

Conference Program 2008

See you at the 48th SRSA Annual Meeting in San Antonio, TX April 2-4, 2009





Program Chair: John Connaughton University of North Carolina-Charlotte jec@uncc.edu

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Nancy E. White-Bucknell University

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Fellows

Walter Isard Edgar S. Dunn William H. Miernyk Lowell D. Ashby Rutledge Vining F. Stuart Chapin, Jr. Charles L. Leven William A. Schaffer Niles M. Hansen Brian Berry James Hite John H. Cumberland Thomas Johnson Mark S. Henry Hugh Knox Henry (Chip) Herzog David Barkley

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PLEASE VISIT THE EXHIBITS IN THE ADAMS ROOM



47th SRSA Annual Meeting: Program Overview

THURSDAY, MARCH 27

8:30 A.M.-12:00 P.M.

NRE 1029 Business Meeting (by invitation): Francis Scott Key Salon A

2:00 P.M.-6:00 P.M.

Registration: Adams

4:15 P.M.—5:30 P.M.

Session 1A: Regional Economic and Income Analysis: Francis Scott Key Salon A Session 1B: Human Capital and Labor Markets: Francis Scott Key Salon B

7:00 P.M.-9:00 P.M.

SRSA Executive Council Meeting (by invitation): Capital View Ballroom

Friday, March 28

8:30 A.M.—10:00 A.M.

Session 2A: Land Use and Land Use Policy and Regulation: Madison Session 2B: Government, Taxation, and Public Services I: Jackson Session 2C: Sprawl, Metropolitan Growth, and Efficiency: Georgetown A Session 2D: Methods of Applied Regional Analysis I: Georgetown B Session 2E: Spatial and Institutional Factors Impacting Rural Health I: Washington Session 2F: NE-1029 Regional Project I: Studies in Rural Economic Growth and Development: Georgetown C

10:15 A.M.—10:30 A.M.

Coffee Break: Adams

10:30 A.M.—12:15 P.M.

Session 3A: Housing: Jackson Session 3B: Regional Industry Studies: Georgetown A Session 3C: Culture, Entrepreneurship, and Development I: Madison Session 3D: Methods of Applied Regional Analysis II: Georgetown B Session 3E: Spatial and Institutional Factors Impacting Rural Health II: Washington Session 3F: NE-1029 Regional Project II: Topics in Public Finance and Targeted Economic Development: Georgetown C

12:30 P.M.—1:45 P.M.

Awards Luncheon: Capital View Ballroom

Award of SRSA Fellow Plaque to David Barkley and to Chip Herzog

SRSA Fellow's Address by David Barkley, Clemson University: "Evaluations of Regional Competitiveness: Making a Case for Case Studies"

2:00 P.M.—3:45 P.M.

Session 4A: The Economic Impact of Universities I, sponsored by AUBER: Georgetown A

Session 4B: Migration and Public Policy: Washington Session 4C: Culture, Entrepreneurship, and Development II: Georgetown C

Session 4D: Methods of Applied Regional Analysis III: Madison

Session 4E: Spatial and Institutional Issues Facing Rural Health III: Georgetown B

Session 4F: Government, Taxation, and Public Services II: Jackson

3:45 P.M.—4:00 P.M.

Coffee Break: Adams Sponsored by CMAT

4:00 P.M.—6:00 P.M.

Session 5A: The Economic Impact of Universities II, sponsored by AUBER: Georgetown A Session 5B: Migration and Labor Markets: Washington Session 5C: Local Food Systems I: Madison Session 5D: Methods of Applied Regional Analysis IV: Georgetown B Session 5E: Spatial and Institutional Issues Facing Rural Health IV: Jackson Session 5F: Rural Development: Georgetown C

6:30 P.M.—8:30 P.M.

Reception: Francis Scott Key Ballroom

SATURDAY, MARCH 29

8:30 A.M.—10:00 A.M.

Session 6A: Spatial Price and Cost of Living I: Georgetown A Session 6B: Innovation, Productivity, and Economic Performance I: Georgetown B Session 6C: Culture, Entrepreneurship, and Development III: Washington Session 6D: Special Issues in Migration Research: Georgetown C Session 6E: Regional Unemployment Dynamics: Madison Session 6F: Social Issues in Urban and Regional Development I: Jackson

10:15 A.M.—10:30 A.M.

Coffee Break: Adams

10:30 A.M.-12:15 P.M.

Session 7A: Spatial Price and Cost of Living II: Georgetown A Session 7B: Transportation I: Georgetown B Session 7C: Undesirable Events: Impact, Recovery, and Prevention: Washington Session 7D: Innovation, Productivity, and Economic Performance II: Georgetown C Session 7E: Social Policy: Madison Session 7F: BEA Session I: Jackson

12:30 P.M.-1:45 P.M.

Presidential Luncheon and SRSA Business Meeting: Potomac Ballroom

Nancy E. White, Bucknell University, SRSA President's Address: "Personal Perspectives on Amenities and Migration"

2:00 P.M.—3:45 P.M.

Session 8A: Spatial Price and Cost of Living Session III: Georgetown A

Session 8B: Transportation II: Georgetown B

Session 8C: Aspects of Firm and Industry Performance: Madison

Session 8D: Regional Development Trends in China: Georgetown C

Session 8E: Environment, Natural Resources, and Regional Development: Madison Session 8F: BEA Session II: Jackson

3:45 P.M.—4:00 P.M.

Coffee Break: Adams

4:00 P.M.-6:00 P.M.

Session 9A: Environmental, Natural, and Human Resources in Regional Development. *Includes Presentation of this Year's B.M. Moriarty Award Winning Paper*: Madison Session 9B: Human Capital and Income Inequality: Jackson Session 9C: Local Food Systems II: Georgetown A Session 9D: Social Issues in Urban and Regional Development II: Washington Session 9E: Environmental Issues: Georgetown B Session 9F: BEA Session III: Georgetown C

6:00 P.M.

47th SRSA Annual Meeting Ends

SRSA Program

THURSDAY, MARCH 27

8:30 A.M.—12:00 P.M.

NRE 1029 Business Meeting (by invitation): Francis Scott Key Salon B

2:00 P.M.-6:00 P.M. Adams

Registration: Adams

4:15 P.M.—5:30 P.M.

Session 1A: Regional Economic and Income Analysis: Francis Scott Key Salon A Chair: Brian Cushing, West Virginia University

Chair: Brian Cushing, West Virginia University

Natural and Recreational Amenities and Rural Economic Growth in the Northeast U.S.: A Spatial Simultaneous Equations Approach Mulugeta S. Kahsai, Tesfa G. Gebremedhin, and Peter V.

