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.
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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, sumei.zhang@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, sumei.zhang@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:


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

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

Economic Freedom and Incentive Regimes: Evidence from United States MSAs
Jacob Bundrick, Central Arkansas, jbundrick@uca.edu

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, ahofer@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

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


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, sumei.zhang@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 Alvayay Torrejon, Michigan State University, alvayayt@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, sumei.zhang@louisville.edu

Discussants:
   Sumei Zhang, sumei.zhang@louisville.edu
   Amit Batabyal
   Camila Alvayay 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. Vetrepreneur 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.