

2021 CONFERENCE PROGRAM



MID-CONTINENT REGIONAL SCIENCE ASSOCIATION 51ST ANNUAL CONFERENCE

IMPLAN 13TH BIENNIAL NATIONAL USER'S CONFERENCE

FINAL

JUNE 9-11, 2021

Note: On or before June 7, conference registrants will receive an email from jolleyg1@ohio.edu with the Zoom link for the conference. Please check your junk/spam folder. If you do not receive a link by June 7, please email jolleyg1@ohio.edu.

THE MID-CONTINENT REGIONAL SCIENCE ASSOCIATION

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THE JOURNAL OF REGIONAL ANALYSIS & POLICY

Joshua Hall, Editor-in-Chief
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G. Jason Jolley, Program Committee Chair
Ohio University

Eric Belleville, Program Committee Co-Chair
Ohio University

Special thanks to IMPLAN for their generous sponsorship of the conference.

**MCRSA Program Schedule Overview
~ June 9-11, 2021 ~**

Note: All times are listed in the Eastern Time Zone

Wednesday, June 9

3:00PM-5:00PM **Executive Committee Meeting (All Members Welcome)**

Thursday, June 10

8:30AM-9:00AM **Welcome**
9:00AM -10:00AM **Natural Resources**
10:00AM -11:00AM **Innovation and Competitiveness**
11:00AM-12:15PM **Student Papers**
12:15PM-12:30PM **Break**
12:30PM-1:15PM **Awards**
1:15PM-2:00PM **IMPLAN: Introducing Environmental Data in IMPLAN**
2:00PM-3:00PM **Presidential Symposium**
3:00PM-4:00PM **Economic Impact Analysis: General**
4:00PM-5:00PM **Economic Impact: Energy**
5:00PM-6:15PM **Economic Impact: Agriculture**

Friday, June 11

9:00AM-9:45AM **Business Meeting**
9:45AM-11:00AM **West Virginia Political Economy**
11:00AM-12:00PM **Housing**
12:00PM-12:15PM **Break**
12:15PM-1:30PM **IMPLAN: Digging into the IMPLAN Data Library**
1:30PM-2:30PM **Income and Migration**
2:30PM-3:30PM **Entrepreneurship and Skills**
3:30PM-4:45PM **Disasters and COVID**
4:45PM-5:00PM **Concluding Remarks**

2021 ANNUAL MEETING PROGRAM

THURSDAY, JUNE 10, 2021

SESSION 1: WELCOME, 8:30 A.M. – 9:00 A.M.

SESSION 2: NATURAL RESOURCES, 9:00 A.M. – 10:00 A.M.

Session Chair: Amit Batabyal, aabgsh@rit.edu

A Game-Theoretic Model of Water Theft During a Drought

Amit Batabyal, Rochester Institute of Technology, aabgsh@rit.edu

Hamid Beladi, University of Texas at San Antonio

Optimal Establishment of Plantations for Non Industrial Private Landowners

Sayon Ghosh, Purdue University, ghosh68@purdue.edu

Michael R. Saunders, Purdue University

Mo Zhou, Purdue University

Determinates of White-Tail Deer Harvests in Georgia

Evan Page, Georgia Southern University, mtoma@georgiasouthern.edu

Michael Toma, Georgia Southern University

Discussants:

Sayon Ghosh

Evan Page

Amit Batabyal

THURSDAY, JUNE 10, 2021

SESSION 3: INNOVATION AND COMPETITIVENESS, 10:00 A.M. – 11:00 A.M.

Session Chair: Michael Wallner, Michael.wallner@techlinkcenter.org

Analysis of the Rapid Innovation Fund (RIF) for the U.S. Department of Defense

Michael Wallner, Montana State University, Michael.wallner@techlinkcenter.org
Will Swearingen, Techlink/ Montana State University
Robin Gaster, Incumetrics and George Washington University
Jeff Peterson, Montana State University, jeffrey.peterson2@montana.edu
Ray Friesenhahn, Techlink/ Montana State University

Interregional Competition for Mobile Creative Capital With and Without Physical Capital Mobility

Amit Batabyal, Rochester Institute of Technology, aabgsh@rit.edu
Peter Nijkamp, Open University, Heerlen

Comparative Economic Outcomes from SBIR Funding: “Underserved” versus Higher-award States

Jeff Peterson, Montana State University, jeffrey.peterson2@montana.edu
Michael Wallner , Techlink/ Montana State University
Will Swearingen, Techlink/ Montana State University
Michelle Villarreal Zook, Techlink/ Montana State University
Robin Gaster, Incumetrics and George Washington University

Discussants:

G. Jason Jolley, Ohio University, jolleyg1@ohio.edu
Michael Wallner
Amit Batabyal

THURSDAY, JUNE 10, 2021

SESSION 4: STUDENT PAPERS IN REGIONAL SCIENCES, 11:00 A.M. – 12:15 P.M.

