

Randall W. Jackson

Teaching Interests:

Economic Geography
Theory & Methods of Regional Economic Analysis
Research Methods
Quantitative
Writing: Abstracts, Critiques, Papers, Proposal

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Award:

The 2007 David E. Boyce Award for distinguished service to the field of regional science

Key Statistics:

- Number of Refereed Publications: **49**
- Number of conference papers: **79**
- Number of Competitive Grants: **38**
- Value of Competitive Grants: **\$2.71 million**

Professional Memberships:

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

Present Appointments:

Professor of Geography, West Virginia University
Director, Regional Research Institute, West Virginia University
President-elect, Southern Regional Science Association

Adjunct Appointments:

Professor, Economics, University of Pittsburgh
Professor, Geography, The Ohio State University
Professor, Economics, West Virginia University
Professor, Resource Management, West Virginia University
Education: Ph.D., Geography, University of Illinois at Urbana-Champaign

Research Interests: regional economic development, technological change, industrial clustering, steel industry dynamics, interregional trade, regional econometric/ input-output modeling, and socioeconomic energy and environmental systems simulation.

Selected Funded Research Grants:

- ARC** /Appalachian Assessment of Natural Assets: Water. (\$248,150) 2009-2010
- ARC** Planning and Financing Energy Efficient Infrastructure. (\$49,691) 2009-2010
- NSF** Materials Flow Modeling in Sustainable Industrial Systems within Urban Centers. (\$98,773) 2006-2011
- DOE/NETL** Impact Forecasting thru Econometric IO Model. (\$104,118) 2009
- DOE/NETL** Economic Impact of Domestic Fossil-based Resources. \$126,631) 2009
- DOE/NETL** National and State Economic Impact of NETL. (\$84,311) 2009
- EDA** Collaborative Research: Performance Measurement and Asset Mapping of Regional Innovation Systems in the United States. \$192,647) 2008-2009
- USDA** Collaborative Research: Evaluation without Bias: New Performance Measures for Business incubators in Rural America. (\$499,965) 2008-2010
- DOE/NETL** Valuing Domestically Produced Natural Gas & Oil. (\$106,940) 2007
- NETL** Models of Energy Futures and NETL's Local/Regional Economic and Environmental Impact (\$74,995) 2006
- NSF** Constructing Interregional Commodity-Industry Accounts for US States, (\$99,995) 2003
- Alfred Sloan Foundation** An Analysis of Industry Clusters Related to the Advent of Thin-slab Casting (\$83,719) 2002
- Ohio Dept. of Transportation** Ohio Statewide Travel Demand Forecasting Model (\$156,711) 2000
- Ohio State University** Instructional Computing Laboratory Enhancement (\$108,000) 1997
- NSF** Acquisition of a Departmental Research Network for the Analysis of Spatial Data (\$114,658) 1995
- Bank One** Ohio Economic Forecasting Project (\$75,000) 1994
- NSF** Distribution of Input-Output Coefficients and Probabilistic Input-Output Models (\$64,498) 1989

Book Chapters:

- Jackson RW** and K Haynes (2008). Methods: Shift-Share Analysis. In *International Encyclopedia of Human Geography*, Volumes 1-12, eds. N Thrift and R Kitchin, Elsevier.
- Jackson RW** and DA Dzikowski (2002). 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, pp. 315-328.
- Jackson RW** (2001). 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, pp 323-344.

Jackson RW (1984). An Evaluation of Alternative Measures of Regional Industrial Diversification. *Regional Studies*, 18,2: 103-112. Reprinted in *Modern Classics in Regional Science*, Edited by N Hansen, KJ Button, P Nijkamp.

Jackson RW and GR West (1989). 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, pp. 209-221.

Selected Refereed Journal Articles:

- Cheng, S, RR Stough and **RW Jackson** (2009). Measuring and Building High-Quality Entrepreneurship: A Research Prospectus. *The European Journal of Social Science Research*, 10,2 (forthcoming).
- Hailu YG, TG Gebremedhin and **RW Jackson** (2009). A Regional Economic Analysis of the Links between Income Inequality and Economic Growth: Evidence from West Virginia Data. *Journal of Income Distribution*, 18,1: 130-145.
- Giarratani, F, G Gruver and **RW Jackson** (2007). Clusters, Agglomeration, and Economic Development Potential: Empirical Evidence Based on the Advent of Slab Casting by U.S. Steel Minimills. *Economic Development Quarterly*, 21, 2: 148-164.
- Giarratani F, G Gruver and **RW Jackson** (2006). Plant Location and the Advent of Slab Casting by U.S. Steel Minimills: An Observation-Based Analysis. *Economic Geography*, 82, 4: 401-419.
- Jackson RW**, WR Schwarm, Y Okuyama and S Islam (2006). A Method for Constructing Commodity by Industry Flow Matrices. *Annals of Regional Science*, 40, 4: 909-920.
- Schwarm WR, **RW Jackson** and Y Okuyama (2006). An Evaluation of Method for Constructing Commodity by Industry Flow Matrices. *The Journal of Regional Analysis & Policy*, 36,1: 84-93.
- Hailu YG, TG Gebremedhin and **RW Jackson** (2005). Assessing Demographic Changes and Income Inequalities: A Case Study of West Virginia. *Journal of Agricultural and Applied Economics* 37, 1.
- Jackson RW** and AT Murray (2004). Alternate Input-Output Matrix Updating Formulations. *Economic Systems Research*, 16, 2: 135-148.
- Healy R and **RW Jackson** (2003). Competition & Complementarity in Local Economic Development. *Studies in Regional & Urban Planning*, 9: 21-49.
- Jackson RW** and M Sonis (2001). On the Spatial Decomposition of Forecasts. *Geographical Analysis*, 33,1: 58-75.
- Mikelbank BA and **RW Jackson** (2000). The Role of Space in Public Capital Research. *International Regional Science Review*, 23,3: 235-258.
- Mikelbank BA and **RW Jackson** (1999). Equity vs Efficiency: Public Capital Investment in Ohio, 1988-1992. *The Professional Geographer* 51,2: 196-209.
- Rey S and **RW Jackson** (1999). Interindustry Employment Demand and Labor Productivity in Regional Econometric+Input-Output Models. *Environment and Planning A*, 31: 1583-1599.
- Jackson RW** (1998). Regionalizing National Commodity-by-Industry Accounts. *Economic Systems Research*, 10,3: 223-238.