

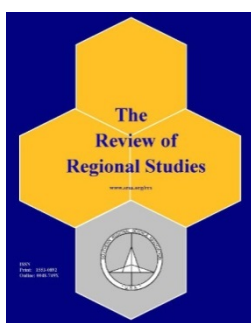
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**57<sup>TH</sup> MEETING OF THE  
SOUTHERN REGIONAL SCIENCE  
ASSOCIATION**

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# **Conference Program 2018**

**March 15 – 17, 2018  
Philadelphia, PA  
Courtyard Philadelphia Downtown**



**Southern Regional Science Association**

AN INTERDISCIPLINARY ORGANIZATION, LOCATED IN THE SOUTHEASTERN UNITED STATES,  
WITH MEMBERS IN APPROXIMATELY 40 STATES AND 7 COUNTRIES.

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## Fellows

Walter Isard - Cornell University  
Edgar S. Dunn - University of Florida  
William H. Miernyk - RRI, West Virginia University, 1981  
Lowell D. Ashby - BEA, US Dept. of Commerce  
Rutledge Vining - University of Virginia  
F. Stuart Chapin, Jr. - University of North Carolina  
Charles L. Leven - Northwestern University, 1991  
William A. Schaffer - Georgia Institute of Technology, 1992  
Niles M. Hansen - University of Texas, Austin, 1993  
Brian Berry - University of Texas, Dallas, 1995  
James Hite - Clemson University  
John H. Cumberland - University of Maryland, 2000  
Thomas Johnson - University of Missouri, Columbia, 2002  
Mark S. Henry - Clemson University, 2004  
Hugh Knox - BEA, US Dept. of Commerce, 2006  
David Barkley - Clemson University, 2008  
Henry (Chip) Herzog - University of Tennessee, 2008  
John Kort - ERS, USDA, 2009  
Andrew M. Isserman - University of Illinois, Urbana -  
Champaign, 2010  
Judith I. Stallmann - University of Missouri, 2010  
Brian J. Cushing - West Virginia University, 2011  
Nancy White - Bucknell University, 2012  
Mark Partridge - Ohio State University, 2013  
Dan Rickman - Oklahoma State University, 2013  
James P. LeSage - Texas State University, 2014  
Randall W. Jackson - RRI, West Virginia University, 2015  
M. Rose Olfert - University of Saskatchewan, 2016  
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# Announcements

Visit the exhibit tables of our sponsors in the  
Ballroom Foyer (1<sup>st</sup> floor)

## Sponsor of Reception

Thank you to our **Gold** sponsor who provided financial support for the refreshment breaks:

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If you have not done so already, please go to [www.SRSA.org](http://www.SRSA.org) and register for the SRSA News e-mail list.

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**ECONOMIC IMPACT  
ANALYSIS PROGRAM**

# Welcome to SRSA's 57<sup>th</sup> Conference

The most up-to-date program is online:

<http://easychair.org/smart-program/2018SRSA/> .

The index on pages 34-38 shows in what session you have a role and your discussant's email address. Please verify the timing and location of your papers and sessions online.

To be fair to all participants, we ask that no presenter give more than two (2) papers at each conference.

The following provides a guide to the etiquette for all sessions:

- Each paper presentation generally is allotted twenty minutes.
- Discussants should prepare five minutes of remarks, allowing five minutes for questions and comments from other attendees.
- Session chairs and presenters should arrive ten minutes early for audio/visual preparation.
- Presenters and discussants should remain for the entire session.

Chair duties:

- It is the responsibility of the session chair to ensure a laptop will be available in the session.
- Session chairs should preserve the order of the session to facilitate attendees who may be attempting to hear papers in concurrent sessions.



## 57<sup>TH</sup> SRSA ANNUAL MEETING: PROGRAM OVERVIEW

**Thursday, March 15**

12:00 - 3:00 p.m.

NE-1749 Business Meeting: Mezzanine 2 (By Invitation Only)

2:00 - 6:00 p.m.

Registration: Ballroom Foyer

3:00 - 5:00 p.m.

Session 1A: State Economic Outlooks: Washington

Session 1B: Social, Economic, and Spatial Aspects of the Drug  
Crisis in America I: Logan

Session 1C: Housing I: Juniper

Session 1D: Tourism: Mezzanine 2

5:00 - 6:30 p.m.

Session 2: IO-Snap Software Workshop: Logan (Open to all SRSA  
participants)

6:30 - 7:00 p.m.

Student Meet-Up: Juniper

6:30 - 9:00 p.m.

SRSA Council Meeting: Rittenhouse (By Invitation Only)

**Friday, March 16**

7:30 a.m. - 6:00 p.m.

Registration: Ballroom Foyer

7:30 - 8:15 a.m.

Student Meet-Up: Logan

8:30 - 10:30 a.m.

**\*\*Note\*\*:** 8:30 a.m. start-time Friday (8 a.m. Saturday)

Session 3A: Research & Education: Rittenhouse

Session 3B: Transportation & Infrastructure: Washington

Session 3C: Social, Economic, and Spatial Aspects of the Drug  
Crisis in America II: Logan

Session 3D: Entrepreneurship & Innovation: Salon 2

Session 3E: Labor: Migration & Regional Industrial Portfolios:  
Salon 3

10:30 - 11:00 a.m.

Refreshment Break: Ballroom Foyer

11:00 a.m. - 12:30 p.m.

Session 4A: Local Foods: Rittenhouse

Session 4B: Poverty: Salon 2

Session 4C: Resource & Environment: Salon 3

Session 4D: Regional Economic Development: Washington

Session 4E: Health Issues: Logan

12:30 - 2:30 p.m.

**Awards Luncheon & Fellows Address: Juniper**

2:45 - 4:45 p.m.

