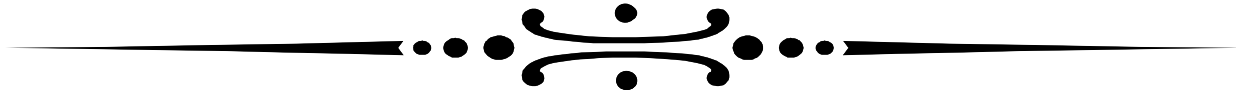


2022 CONFERENCE PROGRAM



MID-CONTINENT REGIONAL SCIENCE ASSOCIATION 52ND ANNUAL CONFERENCE

IMPLAN 14TH BIENNIAL NATIONAL USER'S CONFERENCE

JUNE 3, 2022, VERSION OF CONFERENCE PROGRAM

JUNE 9-10, 2022

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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Ohio University

Tessa Conroy, Representative to the North American Regional Science Council
University of Wisconsin, Madison

THE JOURNAL OF REGIONAL ANALYSIS & POLICY

Joshua Hall, Editor-in-Chief
West Virginia University

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Jamie Pavlik, Texas Tech University

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Richard Cebula, George Mason University

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Ohio University

Eric Belleville, Program Co-Chair
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Special thanks to IMPLAN for their generous sponsorship of the conference.

MCRSA Program Schedule Overview

~ June 9-10, 2022 ~

Note: All times are listed in the Eastern Time Zone

Wednesday, June 8

4:00PM-6:00PM **Executive Committee Meeting (All Members Welcome)**

Thursday, June 9

8:30AM-9:00AM **Welcome**
9:00AM-10:00AM **COVID I**
10:00AM-11:00AM **Presidential Symposium**
11:00AM-12:15PM **Student Papers**
12:15PM-12:30PM **Break**
12:30PM-1:00PM **Awards**
1:00PM-2:00PM **IMPLAN: Introducing the Industry Impact Analysis Event**
2:00PM-3:30PM **Empirical Local Political Economy I**
3:30PM-5:00PM **Empirical Local Political Economy II**

Friday, June 10

9:00AM-10:00AM **Business Meeting**
10:00AM-11:00AM **COVID II**
11:00AM-12:00PM **Competition and Market**
12:00PM-12:15PM **Break**
12:15PM-1:30PM **IMPLAN: IMPLAN Data Sources & Methodology**
1:30PM-2:30PM **Disasters, Natural Resources, and Environment**
2:30PM-2:45PM **Break**
2:45PM-3:45PM **Economic Development**
3:45PM-4:45PM **Economic Impact Analysis**
4:45PM-5:00PM **Concluding Remarks**

2022 ANNUAL MEETING PROGRAM

THURSDAY, JUNE 9, 2022

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

SESSION 2: COVID I, 9:00 A.M. – 10:00 A.M.

Session Chair: Amir Neto, aborgesferreiraneto@fgcu.edu

Year-Round Onsite Sanitation Treatment Efficiency of Constructed Wetlands in the Appalachian Region

Nichole Mazzone, Ohio University, nm625720@ohio.edu

Economic cost of COVID-19 deaths in the USA

Tuyen Pham, Ohio University, tuyen.pham@ohio.edu

Jason Jolley, Ohio University

Ani Ruhil, Ohio University

Determinants of Covid-19 Vaccination in Florida

Amir Neto, Florida Gulf Coast University, aborgesferreiraneto@fgcu.edu

Roxana Ruiz Rodriguez, Florida Gulf Coast University

John Shannon, Florida Gulf Coast University

Discussants:

Tuyen Pham

Amir Neto

Nichole Mazzone

THURSDAY, JUNE 9, 2022

SESSION 3: PRESIDENTIAL SYMPOSIUM, THE ENVIRONMENT AND URBAN NEIGHBORHOOD, 10:00 A.M. – 11:00 A.M.