Mulugeta S. Kahsai, Tesfa G. Gebremedhin, and Peter V. Schaeffer, West Virginia University

Discussant: George D. Santopietro, Radford University

Finding the Value of Place in an Analysis of a Fishery George D. Santopietro, Radford University Discussant: Peter V. Schaeffer

Session 1B: Human Capital and Labor Markets: Francis Scott Key Salon B Chair: Kingsley E. Haynes, George Mason University

The Behavior of Wages per Job in Sub-State Regions of the Upper South and the Lower Midwest J. Frank O'Connor, Eastern Kentucky University Discussant: Kingsley E. Haynes, George Mason University

Spatial Shift-share Analysis and Regional Disparity in China

Huaqun Li and Kingsley E. Haynes, George Mason University

Discussant: J. Frank O'Connor, Eastern Kentucky University

7:00 P.M.—9:00 P.M.

SRSA Executive Council Meeting (by invitation): Capital View Ballroom

FRIDAY, MARCH 28

8:00 A.M.—5:00 P.M.

Registration: Adams

8:30 A.M.—10:00 A.M.

Session 2A: Land Use and Land Use Policy and Regulation: Madison

Chair: Seong-Hoon Cho, University of Tennessee-Knoxville

A Suitable Structure of Policy Arguments for Lens Model: A Case of LLRW Final Disposal in Taiwan Ning Chang, I-Shou University, Taiwan Discussant: Christa Jensen, West Virginia University

Zoning Objectives and Consequential Necessity Christa Jensen, West Virginia University Discussant: Terrance J. Rephann, University of Virginia

Spatial Analysis in Veterans Cemeteries Location Terrance J. Rephann, University of Virginia Discussant: Seong-Hoon Cho, University of Tennessee-Knoxville

Forecasting the Effects of Zoning on Housing Prices Seong-Hoon Cho, Dayton M. Lambert, Ji Young Kim, University of Tennessee-Knoxville Discussant: Ning Chang, I-Shou University, Taiwan

Session 2B: Government, Taxation, and Public Services I: Jackson

Chair: Cynthia Rogers, University of Oklahoma

Tax Exempt Tribal Retail Sales: A Comparative Static CGE Analysis of the Municipal Level Impact Mark C. Snead, Oklahoma State University, and Steven R. Miller, Michigan State University Discussant: John Sporing, Jr., Bureau of Economic Analysis

Monetary Union and Inflation Tax Competition Ali Sina Onder, Vanderbilt University Discussant: Cynthia Rogers, University of Oklahoma

Local Option Sales Tax Elasticity: Why the Implementing Level Matters

Greg Burge and Cynthia Rogers, University of Oklahoma Discussant: Steven R. Miller, Michigan State University Session 2C: Sprawl, Metropolitan Growth, and Efficiency: Georgetown A

Chair: Georg Grassmueck, Lycoming College

Growth Management Programs, Roadway Construction, and Sprawl

Michael L. Lahr and Rodrigo Duran, Rutgers, The State University of New Jersey

Discussant: Georg Grassmueck, Lycoming College

An Efficiency Analysis of Nevada and Utah Counties: Region Size Leads Regional Efficiency

Man-Keun Kim and Thomas R. Harris, University of Nevada-Reno

Discussant: Michael L. Lahr, Rutgers, The State University of New Jersey

The Employment Effects of City-County Consolidation Dagney Faulk, Eric Schansberg, and Danielle Doughlin, Indiana University Southeast Discussant: Thomas P. Harris, University of Nevada

Discussant: Thomas R. Harris, University of Nevada-Reno

Government Fragmentation and Urban Sprawl Georg Grassmueck, Lycoming College Discussant: Dagney Faulk, Indiana University Southeast

Session 2D: Methods of Applied Regional Analysis I: Georgetown B

Chair: Olivier Parent, University of Cincinnati

A Spatial Econometric Examination of County-level Commuting to Work Times.

Dustin Kirby and James LeSage, Texas State University-San Marcos

Discussant: Olivier Parent, University of Cincinnati

Regional Economies as Complex Systems: A Look at Regional Growth Models through the Lens of Complexity Theory

Claudia C. Pharis, Catalyst Institute for Applied Policy Discussant: James Le Sage, Texas State University-San Marcos

Modeling and Estimation Issues in Spatial Simultaneous Equations Models

Gebremeskel H. Gebremariam, Virginia Tech Discussant: James LeSage, Texas State University-San Marcos

Spatial and Time Correlation Using Panel Data with Random Effects

Olivier Parent, University of Cincinnati

Discussant: Gebremeskel H. Gebremariam, Virginia Tech

Session 2E: Spatial and Institutional Factors Impacting Rural Health I: Rural Health Insurance Issues: Washington

Organizers: Matthew Fannin, Louisiana State University and Paul McNamara, University of Illinois at Urbana-Champaign

Chair: Jayasree Basu, Agency for Healthcare, Research and Quality

Provision of Employer-Sponsored Health Care in Small Businesses: Does Rural Matter?

Martin Shields and Dave Mushinski, Colorado State University, and Lisa Davis, Pennsylvania State University Discussant: Matt Fannin, Louisiana State University

Demand for Health Insurance among Farm Families in the South: A Spatial Analysis

Ashok Mishra and Krishna Paudel, Louisiana State University, and Robert Williams, USDA–Economic Research Service

Discussant: Jayasree Basu, Agency for Healthcare, Research and Quality

Considerations in Farmers' Work Choices: The Role of Health Insurance

Mary Ahearn and Hisham El-Osta, USDA–Economic Research Service

Discussant: Brooklynn Anderson, Mississippi State University

Session 2F: NE-1029 Regional Project I – Studies in Rural Economic Growth and Development, Georgetown C

Organizer and Chair: Mitch Renkow, North Carolina State University

Explaining Spatial Variation in Returns to Self-Employment: Wal-Mart vs. Starbucks, or Schumpeter vs. Putnam

Stephan J. Goetz and Sundar S. Shrestha, Pennsylvania State University

Discussant: Mark Henry, Clemson University

Effects of Microbusinesses on U.S. Regional Economic Growth

Sarah Larochelle, James C. McConnon, Jr. and Todd Gabe, University of Maine

Discussant: Peter Stenberg, USDA-Economic Research Service

Urban Footprints in Rural Canada: Employment Spillovers by City Size

Kamar Ali, M. Rose Olfert, University of Saskatchewan, and Mark D. Partridge, The Ohio State University Discussant: Thomas G. Johnson, University of Missouri

Spatial Variations in the Role of Microenterprises in Rural Economic Growth and Development Steven Deller, University of Wisconsin-Madison Discussant: David Barkley, Clemson University

10:15 A.M.—10:30 A.M.

