Number 2.

- 1992 Jackson RW, P Israilevich and JC Comer. A Note on the Role of Survey Data and Expert Opinion in Constructing Input-Output Tables. *Papers in Regional Science*, Volume 71, Number 1, pages 87-93.
- 1991 Jackson RW. The Relative Importance of Input-Coefficients and Transactions in Input-Output Structure. In *New Interpretations and Extensions of Regional Input-Output Modelling*, Edited by J Dewhurst, GJD Hewings, R Jensen. Aldershot, Hampshire: Avebury, Gower Publishing, pages 51-65.
- 1990 Jackson RW, P Rogerson, D Plane and B O hUallachain. A Causative Matrix Approach to Interpreting Structural Change. *Economic Systems Research*, Volume 2, Number 3, pages 261-270.
- Bolton RE, RW Jackson and GR West. Editors' Introduction, Special Double Issue on the Construction and Use of Regional Input-Output Models. *International Regional Science Review*, Volume 13, Nos. 1 & 2, pages 1-7.
- Bolton RE, RW Jackson and GR West. Introduction, Special Issue on New Methods and Results in Input-Output Analysis. *Socio-Economic Planning Sciences*, Volume 23, Number 5, pages 237-240.
- 1989 Jackson RW, GJD Hewings and M Sonis. Decomposition Approaches to the Identification of Change in Regional Economies. *Economic Geography*, Volume 65, pages 216-231.
- Jackson RW, HJ Miller and M Hynes. A Formal Procedure for Generating Regional Product Accounts for U.S. Regions. *Socio-Economic Planning Sciences*, Volume 23, Number 5, pages 271-281.
- Hewings GJD, RC Jensen, GR West, M Sonis and RW Jackson. The Spatial Organization of Production: An Input-Output Perspective. *Socio-Economic Planning Sciences*, Volume 23, pages 67-86.
- Jackson RW and GR West. Perspectives on Probabilistic Input-Output Analysis. In *Frontiers of Input-Output Analysis: Commemorative Papers*, (refereed) Edited by R Miller, K Polenske, A Rose, Oxford University Press, pages 209-221.
- Jackson RW. Probabilistic Input-Output Analysis: Modeling Directions. *Socio-Economic Planning Sciences*, Volume 23, pages 87-95.
- 1988 Jackson RW and M Hynes. Demographics in Demographic-Economic Models: A Reply to Madden. *Environment and Planning, A*, Volume 20, pages 1543-1545.
- Jackson RW. Conjoining Interindustry Linkages and Ownership Data: An Empirical Application. *Growth and Change*, Volume 20, Number 1, pages 34-54.

- Hynes M and RW Jackson. Demographics in Demo-Economic Models: A Note on the Basic Activity-Commodity Framework. *Environment and Planning, A*, Volume 20, pages 1531-1536.
- Miller HJ and RW Jackson. The Impacts of the Professional Football Strike on the Chicagoland Area. *Illinois Business Review*, Volume 45, Number 3, pages 3-7.
- 1986 Jackson RW. Measuring the Impact of External Economic Ownership. *Geographical Analysis*, Volume 18, Number 4, pages 313-323.
- Jackson RW. The 'Full Distribution' Approach to Aggregate Representation in the Input-Output Modeling Framework. *Journal of Regional Science*, Volume 26, Number 3, pages 515-531.
- Jackson RW. Interindustry Modeling of Regional Economic Dependency. *Modeling and Simulation*, Volume 17, Part 1, pages 263-267.
- Jackson RW and JT Jarzab. Regional Impacts of Public Capital Investment: The O'Hare Rapid Transit Extension Project. *East Lakes Geographer*, Volume 21, pages 68-76.
- Jahan S, RW Jackson and WM Syversen. Build Illinois: A Regional Impact Analysis. *Illinois Business Review*, Volume 43, Number 3, pages 9-13.
- 1985 Jackson RW. Scale, Scope and Key Sector Identification. *Papers and Proceedings of Applied Geography Conferences*, Volume 8, pages 246-257.
- 1984 Jackson RW. An Evaluation of Alternative Measures of Regional Industrial Diversification. *Regional Studies*, Volume 18 Number 2, pages 103-112. Reprinted in *Modern Classics in Regional Science*, Edited by N Hansen, KJ Button, P Nijkamp, 1996.
- Jackson RW and GJD Hewings. Structural Change in a Regional Economy: An Entropy Decomposition Approach. *Modeling and Simulation*, Volume 15, Part 1, pages 451-456.
- Wilkin DC and RW Jackson. Non-Point Water Quality Contributions from Land Use. *Journal Environmental Systems*, Volume 13, Number 2, pages 127-36.