Session 5A: Oil & Gas Issues: Rittenhouse

Session 5B: Water Issues: Washington

Session 5C: Supply Chains and Business Dynamics: Logan

Session 5D: Innovation: Salon 2

Session 5E: Housing II: Salon 3

5:00 - 6:00 p.m.

Media Training for Academics Workshop: Rittenhouse (open to  
all SRSA participants)

5:30 - 6:30 p.m.

Session 6: Undergraduate Poster Session: Ballroom Foyer

6:30 - 8:30 p.m.

**Reception: Ballroom Foyer**

**Saturday, April 17**

7:30 a.m. - 12:30 p.m.

Registration: Ballroom Foyer

7:00 - 8:00 a.m.

RRS Editorial Board Meeting (by invitation only): Mezzanine 2

8:00 - 10:00 a.m.

**\*\*Note\*\*:** 8 a.m. start time Saturday

Session 7A: Migration: Rittenhouse

Session 7B: Industrial Clusters & Diversity: Washington

Session 7C: Game Theory & Macroeconomics: Logan

Session 7D: Economic Impacts: Salon 2

Session 7E: Regional Science Methods: Salon 3

10:00 - 10:30 a.m.

Refreshment Break: Ballroom Foyer

10:30 a.m. - 12:30 p.m.

Session 8A: Natural Disasters: Rittenhouse

Session 8B: Gender & Race Issues: Washington

Session 8C: Regional Governance Issues: Logan

Session 8D: Industry Issues: Salon 2

Session 8E: Regional Entrepreneurial Ecosystems (EE): Emic and  
Etic Approaches to EE Development: Salon 3

12:30 - 2:30 p.m.

**Presidential Luncheon and SRSA Business Meeting: Juniper**

2:30 p.m.

**57<sup>th</sup> SRSA Annual Meeting Ends**

**This program was current as of Feb. 28. The most up-to-date schedule, including sessions, presenters, and discussants, is available online:**

**<http://easychair.org/smart-program/2018SRSA/>**

## **Thursday, March 15**

**12:00-3:00 p.m. NE1749 Meeting:** Mezzanine 2 (by invitation only)

### **3:00-5:00 p.m. 1A: STATE ECONOMIC OUTLOOKS**

**CHAIR:** *John Connaughton* (University of North Carolina Charlotte)

**LOCATION:** Washington

#### **West Virginia Economic Outlook**

*Brian Lego* (West Virginia University)

**Discussant:** *John Connaughton*

#### **Oklahoma Economic Outlook**

*Dan Rickman* (Oklahoma State University)

*Hongbo Wang* (Oklahoma State University)

**Discussant:** *Jason Brown*

#### **New Jersey Economic Outlook**

*Michael Lahr* (Rutgers University)

**Discussant:** *Brian Lego*

#### **North Carolina Economic Outlook**

*John Connaughton* (University of North Carolina Charlotte)

**Discussant:** *Dan Rickman*

### **3:00-5:00 p.m. 1B: SOCIAL, ECONOMIC, AND SPATIAL ASPECTS OF THE DRUG CRISIS IN AMERICA I, SPECIAL SESSION ORGANIZED BY BRIAN CUSHING**

**CHAIR:** *Elham Erfanian* (West Virginia University)

**LOCATION:** Logan

**The Hidden Costs of the Opioid Crisis and the Implications for Financial Management in the Public Sector**

*Paul Speaker* (West Virginia University)

**Discussant:** *Frank O'Connor*

**Access and Utilization of Mental Health Care in Rural America**

*Elizabeth Dobis* (The Pennsylvania State University, NERCRD)

*Stephan Goetz* (The Pennsylvania State University, NERCRD)

**Discussant:** *Mark Mather*

**Personal and Regional Determinants of Recognition and Stigma for Alcohol Abuse and Prescription Drug Abuse**

*Robert Shupp* (Michigan State University)

*Scott Loveridge* (Michigan State University)

*Mark Skidmore* (Michigan State University)

*Brandon Green* (Dev Services Group)

*Don Albrecht* (Utah State University)

**Discussant:** *Brian Cushing*

**The Economic Impact of the Opioid Crisis in West Virginia**

*John Deskins* (BBER, West Virginia University)

*Christiadi* (BBER, West Virginia University)

**Discussant:** *Michael Betz*

**3:00-5:00 p.m. 1C: HOUSING I**

**CHAIR:** *Christopher Yench* (Weber State University)

**LOCATION:** Juniper

**The Decision to Mitigate Flood Risk by Elevation Retrofitting a Home**

*Warren Kriesel* (University of Georgia)

**Discussant:** *Christopher Yench*

**The Impact of Unconventional Drilling on House Prices in Central Oklahoma**

*Kangil Lee* (Oklahoma State University)

*Brian Whitacre* (Oklahoma State University)

**Discussant:** *Donovan Anderson*

**The Impact of Net Metering of Solar Energy on Home Sale Price**

*Christopher Yench* (Weber State University)

*Yong Zhang* (Weber State University)

**Discussant:** *Rodrigo Perez-Silva*

**3:00-5:00 p.m. 1D: TOURISM**

**CHAIR:** *Fiona Sussan* (University of Phoenix)

**LOCATION:** Mezzanine 2

**Tourism Consumption and Spatial Economic Impacts in Kumamoto and Oita Prefectures**

*Hiroyuki Shibusawa* (Toyohashi University of Technology, Japan)

*Mamoru Imanishi* (Nippon Bunri University, Japan)

*Uchida Ichihiko* (Aichi University, Japan)

*Katsuhiro Sakurai* (Rissho University, Japan)

**Discussant:** *Fiona Sussan*

**Who Shall Inherit My 'Castle'? Establishing Value of Regional Heritage Cultural Assets**

*Fiona Sussan* (University of Phoenix)

*Ravi Chinta* (Nova Southeastern University)