Session Chair: Jason Jolley, Ohio University, jolleyg1@ohio.edu

Healthy Diet Affordability in North Alabama During COVID-19

Nicholas Knighten, The University of Alabama in Huntsville,
nicholasknighten@rocketmail.com

A Study of Crime in the Philadelphia Promise Zone

Alexander Marsella, West Virginia University, acm0043@mix.wvu.edu

Locational Characteristics of Rural Business Establishments as Predictors of Long-Term Economic Resilience

Andrew Van Leuven, Ohio State University, vanleuven.3@osu.edu

Effect of Medicaid Expansion on Maternal Mental Health and Labor Supply

Arwa Alalwani, University of Wisconsin – Madison, arwa.622@gmail.com
Samhitha Srinivas, University of Wisconsin – Madison, sam19197@gmail.com

Analyzing America’s Commuter Networks and Economic Activity

Samhitha Srinivas, University of Wisconsin – Madison, sam19197@gmail.com

Discussants:

Alexander Marsella
Andrew Van Leuven
Arwa Alalwani
Nicholas Knighten
Jason Jolley

THURSDAY, JUNE 10, 2021

SESSION 5: BREAK, 12:15 P.M. – 12:30 P.M.

SESSION 6: AWARDS, 12:30 P.M. – 1:15 P.M.

MCRSA and Regional Science Awards

Leadership Award presented to Bridget Guerrero

Distinguished Service Award presented to David Sorenson

Distinguished Fellow Award presented to Mark Skidmore

Early Career Award presented to Craig Carpenter

Research Impact Award for the Most Outstanding *Journal of Regional Analysis & Policy* Article presented to Stephan J. Goetz, Mark Partridge, Steve C. Deller, and David A. Fleming for "Evaluating US rural entrepreneurship policy." *Journal of Regional Analysis & Policy* 40, no. 1 (2010): 20-33.

SESSION 7: IMPLAN, 1:15 P.M. – 2:00 P.M.

Introducing Environmental Data in IMPLAN

Candi Clouse, IMPLAN, candi.clouse@implan.com

IMPLAN is going green! We are excited to present the new environmental data in IMPLAN. These new environmental indicators are available within the application to examine the current status of the environmental impacts in your region by industry, as well as the associated environmental impacts resulting from your economic impact analysis. The environmental categories include criteria pollutants, greenhouse gases, land use, mineral use, nitrogen and phosphorus release to water, pesticide emissions, toxic chemical releases, and water use. Join us to learn about this exciting new dataset created with the EPA and IMPLAN!

THURSDAY, JUNE 10, 2021

SESSION 8: PRESIDENTIAL SYMPOSIUM: NATURAL RESOURCE AND REGIONAL ECONOMICS, 2:00 P.M. – 3:00 P.M.

Session Chair: Craig Carpenter, ccarpenter@tamu.edu

Locational Determinants and Data Issues in the Wood Products Supply Chain

Craig Carpenter, Michigan State University, ccarpenter@tamu.edu

Anders Van Sandt, University of Wyoming

Raju Pokharel, Michigan State University

Scott Loveridge, Michigan State University

Analyzing Water Policy for Agriculture with a Regional CGE Model in Texas

Devon Cassetty, West Texas A&M University, drcassetty1@buffs.wtamu.edu

Bridget Guerrero, West Texas A&M University, bguerrero@wtamu.edu

Dale Manning, Colorado State University

Regional Effects of the Construction of a Dedicated Cotton Gin in the Texas South Plains Region

Jeffrey Wright, Texas A&M University, jwright7@email.tamu.edu

Rebekka Dudensing, Texas A&M University

John Robinson, Texas A&M University

Discussants:

Devon Cassetty

Jeffery Wright

Craig Carpenter

THURSDAY, JUNE 10, 2021

SESSION 9: ECONOMIC IMPACT ANALYSIS: GENERAL, 3:00 P.M. – 4:00 P.M.