B. GRANTS AND AWARDS

- 2009 Deng, J, RW Jackson, J Anderson, N Zegre, T Petty, M Strager, S Lamont, T Harris and F Lafone. Appalachian Assessment of Natural Assets: Water. Appalachian Regional Commission. \$248,150
- Ghadimi,H, RW Jackson, The Cadmus Group Inc., and Virginia Polytechnic Institute and State University (Virginia Tech). ARC Planning and Financing Energy Efficient Infrastructure. Appalachian Regional Commission. \$49,691
- Jackson, RW. NETL Impact Forecasting thru Econometric IO Model. DOE/NETL. \$104,118

- Jackson, RW, C Jensen, R Post, P DiPietro, L Phares, G Pickenpaugh, L Manfredo, B Brown, W North, A Jones, S Kramer, and T Davis. Economic Impact of Domestic Fossil-based Resources. DOE/NETL. \$101,958
- Jackson, RW, A Krugh, B LaShier, and R Munson. National and State Economic Impact of NETL. DOE/NETL. \$84,311
- 2008 Jackson RW and S Cheng, E Bowen, Z Tian, K Haynes and J Riggle. Collaborative Research: Performance Measurement and Asset Mapping of Regional Innovation Systems in the United States. Economic Development Administration (EDA). \$192,647
- Cheng S, RW Jackson and PV Schaeffer, M Middleton, K Haynes, J Riggle, and H Qian. Collaborative Research: Evaluation without Bias: New Performance Measures for Business Incubators in Rural America. USDA/Cooperative State Research, Education, and Extension Service (CSREES). \$499,965
- 2007 Jackson RW. Valuing Domestically Produced Natural Gas & Oil, DOE/NETL. \$106,940
- 2006 Jackson RW. Materials Flow Modeling in Sustainable Industrial Systems within Urban Centers. National Science Foundation. \$98,773
- Jackson RW and D Martinelli. Models of Energy Futures and NETL's Local/Regional Economic and Environmental Impact. National Energy Technology Laboratory. \$74,995
- 2004 Jackson RW and WR Schwarm. Dominion Transmission LNG Pipeline Impacts. Dominion Transmission. \$23,150
- 2003 Jackson RW and Y Okuyama. Constructing Interregional Commodity-Industry Accounts for US States. National Science Foundation. \$99,995
- Okuyama Y and RW Jackson. The Construction of an Interregional Social Accounting Matrix Focusing on the West Virginia Economy. WVU Research Corporation Investment in Research Stimulation, Program to Stimulate Competitive Research. \$25,488
- 2002 Jackson RW. An Analysis of Industry Clusters Related to the Advent of Thin-slab Casting, The Alfred P. Sloan Foundation. (Sub-contract to University of Pittsburgh). \$83,719
- 2000 Marble DF and RW Jackson. Ohio Statewide Travel Demand Forecasting Model, Ohio Department of Transportation (Parsons-Brinckerhoff prime). \$156,711
- Arnfield AJ, RW Jackson and J DeGrand. Expansion and Enhancement of the Geography Instructional Laboratory, Ohio State University TELR Program. \$46,739 (annual rate increment)
- 1999 Jackson RW. Nonlinear Dynamics for Spatial Disaggregation of Forecasts, Ohio State University Committee on Urban Affairs. \$18,946

1998 Jackson RW and BA Mikelbank. Transportation Infrastructure and Housing Values: A Hedonic Analysis of Central Ohio, Ohio State University Committee on Urban Affairs. \$19,592

1997 Jackson RW, M O'Kelly and LA Brown. Instructional Computing Laboratory Enhancement, Instructional Technologies Advisory Committee, Office of Academic Affairs, The Ohio State University. \$108,000

Jackson RW. A Regional Economic Comparison of Two Ohio Metropolitan Areas, The Ohio State University Committee on Urban Affairs. \$19,592

1996 Smith WR, DF Marble and RW Jackson. Creating Competitive Advantage for Ohio, it's Regions and its Universities through Geographic Information Systems Technology: Stage 2 of Ohio GIS-Net Implementation, OSU team contribution to Cleveland State University coordinated proposal. \$66,000 (OSU allocation)

1995 O'Kelly M, RW Jackson, DF Marble, LA Brown and H Moellering. Acquisition of a Departmental Research Network for the Analysis of Spatial Data, National Science Foundation Instrumentation Grant. \$114,658

Jackson RW and BA Mikelbank. The Distribution and Economic Impacts of Public Infrastructure Investment in Ohio, The Ohio State University Committee on Urban Affairs. \$20,838

Jackson RW. Economic Database Initiative for the Greater Columbus Area Chamber of Commerce, Office of the President, Ohio State University, \$18,100

1994 Jackson RW. Ohio Economic Forecasting Project, Bank One, Columbus, The Ohio State University, and Regional Economic Applications Laboratory of the Chicago Federal Reserve Bank and the University of Illinois. \$75,000

1991 Jackson RW. An Integrated Modeling Framework for Ohio and its Metropolitan Areas, The Ohio State University Committee on Urban Affairs. \$18,185