Coffee Break: Adams

10:30 A.M.-12:15 P.M.

Session 3A: Housing: Jackson Chair: David A. Vandenbroucke, U.S. Department of Housing and Urban Development

Keeping up with the Joneses: Testing the Importance of Relative Status Using Spatial Hedonic Analysis Susane Daniels, West Virginia University Discussant: David A. Vandenbroucke, U.S. Department of Housing and Urban Development

Market Equilibrium and Spatial Variability in the Value of Housing Attributes

Seong-Hoon Cho and Seung Gyu Kim, University of Tennessee-Knoxville

Discussant: David E. Clark, Marquette University

Choosing Residence in Bogota: Time versus Stigma J. Sebastian Leguizamon, West Virginia University Discussant: Seung Gyu Kim, University of Tennessee-Knoxville

The Improved Sausage Machine, or American Housing Survey Metropolitan Zones

David A. Vandenbroucke, U.S. Department of Housing and Urban Development

Discussant: J. Sebastian Leguizamon, West Virginia University

Session 3B: Regional Industry Studies: Georgetown A Chair: Randall W Jackson, West Virginia University

The Spatial and Organizational Evolution of Markets for Wood Products in the Southern United States James Barnes and Mike Dunn, Louisiana State University Discussant: Randall W Jackson, West Virginia University

A Regional Industry Mix-Approach for Applied Industry Cluster Analysis

Henry Renski, University of Massachusetts, Amherst Discussant: James Barnes, Louisiana State University

Determinants of Productivity Differences Across Metro Areas for Manufacturing Industries

James A. Kurre and Edward R. Miseta, Pennsylvania State University, Erie

Discussant: Henry Renski, University of Massachusetts, Amherst

Recycling and Re-manufacturing in Input-Output Models Randall W Jackson, West Virginia University, Taelim Choi, Georgia Institute of Technology, and Nancey Green Leigh, Georgia Institute of Technology

Discussant: Justin Ross, West Virginia University

Session 3C: Culture, Entrepreneurship, and Development I: Madison

Chair: Sarah A. Low, University of Illinois at Urbana-Champaign

Business Cycle, Industrial Composition, or Regional Advantage? A Decomposition Analysis of New Firm Formation in the United States

Shaoming Cheng, West Virginia University Discussant: Sarah A. Low, University of Illinois at Urbana-Champaign

An Analysis of the Determinants of High Technology Entrepreneurship

Ryan Sutter, George Mason University Discussant: Mark Partridge, Ohio State University

Regional Employment Risk, Returns, and Entrepreneurship

Emily Bonner, Colorado State University, Sarah A. Low, University of Illinois at Urbana-Champaign, and Stephan Weiler, Colorado State University

Discussant: Uma Kelekar, George Mason University

Session 3D: Methods of Applied Regional Analysis II: Georgetown B

Chair: Mark L. Burkey, North Carolina A&T State University

An Index Approach to Measuring Variations in County Economic Growth

Clifford A. Lipscomb and Rinas V. Kashbrasiev, Valdosta State University

Discussant: Mark Henry, Clemson University

Valuing Community Attributes in Rural Counties of West Virginia: An Application of Data Envelopment Analysis Maribel N. Mojica, Tesfa G. Gebremedhin, and Peter V. Schaeffer, West Virginia University Discussant: Todd Gabe, University of Maine

Measuring Accessibility and Locational Efficiency: New Tools for Economic Geography

Mark L. Burkey, North Carolina A&T State University Discussant: Clifford A. Lipscomb, Valdosta State University

Session 3E: Spatial and Institutional Factors Impacting Rural Health II: Patient Choice in Rural Areas: Washington

Organizers: Matthew Fannin, Louisiana State University and Paul McNamara, University of Illinois at Urbana-Champaign

Chair: Ashok Mishra, Louisiana State University

Factors Affecting Hospital Choice for Rural Iowa Residents

Kanlaya Jintanakul and Dan Otto, Iowa State University Discussant: Garen Evans, Mississippi State University

Impact of Local Resources on Hospitalization Patterns of Medicare Beneficiaries and Propensity to Travel Outside Local Markets

Jayasree Basu, Agency for Healthcare Research and Quality and Lee R. Mobley, RTI International Discussant: Ashok Mishra, Louisiana State University

Reasons for Use of Out-of County Healthcare Facilities in the Mississippi Delta

Brooklynn J. Anderson, Mississippi State University Discussant: Jebaraj Asirvatham, University of Illinois Urbana-Champaign

Measuring Access to Rural Hospitals: A Patient Preference-Based Approach Applied to Rural Illinois Paul E. McNamara, University of Illinois at Urbana-Champaign

Discussant: Martin Shields, Colorado State University

Session 3F: NE-1029 Regional Project II – Topics in Public Finance and Targeted Economic Development: Georgetown C

Organizer and Chair: Mitch Renkow, North Carolina State University

Cyclical Deficits and State General Fund Revenue Forecasts: A Case Study of Idaho, 1998-2010 Stephen C. Cooke, University of Idaho Discussant: Tom Harris, University of Nevada-Reno

Do Wisconsin Tax Increment Finance Districts Contribute to Sprawl?

Mark Skidmore, Michigan State University, David Merriman, University of Illinois at Chicago, and Russ Kashian, University of Wisconsin-Whitewater Discussant: Judith Stallman, University of Missouri-Columbia

Brownfield Redevelopment and Rebounding Neighborhood Property Prices: Four Case Studies Warren P. Kriesel, The University of Georgia Discussant: Alison Davis, University of Nevada-Reno

continued on next page

Targeting Regional Economic Development: An Outline of a National Extension Educational Program or: TRED: A How-To Guide

Stephan Goetz, Pennsylvania State University, Steven Deller, University of Wisconsin, and Tom Harris, University of Nevada-Reno

Discussant: Dawn Thilmany, Colorado State University

12:30 P.M.-1:45 P.M.

Awards Luncheon: Capital View Ballroom

Award of SRSA Fellow Plaque to David Barkley and to Chip Herzog

SRSA Fellow's Address by David Barkley, Clemson University, SRSA Fellow:

Evaluations of Regional Competitiveness: Making a Case for Case Studies

2:00 P.M.—3:45 P.M.