Session Chair: Gregory Alward, greg.alward@alwardinstitute.org

Contribution Analysis Using BEA Outdoor Recreation Satellite Accounts

Gregory Alward, Alward Institute for Collaborative Science,
greg.alward@alwardinstitute.org

Economic Impact and Policy Incentives: Comparing Impact Pre-and Post-Incentive

Brigid Tuck, University of Minnesota, tuckb@umn.edu

Economic Impact of Ohio Foundation of Independent Colleges

G. Jason Jolley, Ohio University
Douglas Eric Belleville, Ohio University, belleville@ohio.edu

Discussants:

Brigid Tuck
Douglas Eric Belleville
Gregory Alward

THURSDAY, JUNE 10, 2021

SESSION 10: ECONOMIC IMPACT ANALYSIS: ENERGY, 4:00 P.M. – 5:00 P.M.

Session Chair: Nathan Perry, naperry@coloradomesa.edu

The Economic Contribution of Coal Power and Coal Mining, and the Economic Impact of Solar Power and Natural Gas Power in NW Colorado

Nathan Perry, Colorado Mesa University, naperry@coloradomesa.edu

Eddy County Petroleum Industry Impact on New Mexico, 2012-2018

Kramer Winingham, New Mexico State University, jkramer@nmsu.edu

Brooke Montgomery, New Mexico State University

Trashard Mays, New Mexico State University

Chris Dunn, Dunn Consulting

Economic Contributions of Offshore Wind and Offshore Oil and Gas Activities during Fiscal Year 2020

Mark Jensen, Bureau of Ocean Energy Management, mark.jensen@boem.gov

Emma Chaiken, Bureau of Ocean Energy Management, emma.chaiken@boem.gov

Discussants:

Kramer Winingham

Emma Chaiken

Nathan Perry

THURSDAY, JUNE 10, 2021

SESSION 11: ECONOMIC IMPACT ANALYSIS: AGRICULTURE, 5:00 P.M. – 6:15 P.M.

Session Chair: Leah English, lae001@uark.edu

Disaggregating industry sectors for input-output modeling: A regional analysis of the U.S. beef industry

Leah English, University of Arkansas, lae001@uark.edu
Jennie Popp, University of Arkansas
Gregory Alward, Alward Institute for Collaborative Science

Augment Economic Contribution Analysis with a Semantic Model: Add Reasoning to I-O with Theory-Directed Semantic Decomposition

Gregory Alward, Alward Institute for Collaborative Science,
greg.alward@alwardinstitute.org

Structural Decomposition Analysis in a Global Framework: Using WIOD to Disentangle Changes in Agricultural and Food Production

Mengming Li, University of Florida, mengming.li@ufl.edu
Joao-Pedro Ferreira, University of Florida
Christa Court, University of Florida

Economic Impacts of Agriculture in the Northeastern U.S.: An IMPLAN Study

Christopher Laughton, Farm Credit East, chris.laughton@farmcrediteast.com
Rigoberto Lopez, University of Connecticut
Jeremy Jelliffe, University of Connecticut

Discussants:

Gregory Alward
Mengming Li
Christopher Laughton
Leah English

FRIDAY, JUNE 11, 2021

SESSION 12: BUSINESS MEETING, 9:00 A.M. – 9:45 A.M.

SESSION 13: WEST VIRGINIA POLITICAL ECONOMY, 9:45 A.M. – 11:00 A.M.

Session Chair: Joshua Hall, joshua.hall@mail.wvu.edu

Institutions, Capital, and Growth: Evidence from the States

Sarah Ihlenfeld, West Virginia University, sli0006@mix.wvu.edu
Joshua Hall, West Virginia University

Determinants of Legislator Voting on Education Savings Accounts: Evidence from Tennessee

Ben Luikart, West Virginia University, bl0064@mix.wvu.edu
Joshua Hall, West Virginia University

Who Votes For Right-To-Work? A Median Voter Analysis of Missouri's Proposition A

Colin Steitz, West Virginia University, cms0087@mix.wvu.edu

The Political Economy of State Right to Farm Amendments: Evidence from Missouri

Levi Russell, University of Kansas
Joshua Hall, West Virginia University, joshua.hall@mail.wvu.edu

Discussants:

Ben Luikart
Colin Steitz
Levi Russell
Sarah Ihlenfeld
Craig Carpenter, ccarpenter@tamu.edu

FRIDAY, JUNE 11, 2021

SESSION 14: HOUSING, 11:00 A.M. – 12:00 P.M.