Jackson RW. Distributions of Input-Output Coefficients and Probabilistic Input-Output Models, National Science Foundation, Geography and Regional Science Division. \$23,902

1990 Jackson RW. Instructional Enhancement for Economic Geography, The Center for Teaching Excellence, The Ohio State University. \$5,151

1989 Jackson RW. Distributions of Input-Output Coefficients and Probabilistic Input-Output Models, National Science Foundation, Geography and Regional Science Division. \$64,498

1988 Jackson RW. Regional Accounts for the Columbus Metropolitan Area, The Ohio State University Urban Affairs Committee. \$18,861

Jackson RW. Regional Accounts for the Columbus Metropolitan Area, Ohio Board of Regents, matching grant. \$18,517

- 1987 Jackson RW and M. Hagey. New Manufacturing Firm Formation and Local Industrial Structures: An Analysis of the Automobile Industry in Ohio, The Ohio State University Urban Affairs Committee. \$15,350
- 1986 Jackson RW. A Commodity Flow Alternative to Measuring Corporate Dominance, National Science Foundation, C Supplement and Extension. \$10,788
- 1985 Jackson RW. A Commodity Flow Alternative to Measuring Corporate Dominance, National Science Foundation, Geography and Regional Science Program. \$32,588
- Jackson RW. The Chicago World's Fair, 1992, Data Preparation and Preliminary Impacts Assessment, Chicago World's Fair Authority. \$10,400
- Jackson RW. Industrial Satellites for Economic Development, Northern Illinois University Graduate School Fund. \$3,618
- Jackson RW. Input-Output Analysis: Assessing Regional Economic Impacts, Illinois Department of Commerce and Community Affairs. \$2,556
- 1984 Jackson RW. The Development of an Interregional Input-Output Modeling Capability for the State of Illinois Northern Illinois University Graduate School Fund. \$3,306

C. RESEARCH, GOVERNMENT, WORKING PAPERS, CONSULTING REPORTS/ACTIVITIES

- 2009 Choi T, RW Jackson, NG Leigh. Constructing a Baseline Input-Output Model with Environmental Accounts (IOEA), Working Paper 2009-3, Regional Research Institute, West Virginia University
- Hailu YG, MS Kahsai, TG Gebremedhin and RW Jackson. Is Income Inequality Endogenous in Regional Growth? Working Paper 2009-1, Regional Research Institute, West Virginia University
- 2008 Jackson, R, L Phares and C Jensen. Valuing Domestically Produced Natural Gas and Oil, Final Report, DOE/NETL-404.03.02/123108
- Cooper J, RW Jackson, NG Leigh. Modeling Regional Recycling and Remanufacturing Processes: From Micro to Macro. Working Paper 2008-6, Regional Research Institute, West Virginia University.
- Jackson RW, T Choi and NG Leigh. Recycling and Re-Manufacturing in Input-Output Models, Working Paper 2008-4, Regional Research Institute, West Virginia University.
- 2007 Phares, L, D Lange, C Hendrickson, and R Jackson. National and State Economic and Environmental Impacts of NETL, University Partnership Final Report, DOE/NETL-404.02.01
- Jackson RW and WR Schwarm. Issues in the Implementation of Interregional Commodity by Industry Input-Output Models, Working Paper 2007-12, Regional Research Institute, West Virginia University.

- Gebremariam GH, TG Gebremedhin, PV Schaeffer, TT Phipps and RW Jackson. A Spatial Panel Simultaneous-Equations Model of Business Growth, Migration Behavior, Local Public Services and Household Income in Appalachia, Working Paper 2007-11, Regional Research Institute, West Virginia University.
- Gebremariam GH, TG Gebremedhin, PV Schaeffer, RW Jackson and TT Phipps. Services in Regional Income Growth in Appalachia. Working Paper 2007-10, Regional Research Institute, West Virginia University.
- Gebremariam GH, TG Gebremedhin, PV Schaeffer, TT Phipps and RW Jackson. A Spatial Model of Regional Variations in Business Growth in Appalachian States, Working Paper 2007-9, Regional Research Institute, West Virginia University.
- 2006 Jackson, RW, WR Schwarm and R Lorince. Resource Inventory and Assessment: Vision Shared Focus Team on Technology-Based Economic Development, Report, Regional Research Institute, West Virginia University.
- Bekele, G and RW Jackson. Theoretical Perspectives on Industry Clusters, Working Paper 2006-5, Regional Research Institute, West Virginia University.
- Schwarm WR and RW Jackson. Examining and Evaluating Aggregation Scale Effects on Interregional Commodity by Industry Trade Flow Estimates, Working Paper #2006-4, Regional Research Institute, West Virginia University.
- Giarratani F, G Gruver and RW Jackson. Agglomeration and Market Entry in the U.S. Steel Industry: Empirical Evidence based on the Advent of Slab Casting by U.S. Steel Minimills, Sloan Industry Studies Working Papers, WP-2006-01.
- 2005 Hailu YG, TG Gebremedhin and RW Jackson. Assessing Demographic Changes and Income Inequalities: A Case Study of West Virginia, Working Paper #2005-2, Regional Research Institute, West Virginia University.
- 2004 Gebremariam GH, TG Gebremedhin and RW Jackson, The Role of Small Business in Economic Growth and Poverty Alleviation in West Virginia: An Empirical Analysis, Working Paper # 2004-10, Regional Research Institute, West Virginia University.
- Jackson RW and WR Schwarm. An Economic Impact Study of the Pennsylvania Section of the Cove Point Expansion. Working Paper #2004-9, Regional Research Institute, West Virginia University.
- Jackson RW, WR Schwarm, Y Okuyama and S Islam. A Method for Constructing Commodity By Industry Flow Matrices, Working Paper #2004-5, Regional Research Institute, West Virginia University.
- West GR and RW Jackson. Non-Linear Input-Output Models: Practicability and Potential, Working Paper #2004-4, Regional Research Institute, West Virginia University.
- 2003 Jackson RW. The Impacts of Walter Isard on Geography. Working Paper #2003-11, Regional Research Institute, West Virginia University.