**Discussant:** *Amit Batabyal*

**Probabilistic Approaches to Cleaning the Ganges in Varanasi to Attract Tourists**

*Amit Batabyal* (Rochester Institute of Technology)

**Discussant:** *Fiona Sussan*

**Private Purse Strings to Fund Public Goods?**

*Hideyuki Nakagawa* (Akita International University, Japan)

*Y Negishi* (Akita International University, Japan)

*Fiona Sussan* (University of Phoenix)

**Discussant:** *Hiroyuki Shibusawa*

**5:00-6:30 p.m. Session 2: IO-SNAP SOFTWARE WORKSHOP --FREE & OPEN TO ALL--GIVEN BY CALEB STAIR AND RANDY JACKSON**

**CHAIR:** *Caleb Stair* (Regional Research Institute)

**LOCATION:** Logan

**6:30-7:00 p.m. Student Meet-up: Juniper**

**6:30-9:00 p.m. SRSA Executive Council Meeting:**  
Rittenhouse (by invitation only)

## **Notes**

## Friday, March 16

**7:30-8:15 a.m. Student Meet-Up:** Logan

**8:30-10:30 a.m. 3A: RESEARCH & EDUCATION**

CHAIR: *Thomas Christoffel* (Regional Intelligence-Regional Communities, LLC)

LOCATION: Rittenhouse

**The Next Generation of Regional Scientists:  
A Hybrid Project-Based Learning Approach  
to Teaching Regional Economics**

*Anthony Stair* (Frostburg State University)

*Caleb Stair* (Regional Research Institute)

*Carissa Altizer* (Signal Knob Middle School)

**Discussant:** *Cynthia Rogers*

**Charter School Proliferation and School  
District Fiscal Stress: A Chicken-Egg  
Problem**

*Bo Feng* (The Ohio State University)

**Discussant:** *Thomas Christoffel*

**Impact of Higher Education Institutions on  
Regional Economic Development: Evidence  
from Brazilian Municipalities**

*Raissa Carvalho Braganca* (Federal University of Parana, Brazil)

*Alexandre Alves Porsse* (Federal University of Parana, Brazil)

**Discussant:** *Bo Feng*

**2020 Census Challenge: A Functional Sub-  
State Region/Regional Council Data Set for  
Research, Policy and Programming in the  
U.S.**

*Thomas Christoffel* (Regional Intelligence-Regional Communities, LLC)

**Discussant:** *Caleb Stair*

**8:30-10:30 a.m. 3B: TRANSPORTATION &  
INFRASTRUCTURE**

CHAIR: *Thomas Douthat* (Georgia Institute of Technology - CEE)

LOCATION: Washington



**Patterns and Determinants of Stretch  
Commuting Across the Rural-Urban  
Continuum**

*Matthew Kures* (University of Wisconsin-  
Extension)

*Steven Deller* (University of Wisconsin-  
Madison)

*Tessa Conroy* (University of Wisconsin-  
Madison)

**Discussant:** *Christopher Yencha*

**Public Transit Accessibility and Income  
Segregation**

*Protttoy Akbar* (University of Pittsburgh)

**Discussant:** *Thomas Douthat*

**CO2 Emissions of Embodied Freight  
Transportation in U.S., 2007-2012**

*Da Fei* (Rutgers University)

**Discussant:** *Protttoy Akbar*

**Demographic and Land Use Modeling for  
Transit Planning and Management in  
Urbanizing Areas: A Case Study from  
Georgia, USA**

*Thomas Douthat* (Georgia Institute of  
Technology - CEE)

*Laurie Garrow* (Georgia Institute of Technology  
- CEE)

*Anna Nord* (Georgia Institute of Technology -  
School of City and Regional Planning)

**Discussant:** *John Pender*

**8:30-10:30 a.m. 3C: SOCIAL, ECONOMIC, AND  
SPATIAL ASPECTS OF THE DRUG CRISIS IN  
AMERICA II, SPECIAL SESSION ORGANIZED  
BY BRIAN CUSHING**

**CHAIR:** *Paul Speaker* (West Virginia University)

**LOCATION:** Logan

**The Impact of Naloxone Access Laws on  
Opioid Overdose Deaths in the U.S.**

*Elham Erfanian* (West Virginia University)

*Alan Collins* (West Virginia University)

*Daniel Grossman* (West Virginia University)

**Discussant:** *Elizabeth Dobis*

### **Children's Exposure to Drug Overdose Deaths**

*Mark Mather* (Population Reference Bureau)

*Beth Jarosz* (Population Reference Bureau)

*Marissa Slowey* (Population Reference Bureau)

**Discussant:** *Brian Lego*

### **The Interaction of Gender, Age Cohort, and Region on Mortality Rates in Kentucky, 1999-2016**

*Frank O'Connor* (Eastern Kentucky University)

**Discussant:** *John Deskins*

### **Wage and Employment Growth in America's Drug Epidemic: Is All Growth Created Equal?**

*Michael Betz* (The Ohio State University)

*Lauren Jones* (The Ohio State University)

**Discussant:** *Scott Loveridge*

## **8:30-10:30 a.m. 3D: ENTREPRENEURSHIP & INNOVATION**

**CHAIR:** *Amit Batabyal* (Rochester Institute of Technology)

**LOCATION:** Salon 2

### **The Rise of Digital Entrepreneurial Ecosystems in Detroit: The Path of the Automobile Industry and Related Industries to Economic Prominence?**

*Fiona Sussan* (University of Phoenix)

*Brian Sloboda* (University of Phoenix)

**Discussant:** *Amit Batabyal*

### **Firm Behavior Across Increasing Levels of Innovation Activity**

*John Mann* (Michigan State University)