Session Chair: Sumei Zhang, sumeizhang@louisville.edu

The Effects of Historic Redlining and Urban Heat on Neighborhood Walking Among Older Adults: Findings from the 2017 National Household Travel Survey

Diana Mitsova, Florida Atlantic University, dmitsova@fau.edu
Lilah Besser, University of Miami

Assessing the Landscape Factors of an Urban Park Cooling Effect: A Simultaneous Equations Modeling Approach

Wei Liao, Hunan Agricultural University
Li Hu, Hunan Agricultural University
Jean-Michel Guldmann, The Ohio State University, guldmann.1@osu.edu
Qiongwen Cao, Hunan Sany Polytechnic College
Dexin Gan, Hunan Agricultural University
Xiaoma Li, Hunan Agricultural University

Neighborhood Change and Climate Gentrification: Myth or Fact?

Yanmei Li, Florida Atlantic University, yli22@fau.edu
Sumei Zhang, University of Louisville, sumeizhang@louisville.edu
Serena Hoermann, Florida Atlantic University

Discussants:

Yanmei Li, Florida Atlantic University, yli22@fau.edu
Diana Mitsova
Jean-Michel Guldmann

THURSDAY, JUNE 9, 2022

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

Session Chair: Candi Clouse, IMPLAN, candi.clouse@implan.com

**Urbanization, Land Conversion, and Arable Land in Chinese Cities:
The Ripple Effects of High-Speed Rail**

Meng Yua, The Ohio State University, yu.3066@buckeyemail.osu.edu
Zhenhua Chen, The Ohio State University,
Yuri Mansuryb, Lewis College of Science and Letters, Illinois Institute of Technology

**Does road network structure affect air pollution stocks and flows?
Evidence from road closures in Virginia**

Michael Cary, West Virginia University, macary@mix.wvu.edu

**A review on opportunities and challenges in regional light duty
battery electric vehicle adoption**

Neil Janes, University of Wisconsin-Madison, njanes@wisc.edu

***The Impacts of Wildfires and Wildfire-induced Air Pollution on House
Prices in the United States**

Zeying Huang, Michigan State University, huangze2@msu.edu
Mark Skidmore, Michigan State University

Discussants:

Zeying Huang, huangze2@msu.edu
Meng Yua
Michael Cary
Neil Janes

**M. Jarvin Emerson Student Paper Competition Award Winner*

THURSDAY, JUNE 9, 2022

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

SESSION 6: AWARDS, 12:30 P.M. – 1:00 P.M.

MCRSA and Regional Science Awards

Leadership Award presented to Craig Carpenter

Distinguished Service Award presented to Joshua Hall

Distinguished Fellow Award presented to Amit Batabyal

Early Career Award presented to Tessa Conroy

M. Jarvin Emerson Student Paper Competition Award presented to Zeying Huang

Research Impact Award for the Most Outstanding *Journal of Regional Analysis & Policy* Article presented to Daniel L. Bennett and Richard K. Vedder for the paper:

Bennett, Daniel L., and Richard K. Vedder. "A dynamic analysis of economic freedom and income inequality in the 50 US states: Empirical evidence of a parabolic relationship." *Journal of Regional Analysis & Policy* 43, no. 1 (2013): 42-55

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

Introducing the Industry Impact Analysis Event

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

Candi Clouse, PhD, Vice President of Customer Success & Education Services
IMPLAN is thrilled to present our newest Event Type: Industry Impact Analysis! With the addition of the new event, a user can enter any portion of the production function. This is the first time in IMPLAN history that you can now enter Employment - Wage & Salary and Proprietor, Employee Compensation, Proprietor Income, Labor Income, Intermediate Inputs, Taxes on Production & Imports, Other Property Income, and Output. In this session we will demonstrate how you can utilize the Industry Impact Analysis Event Type to analyze your Industry's Impact!

THURSDAY, JUNE 9, 2022

SESSION 8: EMPIRICAL LOCAL POLITICAL ECONOMY I, 2:00 P.M. – 3:30 P.M.