- Jackson RW and AT Murray. Alternate Input-Output Matrix Updating Formulations. Working Paper #2003-6, Regional Research Institute, West Virginia University.
- 2002 Jackson RW. Constructing US Interregional SAMs from IMPLAN Data: Issues and Methods. Working Paper #2002-14, Regional Research Institute, West Virginia University.
- Jackson RW and AT Murray. Alternate Formulations for Updating Input-Output Matrices, Working Paper #2002-9, Regional Research Institute, West Virginia University.
- Healy R and RW Jackson. Competition and Complementarity in Local Economic Development: A Nonlinear Dynamic Approach. Working Paper #2002-3, Regional Research Institute, West Virginia University.
- 2001 Jackson RW. The Economic Impacts of the Daimler-Chrysler Jeep Production Facility on Toledo and the Rest of Ohio. Daimler-Chrysler Corporation.
- Jackson RW. Construction of an Interregional Social Accounting Matrix (in progress). Parsons-Brinckerhoff/Ohio Department of Transportation.
- 1993 Jackson RW. Assessment of Potential Wasteshed for the Proposed Clark County Waste-to-Energy Incinerator. Danis-Clarkco Landfill Company.
- 1992 Jackson RW. The Economic Impacts of AmeriFlora'92 and Related Activities. Greater Columbus Area Chamber of Commerce.
- 1991 Jackson RW, P Israilevich and JC Comer. Census Content of Bureau of Economic Analysis Input-Output Data. Federal Reserve Bank of Chicago Working Paper Series, WP-1991-2.
- Jackson RW. The Economic Impacts of the 1992 AmeriFlora Exhibition (Update) by agreement with AmeriFlora'92.
- 1990 Jackson RW. The Economic Impacts of the 1992 AmeriFlora Exhibition by agreement with AmeriFlora'92.
- 1988 Jackson RW. Market Report Verification. Codisys Corporation.
- 1986 Jackson RW. Economic Impacts on Kane County of Introducing a Minor League "A" Baseball Team. Center for Governmental Studies Working Paper Number 86-01.
- Jackson RW and R Sechrist. Revised - NIU's Multi-Scale Regional Input-Output Model (MSRIOM) Operating Manual. Center for Governmental Studies Technical Memo No. 101.
- 1985 Jackson RW. The Economic Impacts of the Chicago World's Fair, 1992, Data Preparation and Impacts Assessment (data generation and provision, no accompanying text), Chicago World's Fair Authority.

Jackson RW. Input-Output Analysis: Assessing Regional Economic Impacts (mimeo). Center for Governmental Studies, Northern Illinois University.

Jackson RW and J Jarzab. Regional Impacts of Public Capital Investment: The O'Hare Rapid Transit Extension Project. Center for Governmental Studies Working Paper Number 85-07.

1984 Jackson RW. Distribution of Economic Impacts of Chrysler Activities. Center for Governmental Studies Working Paper Number 84-06.

1982 Hannon B, D Kennedy and RW Jackson. Energy, Employment, and Pollution Impacts Module Final Report with Energy Research Group (ERG), Research Document Number 324.

Jackson RW. The Derivation of Pollution coefficients: URGE Energy and Employment Impacts Module ERG Technical Memo Number 142.

Hannon B and RW Jackson. Energy and Employment Impacts Module Progress Report, ERG Research Document Number 322, September, 1981, also Chapter 5, First Year Progress Report of the Universities Research Group on Energy URGE.

1981 Jackson RW. Sectoring Relationships: 1972 BEA IO, 1979 BLS, and 88 Sector Energy Research Group. ERG Technical Memo Number 138.

1980 Jackson RW and DC Wilkin. Land-Use Contributions to In-Stream Constituent Loadings. Illinois Water Information System (IWIS) Report of Investigations Number 31.