**Discussant:** *Oudom Hean*

### **The Dynamics and Challenges of the ICT Entrepreneurship Ecosystem in Qatar**

*Tarek Ben Hassen* (Qatar University, Qatar)

**Discussant:** *Fiona Sussan*

### **Is There a Tradeoff Between Public and Private Approaches to Downtown Revitalization?**

*Sayori Kobayashi* (Akita International University, Japan)

*Fiona Sussan* (University of Phoenix)

**Discussant:** *Judith Stallmann*

**Artists, Engineers, and Aspects of Economic Growth in a Creative Region**

*Amit Batabyal* (Rochester Institute of Technology)

*Hamid Beladi* (University of Texas at San Antonio)

**Discussant:** *Brian Sloboda*

**8:30-10:30 a.m. 3E: LABOR: MIGRATION & REGIONAL INDUSTRIAL PORTFOLIOS**

CHAIR: *Kyle Hood* (Bureau of Economic Analysis)

LOCATION: Salon 3

**The Effect of Amenities and Labor Market Factors on Internal Migration**

*Annie Lee* (Rutgers University)

**Discussant:** *Kyle Hood*

**Local Industrial Structure and Mobility of Displaced Skilled Workers**

*Orsa Kekezi* (Jönköping International Business School, Sweden)

**Discussant:** *Shishir Shakya*

**Labor Compensation Spillover in U.S.–Mixing Spatial and Trade Network Dependency Approach**

*Shishir Shakya* (West Virginia University)

**Discussant:** *Annie Lee*

**Aggregate Effects and Measuring Regional Dynamics**

*Ryan Greenaway-McGrevy* (The University of Auckland)

*Kyle Hood* (Bureau of Economic Analysis)

**Discussant:** *Orsa Kekezi*

**10:30-11:00 a.m. Refreshment Break:** Ballroom Foyer

**11:00-12:30 p.m. 4A: LOCAL FOODS**

CHAIR: *Dave Shideler* (Oklahoma State University)

LOCATION: Rittenhouse

**The Impact of Rural Land Consolidation on Farmers' Livelihood Vulnerability: Evidence from Central China**

*Wei Zhao* (Huazhong Agricultural University/The Ohio State University, China)

**Discussant:** *John Halstead*

**Factors Affecting Restaurant Purchase of Locally Grown Foods**

*Amanda McLeod* (University of New Hampshire)

*Lily Harris* (University of New Hampshire)

*John Halstead* (University of New Hampshire)

**Discussant:** *Dave Shideler*

**Local Food Marketing: A Retail Choice for Limited Resource Farmers**

*Erika Leon* (Oklahoma State University)

*Dave Shideler* (Oklahoma State University)

**Discussant:** *Amanda McLeod*

**11:00-12:30 p.m. 4B: POVERTY**

CHAIR: *John Pender* (ERS)

LOCATION: Salon 2

**Using a SLX Model to Examine the Impact of the Great Recession on Poverty in South Carolina**

*Willis Lewis* (Winthrop University)

*Ferdinand Difurio* (Tennessee Tech University)

**Discussant:** *Peter Han*

**Poverty and Aging Society: Growing Vulnerability of the United States to Heat Waves**

*Jungmin Lim* (Michigan State University)

*Mark Skidmore* (Michigan State University)

**Discussant:** *Willis Lewis*

**Role of Amenities in Estimating Supplemental Poverty Measure (SPM)**

*Peter Han* (ERS)

*John Pender* (ERS)

**Discussant:** *Mark Skidmore*

**11:00-12:30 p.m. 4C: RESOURCE & ENVIRONMENT**

CHAIR: *Heather Stephens* (West Virginia University)

LOCATION: Salon 3

**Resource Dependence and High School Dropout Rates in U.S. Counties**

*Leslie Dunn* (Washington & Jefferson College)

*Kayla Conforti* (Washington & Jefferson College)

*Robert Dunn* (Washington & Jefferson College)

**Discussant:** *Siddhartha Rastogi*

**Can Loose Fiscal Strings Cause Environmental Pollution?: A Hypothesis from India**

*Siddhartha Rastogi* (Indian Institute of Management Indore, India)

**Discussant:** *Heather Stephens*

**The Influence of Environmental Regulations on Industrial Diversification**

*Brianne Zimmerman* (West Virginia University)

*Heather Stephens* (West Virginia University)

**Discussant:** *Leslie Dunn*

**11:00-12:30 p.m. 4D: REGIONAL ECONOMIC DEVELOPMENT**

CHAIR: *Philip Watson* (University of Idaho)

LOCATION: Washington

**Predicting State-Level Gross Job Gains and Losses with Google Trends Data**

*Zheng Tian* (The Pennsylvania State University)

*Johan Bollen* (Indiana University Bloomington)

*Stephan Goetz* (The Pennsylvania State University)

*Timothy Slaper* (Indiana University Bloomington)

**Discussant:** *Philip Watson*

**Large Metros and the Future of the U.S. Economy**

*John Connaughton* (UNC Charlotte)

*Caroline Swartz* (UNC Charlotte)

**Discussant:** *Michael Lahr*

**High Paying Sectors or Above Average Wages: What Matters More in Regional Wage Disparities**

*Philip Watson* (University of Idaho)

**Discussant:** *John Connaughton*

**11:00-12:30 p.m. 4E: HEALTH ISSUES**

**CHAIR:** *Michael Betz* (The Ohio State University)

**LOCATION:** Logan

**The Impact of Changes in Socioeconomic Status on Obesity Prevalence**

*Collin Hodges* (West Virginia University)

**Discussant:** *Sarah Low*

**Optimal Cooperation of Medical Care and Nursing Care in Two Regions Spatial Model**

*Tohru Naito* (Doshisha University, Japan)

**Discussant:** *Michael Betz*

**Ambient Air Pollution and Asthma Hospitalization: Evidence of Pennsylvania Counties**

*Elham Erfanian* (West Virginia University)