Session 4A: The Economic Impact of Universities I: Georgetown A

Sponsored by the Association for University Business and Economic Research (AUBER)

Organizers: James A. Kurre, Penn State Erie and President, AUBER

Chair: Zoë O. Ambargis, U.S. Bureau of Economic Analysis

A Multi-institutional Approach to Measuring Higher Education's Economic Impact: A Case Study of Abilene, Texas

Monty L. Lynn, Abilene Christian University and John A. Hill, Hardin-Simmons University Discussant: Jan Crispin, University of Utah

A Review of the Methodology of the Economic Contributions of Northern Arizona University to the State of Arizona John D. Eastwood, Wayne R. Fox, and Ronald J. Gunderson, Northern Arizona University

Discussant: Monty L. Lynn, Abilene Christian University

Economic Impact of Utah's Research Universities Jan Crispin, University of Utah

Discussant: Ronald J. Gunderson, Northern Arizona University

Session 4B: Migration and Public Policy: Washington

Organizer: Brian Cushing, West Virginia University Session Chair: Steven C. Deller, University of Wisconsin-Madison

The Tiebout-Tullock Hypothesis Revisited with Contemporary Data

Richard J. Cebula, Armstrong Atlantic State University Presented by Nancy E. White, Bucknell University Discussant: Nancy E. White, Bucknell University

Do People Really Vote with Their Feet? A Spatial Econometric Analysis of MSA to MSA Migration Flows Todd M. Nesbit and Kerry A. King, Penn State Erie, and Randall A. Childs, West Virginia University Discussant: James LeSage, Texas State University-San Marcos

Who Wins From Local Economic Development? A Supply Decomposition of U.S. County Employment Growth

Mark D. Partridge, Ohio State University, Dan S. Rickman, Oklahoma State University, and Hui Li, Oklahoma State University

Discussant: Robert R. Dunn, West Virginia University

Session 4C: Culture, Entrepreneurship, and Development II: Georgetown C

Chair: Peter V. Schaeffer, West Virginia University

The Effect of Location in the Plantation Belt and Poverty in Adjacent Counties on Persistent Poverty in Georgia Counties: 1969-1999

TracyAnn Henry and William Levernier, Georgia Southern University

Discussant: Dale Yi, Michigan State University

Local Impacts of Tourism: A Demand-Threshold Approach

Todd Gabe, University of Maine

Discussant: TracyAnn Henry, Georgia Southern University

Regional Culture and Economic Development Scott Loveridge, Dale Yi, and Janet L. Bokemeier, Michigan State University Discussant: Peter V. Schaeffer, West Virginia University

Entrepreneurial Activities on U.S. Farms Faqir Singh Bagi and Richard J. Reeder, USDA, Economic Research Service Discussant: Daniel Eades, Clemson University

Session 4D: Methods of Applied Regional Analysis III: Madison

Chair: Liesl Earthington, Iowa State University

A General Equilibrium Spatial Model Hakan Yilmazkuday, Vanderbilt University Discussant: Louis de Mesnard, University of Burgundy, France, and Regional Economics Application Laboratory

Using County Typologies to Prescribe Optimal Industrial Mixes in Georgia Counties

Clifford A. Lipscomb and Rinas V. Kashbrasiev, Valdosta State University

Discussant: Liesl Earthington, Iowa State University

"What's a Nice County Like You Doing in a Region Like This?" Identifying Compatible Regional Economic Development Partners

Liesl Earthington and Dave Swenson, Iowa State University

Discussant: Mark L. Burkey, North Carolina A&T State University

Session 4E: Spatial and Institutional Issues Facing Rural Health III: Examining Health Quality in Rural Areas: Georgwtown B

Organizers: Matthew Fannin, Louisiana State University and Paul McNamara, University of Illinois at Urbana-Champaign

Chair: Martin Shields, Colorado State University

Examining Diet Quality and BMI in Rural Areas in a Quantile Regression Framework

Jebaraj Asirvatham, University of Illinois Urbana-Champaign

Discussant: Dan Otto, Iowa State University

Spatial Effects in Models of Metro/Non-metro Mortality Divergence

Tracey Farrigan, USDA–Economic Research Service, Jeralynn Cossman, Mississippi State University, Carol Jones, USDA–Economic Research Service, Timothy Parker, USDA–Economic Research Service, and Arthur Cosby, Mississippi State University Discussant: Paul McNamara, University of Illinois-

Discussant: Paul McNamara, University of Illinois Urbana Champaign

Obesity in Rural America, Reasons, Impacts, and Solutions for Communities

Sarah Low, University of Illinois Urbana-Champaign and Jason Henderson, Federal Reserve Bank of Kansas City Discussant: James Barnes, Louisiana State University

The Impact of Chronic Disease on Physical and Mental Health-Related Work Loss

Garen Evans, Mississippi State University

Discussant: Aaron K. Lusby, Louisiana Tech University

Session 4F: Government, Taxation, and Public Services II: Jackson

Chair: Dave Lamie, Clemson University

Optimal Provision of Public Service: A Case Study of the Swedish Unemployment Funds Michael Olsson, University of Skövde, Sweden

Discussant: Justin Ross, West Virginia University

Does Congruence of City and School District Borders Matter? A Spatial Hedonic Analysis Joshua C. Hall, Beloit College and Justin Ross, West Virginia University Discussant: Mark Skidmore, Michigan State University

Property Valuation Assessment Growth Limits and Differential Tax Base Erosion Mark Skidmore, Michigan State University and Mehmet Tosun, University of Nevada-Reno Discussant: Dave Lamie, Clemson University

Paralyzed Municipalities: A Case Study of Legal and Policy Issues for South Carolina Municipal Investment in Advanced ICT for Community and Regional Economic and Social Development

Dave Lamie and Lori Dickes, Clemson University Discussant: Michael Olsson, University of Skövde, Sweden

3:45 P.M.—4:00 P.M.

Coffee Break: Adams

Sponsored by Center for Manufacturing and Technology (CMAT)

4:00 P.M.—6:00 P.M.

Session 5A: The Economic Impact of Universities II: Georgetown A

Sponsored by the Association for University Business and Economic Research (AUBER)

Chair and organizer: James A. Kurre, Penn State Erie and President, AUBER

The University of Alabama 2004-2005 Economic Impacts Samuel N. Addy and Ahmad Ijaz, The University of Alabama

Discussant: Bill Shobe, University of Virginia

Measuring the Value of Indiana University: Evaluating Standard and Novel Economic Impacts at Local and State Levels

Timothy F. Slaper and Michael F. Thompson, Indiana University

Discussant: Samuel N. Addy, The University of Alabama

The Economic Impact of the University of Virginia: How a Major Research University Affects the Local and State Economies

John Knapp and Bill Shobe, University of Virginia Discussant: Timothy F. Slaper, Indiana University

Session 5B: Migration and Labor Markets: Washington

Organizer: Brian Cushing, West Virginia University Chair: Dwight W. Adamson, South Dakota State University

History of the Migration of Top Scientists in the English-Speaking Academic World

Fangmeng (Tim) Tian, George Mason University Discussant: Edward Nissan, University of Southern Mississippi