Jackson RW. Relationships Between Land-Use and Chemical Quality of Illinois Streams. IWIS Report of Investigations Number 24.

1979 Jackson RW. An Application of Factor Analysis to Water Quality Data. IWIS Report of Investigations Number 21.

D. BOOK AND SOFTWARE REVIEWS

2004 Input-Output Analysis: Frontiers and Extensions, edited by ML Lahr and E Dietzenbacher, University of California, Irvine: Blackwell Publishing Inc., in *Journal of Regional Science*, Volume 43, pages 791-794.

1994 Elementary Statistics for Geographers, 2nd Edition, JBG Barber, Guilford Publications, Inc., pre-publication review.

1991 Remodelling Geography, edited by Bill Macmillan, Cambridge, Massachusetts: Basil Blackwell Inc. in *Journal of Regional Science*, Volume 31, pages 97-100.

1989 The Economics of Imperfect Competition, by ML Greenhut, G Norman and C Hung, London: Oxford Univ. Press, 1987, in *Economic Analysis and Policy*, Volume 19, pages 112-114.

Multiregional Input-Output Models in Long-Run Simulation, by N Toyomane, Norwell, Massachusetts: Kluwer Academic Press, 1988, in *Journal of Regional Science*, Volume 29, pages 116-118.

- 1988 Regional Population Projection Models, by A Rogers, Volume 4, Scientific Geography Series, Beverly Hills: Sage Publications, 1985, in *Annals of Regional Science*, Volume 22, Number 1, pages 124-125.

CAPCALC 85 Intersection Capacity Calculation Roger Creighton Associates, Inc., Delmar, New York, 1986, in *The Professional Geographer*.

E. DISSERTATION

- 1983 A Full Distribution Approach to Simulating the Industry Aggregate in the Input-Output Modeling Framework, Ph.D. Dissertation, University of Illinois, Urbana-Champaign.

F. RESEARCH RELATED ACTIVITIES

1. Conference and Seminar Papers and Presentations

- 2009 Choi, T, RW Jackson and NG Leigh. Constructing a Baseline Input-Output Model with Environmental Accounts (IO_{EA}). 48th Western Regional Science Annual Meeting, Napa, CA.

- 2008 Cooper, J, RW Jackson and NG Leigh. Modeling Regional Recycling and Remanufacturing Processes? From Micro to Macro. Annual Meeting of the Regional Science Association International, Brooklyn, NY.

Jensen, CD, RW Jackson, L Phares. The Regional Impacts of Increasing US Domestic Oil & Gas Production. Annual Meeting of the Regional Science Association International, Brooklyn, NY.

Jackson RW, T Choi and NG Leigh. Recycling and Re-Manufacturing in Input-Output Models. 47th Annual Meeting of the Southern Regional Science Association, Washington, DC.

- 2007 Gebremariam GH, TG Gebremedhin, PV Schaeffer, TT Phipps and RW Jackson. A Spatial Model of Regional Variations in Business Growth in Appalachia. Annual Meeting of the American Agricultural Economics Association, Portland, OR.

Gebremariam GH, TG Gebremedhin, PV Schaeffer, RW Jackson and TT Phipps. An Empirical Analysis of Employment, Migration, Local Public Services and Regional Income Growth in Appalachia, Annual Meeting of the American Agricultural Economics Association, Portland, OR.

Jackson RW and WR Schwarm. Issues in the Application of Interregional Commodity by Industry Modeling Frameworks. 54th Annual North American Meeting of the Regional Science Association International, Savannah, GA.

- Bekele GW and RW Jackson. Spatio-Economic Interdependency in Industry Clusters. Annual Meeting of the Association of American Geographers, San Francisco, CA.
- 2006 Schwarm WR and RW Jackson. Examining and Evaluating Aggregation Scale Effects on Interregional Commodity by Industry Trade Flow Estimates, 45th Annual Meeting of the Western Regional Science Association, Santa Fe, NM.
- 2005 Bekele GW and RW Jackson. Identifying Spatial Clusters of Industries: A Methodological Approach. 52nd Annual Meeting of the Regional Science Association International, Las Vegas, NV.
- Schwarm WR, RW Jackson and Y Okuyama. An Evaluation of Method for Constructing Commodity by Industry Flow Matrices. 44th Annual Meeting of the Southern Regional Science Association, Washington, DC.
- Hailu YG, TG Gebremedhin and RW Jackson. Assessing Demographic Changes and Income Inequalities: A Case Study of West Virginia, Southern Agricultural Economics Association Annual Meeting, Little Rock, AR.
- 2004 Jackson RW, F Giarratani and G Gruver. Agglomeration Economies in the Steel Industry. 51st Meeting of the Regional Science Association, International, Seattle, WA.
- Gebremariam G, TF Gebremedhin and RW Jackson. A Survey Data Analysis of Small Businesses in West Virginia, American Agricultural Economics Association Annual Meeting, Denver, CO.
- West GR and RW Jackson. Non-Linear Input-Output Models: Practicability and Potential. 43rd Annual Meeting of the Western Regional Science Association, Maui, HI.
- Jackson RW, W Schwarm, Y Okuyama and S Islam. A Method for Constructing Commodity by Industry Flow Matrices. 43rd Annual Meeting of the Southern Regional Science Association, New Orleans, LA.
- Jackson RW. Regional Research Institutes and their Future Mission. 43rd Annual Meeting of the Southern Regional Science Association, New Orleans, LA.
- 2003 Jackson RW, Y Okuyama and W Schwarm. Constructing Interregional Commodity-industry Accounts for US States. Bureau of Economic Analysis, Washington, DC.
- Jackson RW and GR West. Issues in Non-Linear Input-Output Modelling. 50th Meeting of the Regional Science Association International, Philadelphia, PA.
- Jackson RW and AT Murray. Approaches for IO Matrix Updating. Association of American Geographers, New Orleans, LA.
- 2002 Jackson RW and AT Murray. Minimizing inter-matrix distances: Alternative formulations. 49th Meeting of the Regional Science Association, International, Charleston, SC.