**Discussant:** *Frank O'Connor*

**12:30-2:30 p.m. Awards Luncheon and Fellows Address (Peter Schaeffer, "The Rules of the Game"): Juniper**

**2:45-4:45 p.m. 5A: OIL & GAS ISSUES**

**CHAIR:** *Jason Brown* (Federal Reserve Bank of Kansas City)

**LOCATION:** Rittenhouse

**Are There Regional Differences in Innovation Among Oil and Gas Firms?**

*Brian Goldfinch* (University of Phoenix)

*Jesse Arnett* (University of Phoenix)

*Fiona Sussan* (University of Phoenix)

**Discussant:** *Heather Stephens*

**Regional Employment Impacts from Recent Energy Development Activities in Arkansas, Kansas, and Oklahoma**

*Kangil Lee* (Oklahoma State University)

*Brian Whitacre* (Oklahoma State University)

**Discussant:** *Fiona Sussan*

**Valuing Shale Gas Development in Rural Areas**

*Zachary Keeler* (West Virginia University)

*Heather Stephens* (West Virginia University)

**Discussant:** *Jason Brown*

**Effects of Severance Tax on Economic Activity: Evidence from the Oil Patch**

*Jason Brown* (Federal Reserve Bank of Kansas City)

*Peter Maniloff* (Colorado School of Mines)

*Dale Manning* (Colorado State University)

**Discussant:** *Kangil Lee*

**2:45-4:45 p.m. 5B: WATER ISSUES, SPECIAL SESSION ORGANIZED BY CINDY ROGERS**

**CHAIR:** *Cynthia Rogers* (University of Oklahoma)

**LOCATION:** Washington

**A Multi-Regional Input-Output Analysis of Water in the Southeastern United States**

*Dayton Lambert* (University of Tennessee)

*Di Sheng* (Colorado State University)

*Burton English* (The University of Tennessee)

*Jamey Menard* (University of Tennessee Institute of Agriculture)

*Christopher Clark* (University of Tennessee)

*Lixia Lambert* (University of Tennessee)

**Discussant:** *Christa Court*

**Water-Energy Prototype Model for the NEMS Modeling Platform: Thermoelectric Water Demand and its Implications on Regional Electricity Markets**

*Christa Court* (University of Florida, Food and Resource Economics Department)

*Erik Shuster* (U.S. Department of Energy, National Energy Technology Laboratory)

*Arun Iyengar* (U.S. Department of Energy, National Energy Technology Laboratory)

*Lessly Goudarzi* (OnLocation, Inc.)

*Dale Keairns* (U.S. Department of Energy, National Energy Technology Laboratory)

*Charles Zelek* (U.S. Department of Energy, National Energy Technology Laboratory)

**Discussant:** *Dayton Lambert*

**Estimating Water Demand under a Block Rate Structure: Unraveling Demand and Supply**

*Cynthia Rogers* (University of Oklahoma)

*Brandi Stitzel* (West Texas A&M)

**Discussant:** *Mark Skidmore*

**2:45-4:45 p.m. 5C: SUPPLY CHAINS AND BUSINESS DYNAMICS**

**CHAIR:** *Randall Jackson* (West Virginia University)

**LOCATION:** Logan

**Will Work for Food: The Role of New and Small Food Manufacturing Innovators in Employment Dynamics**

*Sarah Low* (USDA Economic Research Service)

*Marcelo Castillo* (USDA Economic Research Service)

*Dawn Thilmany McFadden* (Colorado State University)

**Discussant:** *Dave Shideler*

**Can Declining Business Dynamism Explain Job Changing and Migration Decisions? Evidence from the NLSY97**

*Sydney Schreiner* (The Ohio State University)

**Discussant:** *Sarah Low*

**Interdependence in the Automotive Supply Chain: Evaluating Skill Demand**

*Allison Forbes* (The University of North Carolina at Chapel Hill)

**Discussant:** *Randall Jackson*

**Appalachian Coal Dependence: A Supply Chain Analysis**

*Randall Jackson* (West Virginia University)

*Peter Jarosi* (Regional Research Institute, West Virginia University)

**Discussant:** *Allison Forbes*

**2:45-4:45 p.m. 5D: INNOVATION**

**CHAIR:** *Daniel Crown* (The Ohio State University)

**LOCATION:** Salon 2



**The Net Effect of Urban Technological Progress on the Rural Labor Market: Evidence from U.S. Patent Counts**

*Oudom Hean* (The Ohio State University)

**Discussant:** *Amit Batabyal*

**Schumpeterian Creative Class Competition, Innovation Policy, and Regional Economic Growth**

*Amit Batabyal* (Rochester Institute of Technology)

*Seung Yoo* (Sookmyung Women's University, North Korea)

**Discussant:** *John Mann*

**Small Business Innovation Research Awards and Socially Disadvantaged Regions**

*John Mann* (Michigan State University)

*Scott Loveridge* (Michigan State University)

*Steve Miller* (Michigan State University)

**Discussant:** *Oudom Hean*

**In-State College Enrollment and Later Life Location Decisions**

*John Winters* (Oklahoma State University)

**Discussant:** *Daniel Crown*

**2:45-4:45 p.m. 5E: HOUSING II**

**CHAIR:** *Steven Deller* (University of Wisconsin-Madison)

**LOCATION:** Salon 3

**The Effect of Natural Amenities on Housing Rent/Value Ratios During and After the Financial Crisis**

*Rodrigo Perez-Silva* (The Ohio State University)

*Mark Partridge* (The Ohio State University)

*Alessandra Faggian* (Gran Sasso Science Institute, Italy)

*Philip Graves* (University of Colorado, Boulder)