The Impact of Adolescent 'Maturity' and Adult Earnings: The Role of Migration

Thomas A. Knapp, Pennsylvania State University Discussant: Anthony Yezer, George Washington University

The Minimum Wage and Migration Brian Cushing, West Virginia University Discussant: Mark D. Partridge, Ohio State University

Session 5C: Local Food Systems I: Madison Organizer: David W. Hughes, Clemson University Chair: David W. Hughes, Clemson University

Web-Based Tools to Foster Stronger Agricultural Value Chain Linkages and to Enhance Local Food Initiatives David R. Lamie, Clemson University Discussant: Dave Swenson, Iowa State University

Local Growers plus Local Consumption equals Local Impact: The Economic Outcome Potentials of Buy Local Efforts

Dave Swenson, Iowa State University Discussant: Martin Shields, Colorado State University

Willingness to Pay for Locally Grown Products: The Case of State Grown Produce in South Carolina. Carlos E. Carpio and Olga Isengildina-Massa, Clemson University

Discussant: Will Culler, Clemson University

Session 5D: Methods of Applied Regional Analysis IV: Georgetown B

Chair: Douglas Woodward, University of South Carolina

Bootstrap Methods for Inference with Spatial Panel Data Models

Drake Warren, University of Illinois at Urbana-Champaign

Discussant: Douglas Woodward, University of South Carolina

Revisiting Bicausative Matrices: The Swiss Cheese of Chaos

Louis de Mesnard, University of Burgundy, France, and Regional Economics Application Laboratory Discussant: Randall Jackson, West Virginia University

Statistical Tests Based on the Location Quotient Octávio Figueiredo, Universidade do Porto and CEMPRE, Paulo Guimarães, University of South Carolina and CEMPRE, Douglas Woodward, University of South Carolina

Discussant: Drake Warren, University of Illinois at Urbana-Champaign

Multi-Method Investigation of Economic Convergence at Different Levels of Spatial Units

Cristina Checherita and Naoru Koizum, George Mason University

Discussant: Louis de Mesnard, University of Burgundy, France, and Regional Economics Application Laboratory

Session 5E: Spatial and Institutional Issues Facing Rural Health IV: Spatial Supply and Demand Issues: Jackson

Organizers: Matthew Fannin, Louisiana State University and Paul McNamara, University of Illinois at Urbana-Champaign

Chair: Sarah Low, University of Illinois Urbana-Champaign

The Workforce Investment Act and Worker Shortage in Rural Health: Evidence from Louisiana

Aaron K. Lusby, Louisiana Tech University Discussant: Brooklynn Anderson, Mississippi State University

Spatial Model Specification for Contractual Arrangements between Rural Hospitals and Physicians Matt Fannin and James Barnes, Louisiana State University

Discussant: Sarah Low, University of Illinois Urbana Champaign

Do Fluctuations in Health Expenditure Influence Economic Growth?

James O. Bukenya, Alabama A&M University Discussant: Tracey Farrigan, USDA–Economic Research Service

Session 5F: Rural Development: Georgetown C

Chair: J. Frank O'Connor, Eastern Kentucky University

Motivations and Economic Impact of Visitors to Heritage and Cultural Attractions in North Dakota

Nancy M. Hodur, Kara L. Wolfe, and F. Larry Leistritz, North Dakota State University

Discussant: Rick Reeder, USDA, Economic Research Service

Spillover Impacts of Rural Recreation Development Rick Reeder and Dennis Brown, USDA, Economic Research Service

Discussant: J. Frank O'Connor, Eastern Kentucky University

Regional Benchmarking: The Role of a Region's Legacy in Determining Competitiveness

Rebekka Dudensing, Daniel Eades, David Barkley, and Mark Henry, Clemson University

Discussant: Drake Warren, University of Illinois at Urbana-Champaign

6:30 P.M.—8:30 P.M.

Reception: Francis Scott Key Ballroom

8:00 A.M.—1:45 P.M.

Registration: Adams

8:30 A.M.—10:00 A.M.

Session 6A: Spatial Price and Cost of Living I: Georgetown A

Organizers: James A. Kurre, Economic Research Institute of Erie, Penn State Erie and John Sporing, Jr., U.S. Bureau of Economic Analysis

Chair: James A. Kurre, Economic Research Institute of Erie, Penn State Erie

Understanding the ACCRA Cost of Living Index Methodology

Erol Yildirim, Council for Community and Economic Research (C2ER)

Discussant: James A. Kurre, Economic Research Institute of Erie, Penn State Erie

Local Prices and the Cost of Living in Rural Kentucky Julie N. Zimmerman, University of Kentucky Discussant: Erol Yildirim, Council for Community and Economic Research (C2ER)

Spatial Variability of Mortgage Rates through Time Benjamin S. Schlosser and James A. Kurre, Penn State University Erie

Discussant: Julie N. Zimmerman, University of Kentucky

Session 6B: Innovation, Productivity, and Economic Performance I: Georgetown B

Chair: Shaoming Cheng, West Virginia University

International R&D Spillovers in the Multi-country Schumpeterian Growth Model

Cem Ertur, University of Orleans, France and Wilfried Koch, University of Bourgogne, France Discussant: Shaoming Cheng, West Virginia University

Investor Protection, Ownership Structure and Firm Performance in China: A Regional Perspective Jiamin Wang, George Mason University Discussant: Amit Batabyal, Rochester Institute of Technology

The Impact of Innovation on a Polluting Firm's Regulation Driven Decision to Upgrade its Capital Stock Amit Batabyal, Rochester Institute of Technology and Peter Nijkamp, Free University of Amsterdam Discussant: James O. Bukenya, Alabama A&M University

A Theoretical Account of Public Sector Venture Capitalism

Odd Stalebrink and Shaoming Cheng, West Virginia University

Discussant: Wilfried Koch, University of Bourgogne

Session 6C: Culture, Entrepreneurship, and Development III: Washington

Chair: Roger Stough, George Mason University

Defining Creative Class: An Exploratory Analysis Cory Yemen and Michael L. Lahr, Rutgers Discussant: Mallory Rahe, University of Illinois at Urbana-Champaign

Entrepreneurship as an Engine of Economic Growth: A Critical Review of Literature Faqir Singh Bagi, USDA-ERS

Discussant: Mark Skidmore, Michigan State University

Drivers and Success Conditions of Ethnic Entrepreneurs Mediha Sahin, University of Amsterdam, Roger R. Stough, George Mason University, and Peter Nijkamp, University of Amsterdam

Discussant: Faqir Singh Bagi, USDA-ERS

Session 6D: Special Issues in Migration Research: Georgetown C

Organizer: Brian Cushing, West Virginia University Session Chair: Nancy E. White, Bucknell University