- Jackson RW. Constructing US Interregional SAMs from IMPLAN Data: Issues and Methods. Fourteenth International Conference on Input-Output Techniques, Montreal, Canada.
- Jackson RW and AT Murray. Alternative Formulations for Minimizing Inter-Matrix Distances. Fourteenth International Conference on Input-Output Techniques, Montreal, Canada.
- Jackson RW and AT Murray. Nonlinear Relative Dynamic Model for Regional Policy. Association of American Geographers, Los Angeles, CA.
- 2001 Jackson RW and DA Dzikowski. A Spatial Output Decomposition Method for Assessing Regional Economic Structure, Western Regional Science Association, Palm Springs, CA.
- 2000 Jackson RW and M Sonis. Regional Economic Forecasting: Nonlinear Dynamics, Uncertainty, and Comparative Advantage, Association of American Geographers, Pittsburgh, PA.
- Jackson RW. Simulating the Effects of Cross-hauling on Regional Economies, 48th North American Meeting of the Regional Science Association International, Chicago, IL.
- Thakur SK, AT Murray and RW Jackson. Evaluating the spatial distribution of Research and Development facilities in India, 48th North American Meeting of the Regional Science Association International, Chicago, IL.
- 1999 Jackson RW and M Sonis. Assessing the use of Nonlinear Relative Dynamic Models for Spatial Forecast Decomposition, 39th Meeting of the European Regional Science Association, Dublin, Ireland.
- Jackson RW and GR West. Comparing Output Solution Modules in a Coupled Econometric/Input-Output Model, 47th North American Meeting of the Regional Science Association, International, Montreal, Canada.
- Jackson RW and M Sonis. Nonlinear Dynamics and Comparative Advantage: Application to Regional Economic Forecasting, Association of American Geographers, Honolulu, HA.
- 1998 Jackson RW and M Sonis. Spatial Disaggregation of Regional Economic Forecasts, Seminar in Memory of Philip Israilevich. Chicago Federal Reserve Bank and the University of Illinois, Chicago, IL.
- Jackson RW and M Sonis. Allocating Aggregate Metropolitan Area Forecasts to Subregions: A Spatial Competition Approach, 46th North American Meeting of the Regional Science Association International, Santa Fe, NM.
- Mikelbank BA and RW Jackson. Equity vs. Efficiency: Public Capital Investment in Ohio, 1988-1992, East Lakes Division of the American Association of Geographers, Columbus, OH.

- Jackson RW. Issues in Urban and Regional Analysis, Urban Center of the Maxine Goodman Levin College of Urban Affairs. Cleveland State University, Cleveland, OH.
- Jackson RW. Comparing Output Solution Modules in a Coupled Econometric/Input-Output Model (Poster Session), Association of American Geographers, Boston, MA.
- 1997 Rey S and RW Jackson. Interindustry Employment Demand and Labor Productivity in Regional Econometric+Input-Output Models, 45th North American Meeting of the Regional Science Association International, Buffalo, NY.
- 1996 Jackson RW, BA Mikelbank, T Gabe and GR West. Comparing Two Output Solution Methods in a Coupled Econometric/Input-Output Model, 44th North American Meetings of the Regional Science Association International, Washington, D.C.
- Jackson RW and BA Mikelbank (presenter). The Distribution and Economic Impacts of Public Infrastructure Investments in Ohio, Association of American Geographers, Charlotte, NC.
- 1995 Jackson RW. Integrated Input-Output+Econometric Models, 43rd North American Meetings of the Regional Science Association International, Cincinnati, OH.
- Jackson RW. An Object-Oriented Model of a Quesnay-Type Production System, Association of American Geographers, Chicago, IL.
- 1994 Jackson RW. Object-Oriented Modeling in Geography and the Social Sciences, Association of American Geographers, San Francisco, CA.
- 1992 Jackson RW. An Object-Oriented Approach to Assessing Model Sensitivity in Regional Economic Systems, 39th North American Meeting of the Regional Science Association International, Chicago, IL.
- Rayner JN and RW Jackson. Object-oriented Design Applied in Geography, Association of American Geographers, San Diego, CA.
- Jackson RW. Regional Variation in Production Structure. Association of American Geographers, San Diego, CA.
- 1991 Jackson RW and JC Comer. An Alternative to Aggregated Base Tables in Input-Output Regionalization, 39th North American Meetings of the Regional Science Association International.
- 1990 Jackson RW. Regional Accounts for Substate Areas, The Conference on Cities of the 1990's, Ohio Board of Regents' Urban Universities Program, Deer Creek, OH.
- Jackson RW and P Israilevich. Distributions of Input-Output Coefficients. 37th North American Regional Science Meetings, Boston, MA.
- Jackson RW. Census Content of Bureau of Economic Analysis Input-Output Data, Association of American Geographers, Toronto, Canada.