**Discussant:** *Peter Han*

**The Effect of Household Debt and Wealth on Subsequent Tenure Choice**

*Donovan Anderson* (Census Bureau)

*John Hisnanick* (Census Bureau)

*Hye-Sung Han* (University of Missouri - Kansas City)

**Discussant:** *Amanda Ross*

**Do Gay Male and Lesbian Couples Cause Gentrification?**

*Mia Goodnature* (University of Alabama)

*Daniel Henderson* (University of Alabama)

*Amanda Ross* (University of Alabama)

**Discussant:** *Warren Kriesel*

**Rural Housing and Economic Development**

*Steven Deller* (University of Wisconsin-Madison)

*Matt Kures* (University of Wisconsin-Extension Center for Community and Economic Development)

*Tessa Conroy* (University of Wisconsin-Madison)

**Discussant:** *Scott Loveridge*

**5:00-6:00 p.m. MEDIA TRAINING FOR ACADEMICS** (open to all SRSA participants)

LOCATION: Rittenhouse

How do I respond to a call from a reporter? How can I increase the impact of my work with a press release?

This workshop will answer these questions and more.

*Shira Rascoe and Dominik Doemer* (Scholars Strategy Network)

**5:30-6:30 p.m. 6: UNDERGRADUATE POSTER SESSION**

CHAIR: *Heather Stephens* (West Virginia University)

LOCATION: Ballroom Foyer

**The Effects of Transparency on Governance and Development**

*Kayla Conforti* (Washington & Jefferson College)

**Taxation and its Effects on Human Rights Abuses**

*Caridad Dominguez* (University of Florida)

**New Hampshire Restaurant's Local Agricultural Product Purchasing Habits: A Statistical Analysis**

*Lily Harris* (University of New Hampshire)

**NMR Guided Screening for Biocatalyzed Transformations**

*Jonnathan Marin* (Rider University)

**On the Potential Labor Market Outcomes of Unemployed Women in Poverty in Philadelphia**

*Mykhalo Petrovskyy* (Rutgers University)

**What Influence Does State Level Economic and Demographic Elements Have on its Level of Educational Achievement?**

*Joshua St. Clair* (Washington & Jefferson College)

**High Voltage Transmission: What the US Can Learn from Indonesia**

*Cecilia White* (Bryn Mawr College)

**6:30-8:30 p.m. Reception:** Ballroom Foyer

**Notes**

## Saturday, March 17

**7:00-8:00 a.m.** RRS Editorial Board Meeting (by invitation only): Mezzanine 2

**8:00-10:00 a.m. 7A: MIGRATION**

CHAIR: *Heather Stephens* (West Virginia University)

LOCATION: Rittenhouse

**Technological Migration and Regional Income Disparity: Evidence from U.S. Patent Counts**

*Oudom Hean* (The Ohio State University)

*Nattanicha Chairassamee* (The Ohio State University)

**Discussant:** *Heather Stephens*

**Asymmetry and Threshold Effects in Scientists' Tax-Induced Migration**

*Yizhou Zhang* (University of Illinois at Urbana-Champaign)

**Discussant:** *John Winters*

**Foreign-Born Graduates and Innovation at Domestic Institutions**

*Daniel Crown* (The Ohio State University)

*Alessandra Faggian* (Gran Sasso Science Institute, Italy)

*Jonathan Corcoran* (The University of Queensland, Australia)

**Discussant:** *John Mann*

**Motherhood, Migration, and Self-Employment of College Graduates**

*Heather Stephens* (West Virginia University)

*John Winters* (Oklahoma State University)

*Zhengyu Cai* (Southwestern University of Finance and Economics, China)

**Discussant:** *Daniel Crown*

**8:00-10:00 a.m. 7B: INDUSTRIAL CLUSTERS & DIVERSITY**

CHAIR: *Andrew Van Leuven* (The Ohio State University)

LOCATION: Washington

**Measuring Reorganization in Local Economies**

*Yicheol Han* (The Pennsylvania State University)

*Stephan Goetz* (The Pennsylvania State University)

**Discussant:** *Andrew Van Leuven*

**Interpreting Economic Diversity as the Presence of Multiple Specializations**

*Jing Chen* (West Virginia University)

**Discussant:** *Jason Brown*

**Ripe for Investment: What Makes a Legacy City?**

*Andrew Van Leuven* (The Ohio State University)

**Discussant:** *Jing Chen*

**8:00-10:00 a.m. 7C: GAME THEORY & MACROECONOMICS**

**CHAIR:** *Ajay Sharma* (Indian Institute of Management Indore, India)

**LOCATION:** Logan

**Economic Liberalization and External Shocks. The Hypothesis of Convergence Revisited for the Mexican States, 1994 – 2015**

*Irving Llamosas-Rosas* (Banco de Mexico, Mexico)

*Erick Rangel* (Banco de Mexico, Mexico)

*Felipe Fonseca* (Banco de Mexico, Mexico)

**Discussant:** *Ajay Sharma*

**Responsive Agents: Economic Policy Uncertainty and Dollar-Pound Exchange**

*Zachary Bartsch* (George Mason University)

**Discussant:** *Irving Llamosas-Rosas*

**Matching with Priorities and Property Rights: An Application to a Parking Space Assignment Problem**

*Jinyong Jeong* (Boston College)

**Discussant:** *Zachary Bartsch*

**Leadership in Tax and Public Investment Competition**

*Ajay Sharma* (Indian Institute of Management Indore, India)

*Rupayan Pal* (IGIDR Mumbai, India)

**Discussant:** *Jinyong Jeong*

**8:00-10:00 a.m. 7D: ECONOMIC IMPACTS**

**CHAIR:** *Judith Stallmann* (University of Missouri)

**LOCATION:** Salon 2

**The Economic Impact of Small Regional Commissions: Evidence from the Delta Regional Authority**

*Tyler Morin* (The Ohio State University)