Session Chair: Dean Stansel, dstansel@smu.edu

The Effect of Economic Freedom on the Employment Dynamics: An Industry-Level Empirical Analysis of the U.S. Metro-Level Panel Data

Imran Arif, Appalachian St., arifi@appstate.edu

Economic Freedom and Incentive Regimes: Evidence from United States MSAs

Jacob Bundrick, Central Arkansas, jbundrick@uca.edu

Economic Freedom, Industry Diversity, and Resilience: Evidence from Metropolitan Statistical Areas

Justin Callais, Texas Tech, justintcallais@gmail.com

Growth Enhancing Economic Freedom and Entrepreneurship at the Local Level

Sriparna Ghosh, University of Cincinnati-Blue Ash, sriparna.eco@gmail.com
Dean Stansel, Southern Methodist University, dean.b.stansel@gmail.com

Metro Economic Freedom and Local Labor Market Conditions

Frank Stephenson, Berry College, Efstephenson@berry.edu
Lauren Heller, Berry College, lheller@berry.edu
Dean Stansel, Southern Methodist University, dean.b.stansel@gmail.com

Discussants:

Frank Stephenson, Efstephenson@berry.edu
Imran Arif
Jacob Bundrick
Justin Callais
Sriparna Ghosh

THURSDAY, JUNE 9, 2022

SESSION 9: EMPIRICAL LOCAL POLITICAL ECONOMY II, 3:30 P.M. – 5:00 P.M.

Session Chair: Dean Stansel, dstansel@smu.edu

Institutions and Incarceration: The Role of Economic Freedom at the County Level

John Dove, Troy, jadove@troy.edu
Laura Dove, Dovel@troy.edu

Economic Freedom and Crime: What does the data at the Metropolitan Statistical Areas Level Reveal?

Jeremy Jackson, North Dakota St., jeremy.jackson@ndsu.edu
Dean Stansel, Southern Methodist University, dean.b.stansel@gmail.com

Local Economic Freedom and Housing Prices

Adam Hoffer, Wisconsin-Lacrosse, ahoffer@uwlax.edu
Dean Stansel, Southern Methodist University, dean.b.stansel@gmail.com
Tim Allen, Florida Gulf Coast University, timallen@fgcu.edu

Metropolitan Economic Freedom and Happiness: Evidence from the General Social Survey

Mavuto Kalulu, Central Arkansas, mkalulu@uca.edu

Causal Determination of Geographically Localized Economic Freedom: Evidence from Close Elections

Danielle Zanzalari, Seton Hall, danielle.zanzalari@shu.edu
Zach Raff, raffzach@uwstout.edu
Andrew Swanson, swansonandr@uwstout.edu

Discussants:

Danielle Zanzalari, danielle.zanzalari@shu.edu
John Dove
Jeremy Jackson
Adam Hoffer
Mavuto Kalulu

FRIDAY, JUNE 10, 2022

SESSION 10: BUSINESS MEETING, 9:00 A.M. – 10:00 A.M.

SESSION 11: COVID II, 10:00 A.M. – 11:00 A.M.

Session Chair: Mark Skidmore, mskidmor@msu.edu

The Spatial Distribution of Skills and Initial Local Labor Market Impacts from the COVID-19 Shock

David Nason, West Virginia University, dhn0003@mix.wvu.edu

Evaluating Economic Impacts of COVID-19 for Arkansas' Agriculture and Forestry Sectors in 2020

Leah English, University of Arkansas, lae001@uark.edu

Matthew Pelkki, University of Arkansas

Rebecca Montgomery, University of Arkansas

Nana Tian, University of Arkansas

Jennie Popp, University of Arkansas

How Many People Died from the Covid-19 Inoculations? An Estimate Based on a Survey of the United States Population

Mark Skidmore, Michigan State University, mskidmor@msu.edu

Discussants:

Mark Skidmore

David Nason

Leah English

FRIDAY, JUNE 10, 2022

SESSION 12: COMPETITION AND MARKET, 11:00 A.M. – 12:00 P.M.

Session Chair: Amit Batabyal, aabgsh@rit.edu

City and Regional Demand for Vaccines Whose Supply Arises From Competition in a Bertrand Duopoly

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

A Preliminary Analysis of Rural Pharmacies

Melissa Kono, University of Wisconsin – Madison, melissa.kono@wisc.edu
Steven Deller, University of Wisconsin – Madison, steven.deller@wisc.edu

Tax Policy and Interregional Competition for Mobile Venture Capital by the Creative Class

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

Discussants:

Sumei Zhang, sumei.zhang@louisville.edu
Amit Batabyal
Melissa Kono

FRIDAY, JUNE 10, 2022

SESSION 13: BREAK, 12:00 P.M. – 12:15 P.M.

SESSION 14: IMPLAN, 12:15 P.M. – 1:30 P.M.