Migration and Toxic Chemical Releases in U.S. Counties Robert R. Dunn, West Virginia University Discussant: Thomas A. Knapp, Pennsylvania State University

Do Housing Constraints Shape Rural Growth? David McGranahan, USDA-ERS, Timothy R. Wojan, USDA-ERS, and Dayton M. Lambert, University of Tennessee

Discussant: David E. Clark, Marquette University

Rural Migration Choices: The Role of Equilibrium and Disequilibrium Influences

Dwight W. Adamson, South Dakota State University, David E. Clark, Marquette University, and Mark D. Partridge, Ohio State University

Discussant: Dan S. Rickman, Oklahoma State University

Session 6E: Regional Unemployment Dynamics: Madison

Chair: Dean Jolliffe, USDA-Economic Research Service

Underemployment and Local Employment Dynamics: New Evidence

Samuel N. Addy, Michaël Bonnal, and Cristina Lira, University of Alabama

Discussant: Dean Jolliffe, USDA-ERS

States' Employment Diversity Edward Nissan and George Carter, Southern Mississippi University Discussant: Michaël Bonnal, University of Alabama

Geographic Variation in Population-Employment Dynamics: A Panel Cointegration Analysis John I. Carruthers and Michael K. Hollar, HUD Discussant: Edward Nissan, Southern Mississippi

University

Session 6F: Social Issues in Urban and Regional Development I: Jackson

Chair: Olugbenga Ajilore, University of Toledo

Measuring the Socio-Economic Conditions of Blacks across the United States: A Multi-Disciplinary Approach Eric Horent, Southern University and T. Wayne Parent, Louisiana State University

Discussant: Emilia Catalina Istrate, George Mason University

A Spatial Analysis of the Urban Informal Economy: A Multi-Sector Analysis Approach

Emilia Catalina Istrate, George Mason University Discussant: Olugbenga Ajilore, University of Toledo

The Impact of Ethnic Heterogeneity on Education Spending: A Spatial Econometric Analysis of United States School Districts

Olugbenga Ajilore, University of Toledo Discussant: Eric Horent, Southern University

10:15 A.M.—10:30 A.M.

Coffee Break: Adams

10:30 A.M.-12:15 P.M.

Session 7A: Spatial Price and Cost of Living II: Georgetown A

Organizers: James A. Kurre, Economic Research Institute of Erie, Penn State Erie and John Sporing, Jr., U.S. Bureau of Economic Analysis Chair: Bettina H. Aten, U.S. Bureau of Economic

Analysis

Estimates of State Price Levels for Consumption Goods and Services: A First Brush

Bettina H. Aten, U.S. Bureau of Economic Analysis Discussant: Anthony Yezer, George Washington University

Estimating the Consumer Price Index by State Philip Shaw, Robert Slattery, and Stan McMillen, University of Connecticut

Presented by Selini Katsaiti, University of Connecticut Discussant: Bettina H. Aten, U.S. Bureau of Economic Analysis

Office Rents and the Monocentric City Chao Yue Tian and Anthony Yezer, George Washington University Discussant: Selini Katsaiti, University of Connecticut

Session 7B: Transportation I: Georgetown B

Hakan Yilmazkuday, Vanderbilt University

Some University Parking Arithmetic Amit Batabyal, Rochester Institute of Technology and Peter Nijkamp, Free University of Amsterdam Discussant: Carlos Llano, Universidad Autónoma de Madrid, Spain

Understanding Interstate Trade Patterns Hakan Yilmazkuday, Vanderbilt University Discussant: Session Audience

The Development of the Chinese Transportation Infrastructure: A Case of the Yangtze River Corridor Brian W. Sloboda, U.S. Postal Service and Vincent W Yao, Federal National Mortgage Association (Fannie Mae)

Discussant: Robert Checchio, Rutgers, The State University of New Jersey

Commuting Times Variation by Nationality and Urban Structures: A Comparison between the two Main Spanish Metropolitan Areas

Maite Blázquez, Carlos Llano, and Julián Moral, Universidad Autónoma de Madrid, Spain Discussant: Brian W. Sloboda, U.S. Postal Service

Session 7C: Undesirable Events: Impact, Recovery, and Prevention: Washington

Chair: John Connaughton, University of North Carolina-Charlotte

The Unemployment Impact of the 1993 Midwest Flood: A Quasi-experimental Intervention Analysis Yu Xiao and Edward Feser, University of Illinois at Urbana-Champaign

Discussant: Santiago Pinto, West Virginia University

Labor Market Competition in the Aftermath of Hurricane Katrina

Brian Richard, University of Southern Mississippi Discussant: John Connaughton, University of North Carolina-Charlotte

Crime in a Multi-jurisdictional Model with Private and Public Prevention

Kangho Lee, San Diego State University and Santiago Pinto, West Virginia University

Discussant: Michael Olsson, University of Skövde, Sweden

Regional Recovery: A Comparison of the Recoveries Following the 1990-91 and 2001 Recessions

John Connaughton and Ronald A. Madsen, University of North Carolina-Charlotte

Discussant: Yu Xiao, University of Illinois at Urbana-Champaign Session 7D: Innovation, Productivity, and Economic Performance II: Georgetown C Chair: David S. Bieri, Virginia Tech

The Relative Importance of Amenities and Firm Productivity Advantages in Metropolitan Areas Richard Deitz and Jaison R. Abel, Federal Reserve Bank of New York, Buffalo Branch Discussant: Timothy R. Wojan, USDA, Economic Research Service Geographical Technology Market and Geographical Product Markets Patrick F.E. Beschorner, Centre for European Economic Research, Germany, and Hanna L. Binz, Catholic

University of Louvain, Belgium

Discussant: David S. Bieri, Virginia Tech

Time Poor but Experience Rich? How the Creative Class Punches the Clock

Timothy R. Wojan and Karen Hamrick, USDA, Economic Research Service

Discussant: Patrick F.E. Beschorner, Centre for European Economic Research, Germany

Booming Bohemia? Evidence from the U.S. Hightechnology Industry David S. Bieri, Virginia Tech

Discussant: Jaison R. Abel, Federal Reserve Bank of New York, Buffalo Branch

Session 7E: Social Policy: Madison

Chair: Shahdad Naghshpour, University of Southern Mississippi

Massachusetts Health Reform Law and Its Impact on New Business Ventures Scott Jackson, George Mason University

Discussant: Brian Cushing, West Virginia University

Distributional Impacts of a Food Tax Reduction in Arkansas: A Computable General Equilibrium Analysis Daniel V. Rainey and Biswa R. Das, University of Arkansas-Fayetteville