- 1989 Jackson RW and P Israilevich. Distributions of Input-Output Coefficients: Preliminary Findings, 36th North American Meeting of the Regional Science Association International, Santa Barbara, CA.
- Jackson RW. Regional Economic Structure: Error Analysis, Change, Inverse Sensitivity. The Burn Conference on Regional and Interregional Input-Output Modeling, Edzell, Scotland, UK.
- Jackson RW. Regional Accounts for the Columbus Metropolitan Area, Association of American Geographers, Baltimore, MD.
- Jackson RW. Integrated Interregional Input-Output Models for the Midwestern Economy, The Department of Geography, Indiana University, Bloomington, IN.
- 1988 Jackson RW, P Rogerson, B OhUallachain and D Plane. A Causative Matrix Approach to Interpreting Structural Change, 35th North American Meeting of the Regional Science Association International, Toronto, Canada.
- Jackson RW. Directions in Probabilistic Input-Output Analysis, International Conference on Regional Input-Output Modeling. National Science Foundation and West Virginia University, Morgantown, WV.
- Jackson RW. Regional Input-Output Models for Planning and Analysis, School of Public and Environmental Affairs, Indiana University, Bloomington, IN.
- Jackson RW. Spatial Variation in Production: Modeling Implications, Department of Geography, Indiana University, Bloomington, IN.
- Jackson RW. Probabilistic Input-Output Analysis: Modeling Directions, Association of American Geographers, Phoenix, AZ.
- 1987 Jackson RW. Research Directions in Probabilistic Input-Output Analysis, American-Bulgarian Seminar on Regional Economic Development and Environmental Management. National Science Foundation and West Virginia University, Morgantown, WV.
- Jackson RW. New Directions in Input-Output Analysis, Pacific Workshop on Input-Output Methods, University of Queensland, Brisbane, Australia.
- Jackson RW. Conjoining Interindustry and Ownership Data: An Empirical Example, Association of American Geographers, Portland, OR.
- 1986 Jackson RW and GR West. Perspectives on Probabilistic Input-Output Analysis. 33rd North American Meeting of the Regional Science Association International, Columbus, OH.
- Jackson RW. An Input-Output Method for Measuring the Impacts of External Economic Ownership, British Section Regional Science Association International, Bristol, England.

- Jackson RW. On Measuring the External Control of Regional Interindustry Transactions. Association of American Geographers, Minneapolis, MN.
- Jackson RW. Interindustry Modeling of Regional Economic Dependency. Pittsburgh Conference on Modeling and Simulation, Pittsburgh, PA.
- 1985 Jackson RW. Population Characteristics of Industry Aggregates: Toward a Theoretical Framework. 32nd North American Meeting of the Regional Science Association International, Philadelphia, PA.
- Jackson RW. Regional Impacts of Public Capital Investment: The O'Hare Rapid Transit Extension Project. West Lakes Division, Association of American Geographers, DeKalb, IL.
- Jackson RW. Scale, Scope, and Key Sector Identification. Eighth Annual Applied Geography Conference, Denton, TX.
- Jackson RW. The Production Process: Space, Time, and the Industry Aggregate, Department of Geography and the Regional Research Institute, West Virginia University, Morgantown, WV.
- Jackson RW and GJD Hewings. Micro-to-Macro Modeling of Regional Economic Systems, Scientific Geography Conference, Athens, GA.
- Jackson RW. Scale, Scope, and Aggregation: Underlying Issues in Geographic Research, Social Science Research Institute, Northern Illinois University, DeKalb, IL.
- 1984 Jackson RW. Northern Illinois University's Input-Output Modeling Capability, Chicago Conference on Economic Models, sponsored by the University of Chicago, Chicago, IL.
- Jackson RW. Corporate Dominance: A Measurement Alternative, Mid-Continent Regional Science Association, Chicago, IL.
- Jackson RW and GJD Hewings. Structural Change in a Regional Economy: An Entropy Decomposition Approach, Pittsburgh Conference on Modeling and Simulation, Pittsburgh, PA.
- Jackson RW. The Full Distribution Approach to Aggregate Representation in the Input-Output Framework. Department of Geography, University of Wisconsin, Madison, WI.
- 1983 Jackson RW. Full Distribution Coefficients in the IO Framework: A Simulation, 30th North American Meeting of the Regional Science Association International, Chicago, IL.
- Jackson RW. A Distributional Perspective on Regional Technical Coefficients, Association of American Geographers, Denver, CO.
- 1982 Jackson RW. Augmenting the Informational Content of Macroeconomic Variables and Accounting Frameworks by Employing Microeconomic Data and Assumptions, Association of American Geographers, San Antonio, TX.