IMPLAN Data Sources & Methodology

Jenny Thorvaldson, PhD, Chief Economist IMPLAN

Generating the annual IMPLAN data involves many raw data sources at varying levels of industry and geographic detail, sometimes with differing definitional frameworks, and most with non-disclosures. Constructing a complete IMPLAN dataset entails gathering data from the various sources, estimating non-disclosed values, disaggregating into finer industry and geographic detail, adjusting for under coverage, and projecting lagged values, all the while controlling estimated values to known totals or other more accurate or recent data to maintain accuracy. This presentation will be an overview of the main sources of data inside the IMPLAN model.

FRIDAY, JUNE 10, 2022

SESSION 15: DISASTERS, NATURAL RESOURCES AND ENVIRONMENT, 1:30 P.M. – 2:30 P.M.

Session Chair: Sumei Zhang, sumeizhang@louisville.edu

Tanneries in Kanpur and Pollution in the Ganges: A Theoretical Analysis

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

Valuing Land in Detroit Using the Option Value Approach

Camila Alvaayay Torrejon, Michigan State University, alvaayay@msu.edu
Mark Skidmore, Michigan State University
John Anderson, Michigan State University

An Empirical Analysis of EV Adoption Rate at the Zipcode Level

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

Discussants:

Sumei Zhang, sumeizhang@louisville.edu
Amit Batabyal
Camila Alvaayay Torrejon

FRIDAY, JUNE 10, 2022

SESSION 16: BREAK, 2:30 P.M. – 2:45 P.M.

SESSION 17: ECONOMIC DEVELOPMENT, 2:45 P.M. – 3:45 P.M.

Session Chair: Craig Carpenter, carpe224@msu.edu

“When Trumpets Fade”: A Socioeconomic and Transportation Perspective of Economic Resilience in the Great Lakes Region.

Lisa Lorena Losada Rojas, Purdue University, llosadar@purdue.edu
Indraneel Kumar, Purdue University
Annie K. Cruz-Porter, Purdue University
Lionel J. Beaulieu, Purdue University
Andrey Zhalnin, Purdue University
Konstantina Gkritza, Purdue University

What Does County GDP Data Tell Us About Economic Development Priorities?

Dagney Faulk, Ball State University, dgfaulk@bsu.edu
Michael Hicks, Ball State University

Descriptive Evidence on U.S. Vetrepneur Survival and Growth

Kristopher Deming, Michigan State University, demingkr@msu.edu
Craig Carpenter, Michigan State University

Discussants:

Kristopher Deming, demingkr@msu.edu
Lisa Lorena Losada Rojas
Dagney Faulk

FRIDAY, JUNE 10, 2022

SESSION 18: ECONOMIC IMPACT ANALYSIS, 3:45 P.M. – 4:45 P.M.

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

Lawrence Livermore National Laboratories Economic Impacts

Michael Wallner, Techlink, Michael.wallner@techlinkcenter.org
Jeff Peterson, Montana State University, jeffrey.peterson2@montana.edu
Joe Hutton, Techlink, joe.hutton@techlinkcenter.org
Michelle Zook, Techlink, michelle.zook@techlinkcenter.org

DoD SBIR/STTR Economic Impact Study

Michael Wallner, Montana State University, Michael.wallner@techlinkcenter.org
Jeff Peterson, Montana State University, jeffrey.peterson2@montana.edu
Joe Hutton, Techlink, joe.hutton@techlinkcenter.org
Michelle Zook, Techlink, michelle.zook@techlinkcenter.org

Economic Impacts from USAF CRADAs

Michael Wallner, Montana State University, Michael.wallner@techlinkcenter.org
Jeff Peterson, Montana State University, jeffrey.peterson2@montana.edu
Joe Hutton, Techlink, joe.hutton@techlinkcenter.org
Michelle Zook, Techlink, michelle.zook@techlinkcenter.org

How working from home reshapes cities and regions

Steven Bond-Smith, University of Hawaii – Manoa, bondsmit@hawaii.edu
Philip McCann, University of Sheffield

Discussants:

G. Jason Jolley, Ohio University, jolleyg1@ohio.edu
Steven Bond-Smith
Candi Clouse
Eric Belleville

SESSION 19: CLOSING REMARKS, 4:45 P.M. – 5:00 P.M.