Discussant: Shahdad Naghshpour, University of Southern Mississippi

Measuring the Effect of Coal Mines on Residential Property Values

Arzu Sen, West Virginia University

Discussant: Scott Jackson, George Mason University

Globalization and Rebellion Shahdad Naghshpour and J.J. St. Marie, University of Southern Mississippi

Discussant: Daniel V. Rainey, University of Arkansas-Fayetteville

Session 7F: BEA Session I: Nuggets of Knowledge from BEA: Jackson

Organizer: John Sporing, Jr., U.S. Bureau of Economic Analysis

Chair: Christian Malagon, U.S. Bureau of Economic Analysis

History of BEA Regions John Kort, U.S. Bureau of Economic Analysis Discussant: Michael R. Ratcliffe, U.S. Census Bureau

GIS@BEA Matt McCormick, U.S. Bureau of Economic Analysis

On the Impossibility of Calculating SNA's Supply-Use Model

Louis de Mesnard, University of Burgundy, France, and Regional Economics Application Laboratory

Discussant: G. Andrew Bernat, U.S. Bureau of Economic Analysis

12:30 P.M.—1:45 P.M.

Presidential Luncheon and SRSA Business Meeting: Potomac Ballroom

Nancy White, Bucknell University, SRSA President's Address: *Personal Perspectives on Amenities and Migration*

2:00 P.M.—3:45 P.M.

Session 8A: Spatial Price and Cost of Living Session III: Georgetown A

Organizers: James A. Kurre, Economic Research Institute of Erie, Penn State Erie and John Sporing, Jr., U.S. Bureau of Economic Analysis

Chair: James A. Kurre, Economic Research Institute of Erie, Penn State Erie

Adjusting Poverty Thresholds Based on Differences in Housing Costs: Applications in the American Community Survey

Alemayehu Bishaw and Sharon Stern, U.S. Census Bureau

Discussant: Jim Dewey, University of Florida

Poverty, Prices, and Place: How Sensitive is the Spatial Distribution of Poverty to Cost of Living Adjustments? Dean Jolliffe, USDA–Economic Research Service Discussant: Elena Bondarenko, West Virginia University

Spatial Interactions Between Inter-City and Intra-City Compensating Wage Differentials Jim Dewey and Gabriel Montes Rojas, University of Florida

Discussant: Todd M. Nesbit, Penn State Erie

Session 8B: Transportation II: Georgetown B

Chair: Elena Safirova, Resources for the Future

Forecasting Spatially Dependent Origin and Destination Commodity Flows

Carlos Llano, Universidad Autónoma de Madrid, Spain, and James P. LeSage, Texas State University-San Marcos Discussant: Elena Safirova, Resources for the Future

Price Competition across Regional and Hub Airports: Preliminary Look at the Role of Price Steven R. Miller, Michigan State University Discussant: Robert Checchio, Rutgers, The State University of New Jersey

Regional Airports and Regional Economies Robert Checchio, Rutgers, The State University of New Jersey

Discussant: Steven R. Miller, Michigan State University

Marginal Social Cost Pricing on a Transportation Network: Comparison of Second-Best Policies Elena Safirova, Sébastien Houde, and Winston Harrington, Resources for the Future Discussant: Carlos Llano, Universidad Autónoma de Madrid, Spain

Session 8C: Aspects of Firm and Industry Performance: Madison

Chair: Daisuke Nakamura, University of Illinois at Urbana-Champaign

Tennessee Industry Clusters and Economic Performance, 1998 - 2003: An Application of Value Chain Analysis Using County-Level Panel Data

D.M. Lambert, L. Stewart, M. D. Wilcox, and K. Jensen, University of Tennessee-Knoxville

Discussant: Daisuke Nakamura, University of Illinois at Urbana-Champaign

Explaining Production Inefficiency in China's Agriculture using Data Envelope Analysis and Semi-Parametric Bootstrapping

Daniel C. Monchuk, University of Southern Mississippi, and Zhuo Chen, The Centers for Disease Control and Prevention

Discussant: D.M. Lambert, University of Tennessee-Knoxville

Firm Location, Market Areas, and Agglomeration Economies

Daisuke Nakamura, University of Illinois at Urbana-Champaign

Discussant: Susane Daniels, West Virginia University

Session 8D: Regional Development Trends in China: Georgetown C

Chair: Kingsley Haynes, George Mason University

Spatial Structure of Agricultural Production in China Seong-Hoon Cho, University of Tennessee-Knoxville, Zhuo Chen, University of Chicago, and Neelam C. Poudyal, University of Tennessee-Knoxville Discussant: Michael L. Lahr, Rutgers, The State University of New Jersey

Labor Productivity Difference in China, 1987-2000: An Interregional Decomposition Analysis

Ling Yang, Xi'an Jiaotong University, PR China, and Michael L. Lahr, Rutgers, The State University of New Jersey

Discussant: Kingsley Haynes, George Mason University

Telecommunications Infrastructure and Regional Income Convergence in China: Panel Data Approaches Kingsley Haynes, George Mason University Discussant: Seung Gyu Kim, University of Tennessee-Knoxville

Session 8E: Environment, Natural Resources, and Regional Development II: Washington Chair: Amit Batabyal, Rochester Institute of Technology

The Resource Curse in U.S. States Leslie Dunn, West Virginia University Discussant: Amit Batabyal, Rochester Institute of Technology

Optimal Resource Management in the Presence of a Deleterious Alien Species: A Stochastic Model for an Orchard

Amit Batabyal, Rochester Institute of Technology and Peter Nijkamp, Free University of Amsterdam Discussant: Ferdinand DiFurio, Tennessee Technological University Session 8F: BEA Session II: Measuring Research & Development: Jackson

Organizer: John Sporing, Jr., U.S. Bureau of Economic Analysis

Chair: Shane Taylor, U.S. Bureau of Economic Analysis

BEA's R&D Satellite Accounts and the Capitalization of R&D in the National Accounts

Carol Robbins, U.S. Bureau of Economic Analysis, Industry Economics Directorate

Discussant: Hodjat Ghadimi, West Virginia University

R&D Investment in States

G. Andrew Bernat, Jr. U.S. Bureau of Economic Analysis, Analysis and Special Studies Branch Discussant: Mallory Rahe, University of Illinois at Urbana-Champaign

Regional Effects of Technology Shocks Bryan Goudie, U.S. Bureau of Economic Analysis, Regional Economic Analysis Division Discussant: Yu Xiao, University of Illinois at Urbana-Champaign

3:45 P.M.—4:00 P.M.

Coffee Break: Adams

4:00 P.M.—6:00 P.M.