Session Chair: Camila Alvayay Torrejon, alvayayt@msu.edu

Impact of Demolitions on Neighboring Property Values: The Case of Detroit

Camila Alvayay Torrejon, Michigan State University, alvayayt@msu.edu

Dusan Paredes, Universidad Catolica del Norte

Mark Skidmore, Michigan State University

Workforce and housing issues and the future of rural communities- A Study of Northeast Iowa

Biswa Das, Iowa State University, bdas@iastate.edu

Does the Use of Public Services Contribute to Housing Price? -- A Study of Louisville's 311 Service Calls

Sumei Zhang, University of Louisville, sumeizhang@louisville.edu

Discussants:

Biswa Das

Sumei Zhang

Camila Alvayay Torrejon

FRIDAY, JUNE 11, 2021

SESSION 15: BREAK, 12:00 P.M. – 12:15 P.M.

SESSION 16: IMPLAN, 12:15 P.M. – 1:30 P.M.

Digging into the IMPLAN Data Library

Candi Clouse, IMPLAN, candi.clouse@implan.com

IMPLAN has an improved option for comparing data across regions, industries, and even time! Data Library is a new IMPLAN data product powered by Looker that allows you to produce data queries and reports on any region in the US on commodities, core competencies, deflators, demographics, employment & wages, environmental, industry, occupation, tax, and trade flow data, all from 2001-2019. Now you can examine questions about the changes in Industries across time, compare regions, and even visualize trade flows across the country.

FRIDAY, JUNE 11, 2021

SESSION 17: INCOME AND MIGRATION, 1:30 P.M. – 2:30 P.M.

Session Chair: Harrison Campbell, hscampbe@uncc.edu

Inequality and Cost of Living in U.S. Metropolitan Areas

Harrison Campbell, University of North Carolina – Charlotte, hscampbe@uncc.edu

Examining the Effects of the 2015 Minimum Wage Increase in South Dakota

David Sorenson, Augustana University, david.sorenson@augie.edu

Occupational Regulation in the Reconstruction Era and Migration Effects on African Americans

Noah Trudeau, West Virginia University, njt0013@mix.wvu.edu

Discussants:

David Sorenson
Noah Trudeau
Harrison Campbell

FRIDAY, JUNE 11, 2021

SESSION 18: ENTREPRENEURSHIP AND SKILLS, 2:30 P.M. – 3:30 P.M.

Session Chair: Austin Sanders, adsf3d33@gmail.com

Building Rural Entrepreneurial Ecosystems: Considering Regional Economic Dependence

Austin Sanders, USDA Economic Research Service, adsf3d33@gmail.com
Sarah Low, University of Missouri – Columbia
Mark White, University of Missouri – Columbia

Is SBIR a Government Venture Fund?

Michael Wallner, Montana State University, Michael.wallner@techlinkcenter.org
Will Swearingen, Techlink/ Montana State University
Robin Gaster, Incumetrics and George Washington University
Jeff Peterson, Montana State University, jeffrey.peterson2@montana.edu
Ray Friesenhahn, Techlink/ Montana State University

Impacts of Skills Centrality on Regional Economic Productivity: A Complex Systems Approach

Keith Waters, George Mason University, kwaters2@gmu.edu

Discussants:

Michael Wallner
Keith Waters
Austin Sanders

FRIDAY, JUNE 11, 2021

SESSION 19: DISASTERS AND COVID, 3:30 P.M. – 4:45 P.M.

Session Chair: Amit Batabyal, aabgsh@rit.edu

Health Interventions in a Poor Region and Resilience in the Presence of a Pandemic

Amit Batabyal, Rochester Institute of Technology, aabgsh@rit.edu
Hamid Beladi, University of Texas at San Antonio

Presentcasting: A Real-time Economic Framework to Evaluate Impacts in a Post-COVID Landscape

Erin Lacey King, Maximus Inc., ErinLaceyKing@maximus.com
Stephan Weiler, Colorado State University
Kendall Stephenson, Colorado State University, Kendall.Stephenson@colostate.edu

Teaching Economic Principles Through Tulip Mania

Jamie Haag, Pacific University, haag1098@pacificu.edu

Aggregate and Income Distribution Impacts of Resilience to Seaport and Highway Transportation Network Disruption

Dan Wei, University of Southern California, danwei@usc.edu
Adam Rose, University of Southern California
Eyuphan Koc, University of Southern California
Zhenhua Chen, Ohio State University
Lucio Soibelman, University of Southern California

Discussants:

Kendall Stephenson
Jamie Haag
Dan Wei
Amit Batabyal

SESSION 20: CLOSING REMARKS, 4:45 P.M. – 5:00 P.M.