**Discussant:** *John Pender*

**Economic Impacts, Benefits, and Costs of Infrastructure Investment in the United States: Lessons from the Literature**

*John Pender* (USDA Economic Research Service)

**Discussant:** *Prottoy Akbar*

**Estimating the Economic Impacts of Ethylene Steam Crackers in U.S. Counties**

*Robert Dunn* (Washington & Jefferson College)

*Leslie Dunn* (Washington & Jefferson College)

**Discussant:** *Steven Deller*

**Impacts of Reductions in Pension Payments on County Growth**

*Steven Miller* (Michigan State University)

*Steven Deller* (University of Wisconsin-Madison)

*Judith Stallmann* (University of Missouri)

**Discussant:** *Tyler Morin*

**8:00-10:00 a.m. 7E: REGIONAL SCIENCE METHODS**

**CHAIR:** *Peter Jarosi* (Regional Research Institute, West Virginia University)

**LOCATION:** Salon 3

**Reexamining the Tradable-Nontradable Nexus**

*Michael Osei* (Oklahoma State University)

*Shruti Sengupta* (Oklahoma State University)

**Discussant:** *Peter Jarosi*

**Who Works for Whom in South Korea: A Structural Shift-Share Decomposition Analysis, 2003-2013**

*Michael Lahr* (Rutgers University)

*Hyunjoo Jang* (Rutgers University)

*Erik Dietzenbacher* (University of Groningen, Netherlands)

**Discussant:** *Randall Jackson*

**An Illustration of the Lucas Critique in an Input-Output Modeling Framework**

*Peter Jarosi* (Regional Research Institute, West Virginia University)

*Randall Jackson* (West Virginia University)

**Discussant:** *Michael Lahr*

**10:00-10:30 a.m. Refreshment Break, Ballroom Foyer**

**10:30-12:30 p.m. 8A: NATURAL DISASTERS, SPECIAL SESSION ORGANIZED BY CHRISTA COURT**

CHAIR: *Christa Court* (University of Florida)

LOCATION: Rittenhouse

**Post-Disaster Changes to Economic Output: The Interaction of Disaster Type and the Agriculture, Industry, and Services Sectors**

*Madeline Messick* (no affiliation)

**Discussant:** *Christa Court*

**Impacts of Climate-Related Natural Disasters on Local Labor Markets**

*Yong Chen* (Oregon State University)

*Jianhong Mu* (Texas A&M University)

**Discussant:** *Madeline Messick*

**Economic Impacts of Hurricane Irma on Florida Agriculture**

*Christa Court* (University of Florida)

*Alan Hodges* (University of Florida)

*Rodney Clouser* (University of Florida)

*Spiro Stefanou* (University of Florida)

*John Vansickle* (University of Florida)

**Discussant:** *Yong Chen*

**10:30-12:30 a.m. 8B: GENDER & RACE ISSUES**

CHAIR: *Tessa Conroy* (University of Wisconsin-Madison)

LOCATION: Washington

**Race and Fatal Police Encounters**

*Olugbenga Ajilore* (University of Toledo)

**Discussant:** *Ana Tribin*

**The Case of the "Missing Men": How Gender Disparities in Higher Educational Attainment Connect to Local Economic Development**

*Bonnie Bounds* (The Ohio State University)

**Discussant:** *Tessa Conroy*

**Domestic Violence Against Rural Women in Colombia: The Role of Labor Income**

*Ana Tribin* (Central Bank of Colombia, Colombia)

*Ana Iregui* (Central Bank of Colombia, Colombia)

*Maria Teresa Ramirez* (Central Bank of Colombia, Colombia)

**Discussant:** *Bonnie Bounds*

**10:30-12:30 a.m. 8C: REGIONAL GOVERNANCE ISSUES**

CHAIR: *Francis Ahking* (University of Connecticut)

LOCATION: Logan

**A Blessing or a Curse: The Effect of City-County Consolidation on Local Economies, Evidence from China**

*Nanxin Deng* (The Ohio State University)

*Bo Feng* (The Ohio State University)

**Discussant:** *Deepak Sethia*

**Regional Distribution of Federal Budget in India**

*Deepak Sethia* (Indian Institute of Management, Indore, India)

**Discussant:** *Francis Ahking*

**The Welfare Cost of Business Cycles at the States' Levels**

*Francis Ahking* (University of Connecticut)

**Discussant:** *Nanxin Deng*

**10:30-12:30 a.m. 8D: INDUSTRY ISSUES**



CHAIR: *Troy Mix* (University of Delaware, Institute for Public Administration)

LOCATION: Salon 2

**Measuring Industry Co-Agglomeration  
Across County Borders**

*Zheng Tian* (The Pennsylvania State University)

*Stephan Goetz* (The Pennsylvania State University)

**Discussant:** *Troy Mix*

**Corporate Income Tax, Formula  
Apportionment, and Multiregional Firms**

*Santiago Pinto* (Federal Reserve Bank of Richmond)

**Discussant:** *Zheng Tian*

**Mapping the Regional Institutional Context  
of the Cybersecurity Industry**

*Troy Mix* (University of Delaware, Institute for Public Administration)

*Eli Turkel* (University of Delaware, Institute for Public Administration)

*Mesut Karakoc* (University of Delaware, Institute for Public Administration)

**Discussant:** *Santiago Pinto*

**10:30-12:30 a.m. 8E: REGIONAL  
ENTREPRENEURIAL ECOSYSTEMS (EE):  
EMIC AND ETIC APPROACHES TO EE  
DEVELOPMENT, SPECIAL SESSION  
ORGANIZED BY FIONA SUSSAN**

CHAIR: *Fiona Sussan* (University of Phoenix)

LOCATION: Salon 3

**An Etic Approach to Examine EE Building in  
the MENA Region**

*Dena Bateh* (University of Phoenix)