Session 9A: Environmental, Natural, and Human Resources in Regional Development: Madison Chair: Mook Han Kim, Rutgers, The State University of New Jersey

The Changes of Environmental Amenity Values in Southern Appalachian Region Seong-Hoon Cho, Seung Gyu Kim, and Su Hyun Jung, University of Tennessee-Knoxville Discussant: Mook Han Kim, Rutgers, The State University of New Jersey

BARRY M. MORIARTY STUDENT PAPER COMPETITION AWARD WINNER The Determinents of the Distribution of

The Determinants of the Distribution of Innovation: Lessons from Independent Inventors Johnathan Munn, University of South Carolina Discussant: Shaoming Cheng, West Virginia University

The Collective Environmental Performance of Manufacturing Firms in Industrial Clusters Mook Han Kim, Rutgers, The State University of New Jersey Discussant: Seong-Hoon Cho, University of Tennessee-

Discussant: Seong-Hoon Cho, University of Tennessee-Knoxville

Session 9B: Human Capital and Income Inequality: Jackson

Chair: Todd M. Gabe, University of Maine

A Poverty Analysis in the US–A Spatial Simultaneous Equation System

Inhyuck "Steve" Ha, Western Carolina University Discussant: James Lawrence, George Mason University

Recent Trends in Earnings Inequality within US Metropolitan Regions

James Lawrence, George Mason University Discussant: Jason R. Abel, Federal Reserve Bank

Human Capital and Economic Activity in Urban America Jason R. Abel, Federal Reserve Bank of New York and Todd M. Gabe, University of Maine Discussant: Inhyuck "Steve" Ha, Western Carolina University

Session 9C: Local Food Systems II: Georgetown A

Organizer: David W. Hughes, Clemson University Chair: David W. Hughes, Clemson University

The Impact of Locavores: A Review of Research on Local Food Systems.

Cheryl Brown, West Virginia University and Stacy Miller, Executive Secretary, Farmers Market Coalition Discussant: David W. Hughes, Clemson University

What Does Regional Science Have to Say About Local Food Systems?

David W. Hughes, Clemson University, Daniel Eades, Clemson University, Kenneth Robinson, Carlos Carpio, Clemson University, Olga Isengildina, Clemson University, and Cheryl Brown, West Virginia University Discussant: Peter V. Schaeffer, West Virginia University

Session 9D: Social Issues in Urban and Regional Development II: Washington Chair: Seife Dendir, Radford University

The Pros and Cons of Child Support Grant in South Africa: Should the Social Security Policy be Reviewed? Mduduzi Biyase, University of Johannesburg, South Africa

Discussant: Gebremeskel H. Gebremariam, Virginia Tech

Impact of Economic Reforms on Education Expenditure in India

Uma Kelekar, George Mason University Discussant: Seife Dendir, Radford University

Household Shocks, Credit and Child Labor: Evidence from Bangladesh

Eskander Alvi, Western Michigan University and Seife Dendir, Radford University

Discussant: Roger Stough, George Mason University

Session 9E: Environmental Issues: Georgetown B

Chair: Daniel C. Monchuk, University of Southern Mississippi

A Decomposition Analysis of CO₂ Emissions in the United States

Ferdinand Vinuya, The World Bank, and Ferdinand DiFurio, Tennessee Tech University

Discussant: Daniel C. Monchuk, University of Southern Mississippi

Incorporating Sustainability into Educational Instruction in Developing Countries

Karen Kurenty and Daniel C. Monchuk, University of Southern Mississippi

Discussant: Ferdinand Vinuya, The World Bank

Session 9F: BEA Session III: Regional Product Methodologies: Georgetown C

Organizer: John Sporing, Jr., U.S. Bureau of Economic Analysis

Chair: Sharon Panek, U.S. Bureau of Economic Analysis

Developing State Estimates of Gross Output and Intermediate Inputs

Tim McInerney, U.S. Bureau of Economic Analysis, Regional Product Branch

Discussant: Robert Yuskavage, U.S. Bureau of Economic Analysis, Industry Accounts Directorate

Improvements to the Advance GDP-by-state Estimates Caitlin Coakley, U.S. Bureau of Economic Analysis Discussant: Stephan Goetz, Pennsylvania State University

Prototype GDP by Metropolitan Area Frank Baumgardner, U.S. Bureau of Economic Analysis, Regional Product Branch Discussant: David McGranahan, USDA-Economic Research Service

6:00 P.M.

47th SRSA Annual Meeting Ends

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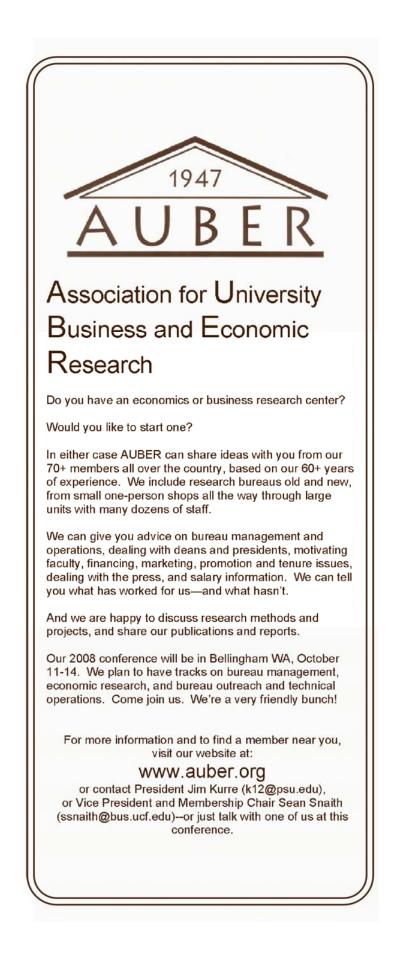
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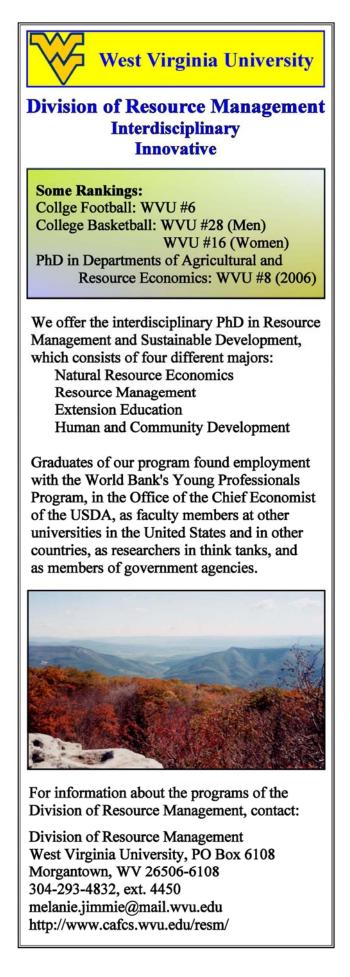


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