1980 Jackson RW. The Capability of Measures of Industrial Diversity to Predict Regional Economic Stability, Mid-Continent Regional Science Association, Lincoln, NB.

2. Other Activities

- Moderator, Appalachian Regional Commission/Regional Research Institute Forum on Appalachia's Technology Assets and Opportunities, West Virginia University, Morgantown West Virginia, August 22, 2002
- Numerous Conference Sessions Chaired and Organized
- Papers reviewed for:
Regional Studies, Journal of Regional Science, International Regional Science Review, Professional Geographer, Papers of the Regional Science Association, Geographical Analysis, Geography Research Forum, Environment and Planning, A, Annals of the Association of American Geographers, International Economic Review, Urban Geography, Growth and Change, Annals of Regional Science, Economic Development Quarterly, Journal of Economic Development, Australasian Journal of Regional Studies, Economic Systems Research
- Proposals reviewed for:
National Science Foundation

II. INSTRUCTIONAL ACTIVITIES

- 1995 Unpublished instructional monograph entitled "Input-Output Analysis: A Primer"
1990 Interactive Geographical Software on Vön Thunen Land Use, The Ohio State University
1985 Unpublished instructional monograph entitled "Input-Output Analysis: Assessing Regional Economic Impacts"

III. PROFESSIONAL SERVICE

A. External Professional Activities

- 1999 Program Committee, 14th International Conference on Input-Output Techniques, Macerata, Italy, August 2000
1998 – 2000 Ohio Peer Group, professional review of State-wide Modeling project for the Ohio Department of Transportation
1998 Urban Research Forum, Panel convened to identify the dimensions of the subsequent National Science Foundation Urban Research Initiative, National Science Foundation and American University, Washington, D.C.
1996 – 1998 National Science Foundation, Member, Dissertation Improvement Advisory Panel, Washington, D.C.
1995 Judge, Ohio Geography Bee
1994 University Consortium for Geographic Information Science, Founders Meeting Participant, Boulder, CO.

1991, 1993 National Science Foundation, Panel Member - Scientific Database Initiative - Division of Information, Robotics, and Intelligent Systems, Washington, D.C.

B. Positions within Professional Organizations

2009 – 2010 President-elect, Southern Regional Science Association
2006 – Present Advisory Council, Purdue Center for Regional Development
2005 – 2008 Council Member, Southern Regional Science Association
2006 – Present Board of Directors, Western Regional Science Association
2006 Chair, North American Regional Science Association
2004 – 2006 Council Member, North American Regional Science Council
1997 – 2000 Council Member, Regional Science Association International
1996 – 1998 Board of Directors, Mathematical Models & Quantitative Methods
Specialty Group of the Association of American Geographers
1988 – 1990 Board of Directors, Industrial Geography Specialty Group of the Association of American Geographers

C. Editorial Activity

2009 – 2012 Editorial Board, *International Regional Science Review*
2007 – Present Editorial Board, *Review of Regional Studies*
2006 – Present Editorial Board, *Letters in Spatial and Resource Sciences*
2001 – Present Executive Committee, *Geographical Analysis*
2001 – Present Associate Editor, *Journal of Regional Science*
1998 – 2007 Web Page Maintenance, Regional Science Association Intn'l
1997 – 2003 Editor, Regional Science Association Newsletter
1997 – 2000 Editor, Regional Science Association International Newsletter
1997 – 2000 Editorial Board, *Professional Geographer*
1997 – 1998 Editorial Board, *Papers in Regional Science*
1995 – Present Editorial Board, *Geographical Analysis*
1995 – Present Editorial Board, *Australasian Journal of Regional Science*
1989 Guest Co-editor, *International Regional Science Review*
1989 Guest Co-editor, *Socio-Economic Planning Sciences*

IV. MEMBERSHIPS

Association of American Geographers
Regional Science Association International
International Input-Output Association

V. AWARD

The David E. Boyce Award for distinguished service to the field of regional science, presented at the annual meeting of the Regional Science Association International, Savannah, GA, November 2007.