*Lou Daily* (University of Phoenix)

*Fiona Sussan* (University of Phoenix)

**Discussant:** *Jesse Arnett*

**An Emic and an Etic Approach to  
Understand the Evolution of EE in the  
Greater China Region**

*Fiona Sussan* (University of Phoenix)

*Subas Nandy* (University of Phoenix)

**Discussant:** *Dena Bateh*

**Is Low Entrepreneurial Spirit Contagious? A Discussion of Japanese Colonial Influence on South Korea**

*Fiona Sussan* (University of Phoenix)

*Lou Daily* (University of Phoenix)

*Kim Capehart* (University of Phoenix, Augusta University Dental College of Georgia)

**Discussant:** *Brian Sloboda*

**Regional Entrepreneurial Ecosystems (EE) Development in Context: A Case of Romania**

*Cristina Marine* (University of Phoenix)

*Fiona Sussan* (University of Phoenix)

**Discussant:** *Brian Sloboda*

**12:30-2:30 Luncheon, Presidential Address (Richard Cebula, "Reflections on the Market for Municipal Bonds") & Business Meeting: Juniper**

**Notes**

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## Notes



**Public Policy Analysis:** The BBER has a long history of research and analysis of public finance and public policy issues in West Virginia. Recent projects include studies on cigarette excise taxation, personal income tax policy, and Right to Work policy.

**Industry Studies:** BBER researchers routinely study particular industries for industry and government groups. Our “Coal Production in West Virginia: 2015-2035” has been cited around 100 times by state and national media outlets.

**Legislative Testimony:** BBER economists formally testify before the West Virginia Legislature on a regular basis. In 2014 a BBER economist testified before the U.S. House of Representatives, Subcommittee on Contracting and Workforce.

**Health Policy:** Health policy is of vital interest to our state. For instance, we recently examined the possibility of consolidating the state’s public health departments in terms of potential to lower system-wide expenditures and to generate additional revenue.

**Energy Policy:** West Virginia being an energy state, the BBER regularly studies energy policy issues. Recently we published “Government Incentives to Promote Demand for West Virginia Coal.”

[www.be.wvu.edu/bber](http://www.be.wvu.edu/bber)





**Mission.** Founded in 1961, the Council for Community and Economic Research (C2ER) is a membership organization that promotes excellence in community and economic research by working to improve data availability, enhance data quality, and foster learning about regional economic analytic methods. C2ER accomplishes this mission by:

- Conducting training, advocacy, and research
- Delivering innovative products and services for researchers
- Developing professional networks

**Members.** C2ER's 700 members span a broad range of specialty skills and collectively touch all aspects of state and local community and economic development in the U.S. They include research professionals from:

- |                             |                                |
|-----------------------------|--------------------------------|
| • Chambers of Commerce      | • Utility Companies            |
| • Economic Development Org. | • Workforce Development Boards |
| • Government Agencies       | • Community Development Org.   |
| • Universities              | • Consultants & Data Providers |

**Products & Services.** The Council for Community and Economic Research (C2ER) produces several proprietary products and provides a variety of services to members and non-members.

**Cost of Living Index:** The quarterly Cost of Living Index compares cost of living differences between urban areas weighted by different categories of consumer expenditures for mid-management households.

**State Business Incentives Database:** The State Business Incentives Database is a searchable database of incentive programs used by states for strategic business attraction. It includes more than 1,900 incentive programs organized according to program category, program type, geographic focus, and business need.

**State Economic Development Expenditures Database:** Collected by aggregating state budget data, the Expenditures Database assesses total resources available for economic development activity across more than 15 functional areas and multiple funding sources using consistent funding categorizations.

**Training / Webinars:** In cooperation with the LMI Institute, C2ER offers a comprehensive training program for economic development and labor market information analysts and develops and delivers customized training.

**Certification:** C2ER's primary professional certification, Certified Community Researcher (CCR), is the industry standard for recognizing excellence in community and economic research. CCRs undertake a rigorous course of training and evaluation to earn this distinction.

**Weekly Update:** The C2ER/LMI Institute Weekly Update is an informational "one-stop" for economic development and labor market researchers.

**Annual Conference:** The C2ER Annual Conference is the primary national conference for economic development, and is held in conjunction with the LMI Annual Forum.

**Technical Assistance:** C2ER aids federal and state agencies by conducting surveys, providing facilitation, and implementing one-on-one skill development in using statistics in data-driven decision-making.

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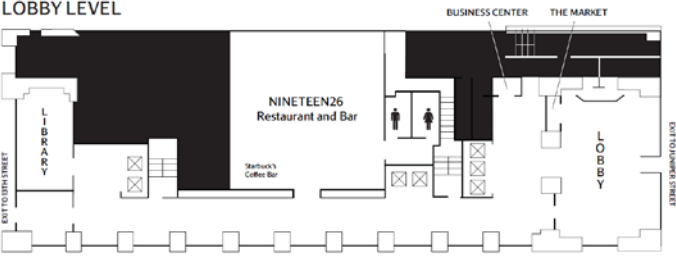
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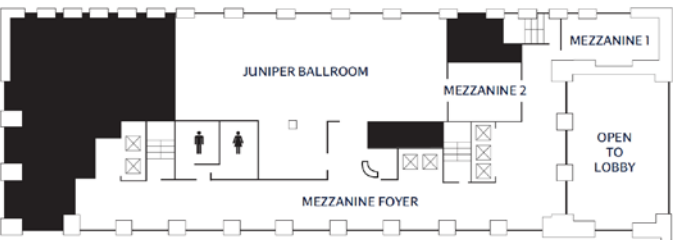
## Floorplans

Registration and refreshment breaks will be in the Ballroom Foyer on 1<sup>st</sup> floor.

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