

THE 39TH APPLIED GEOGRAPHY CONFERENCE

October 26-28, 2016

Galt House Hotel
Louisville, Kentucky

Sponsors

Department of Geography, **Kent State University**, Kent, OH
Department of Geography, **Binghamton University**, Binghamton, NY
Department of Geography, **Texas State University**, San Marcos, TX
Department of Geography, **University of North Texas**, Denton, TX
Department of Geography, **Southern Illinois University Edwardsville**, Edwardsville, IL
Earth and Environmental Science, **University of West Florida**
Spatial Data Integrations, Inc., Louisville, KY
Bellarmine University, Louisville, KY
Department of Urban & Public Affairs, **University of Louisville**, Louisville, KY
Department of Geography & Geosciences, **University of Louisville**, Louisville, KY

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APPLIED GEOGRAPHY CONFERENCES

Board of Directors

President: Tom Dwyer, Bank of Hope, dwyert0907@yahoo.com

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Local Committee

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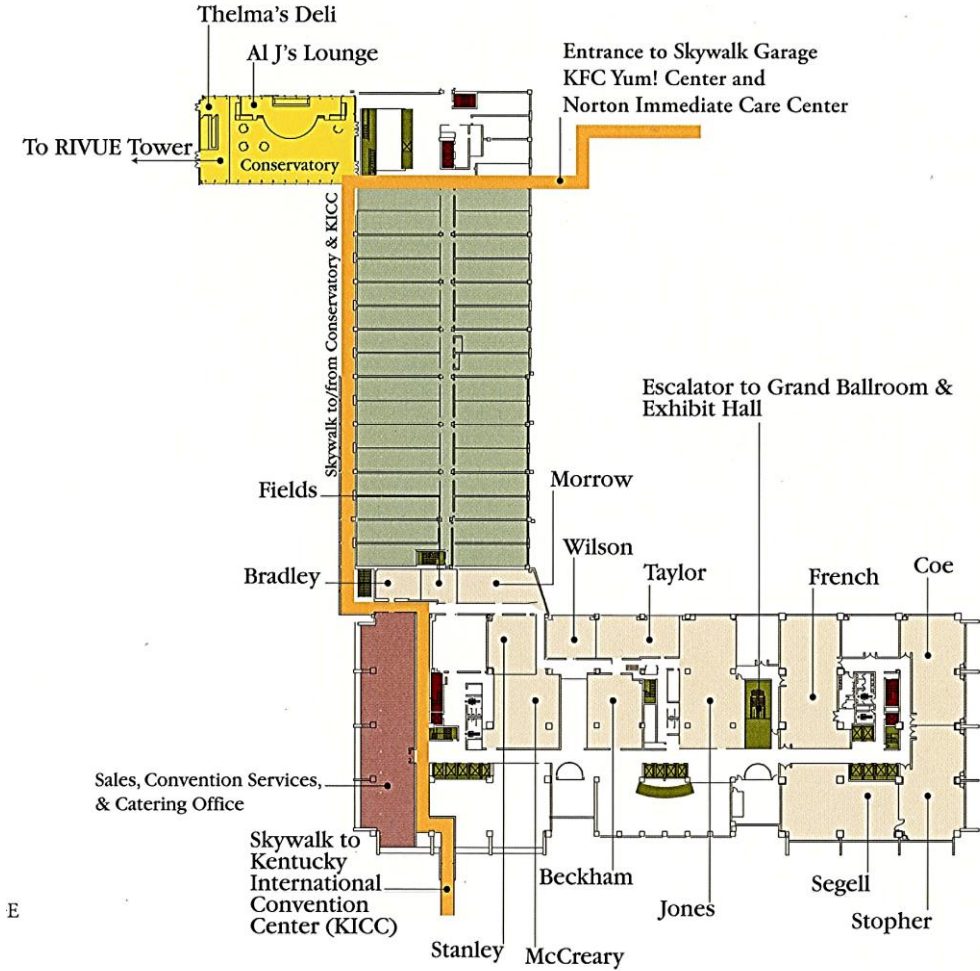
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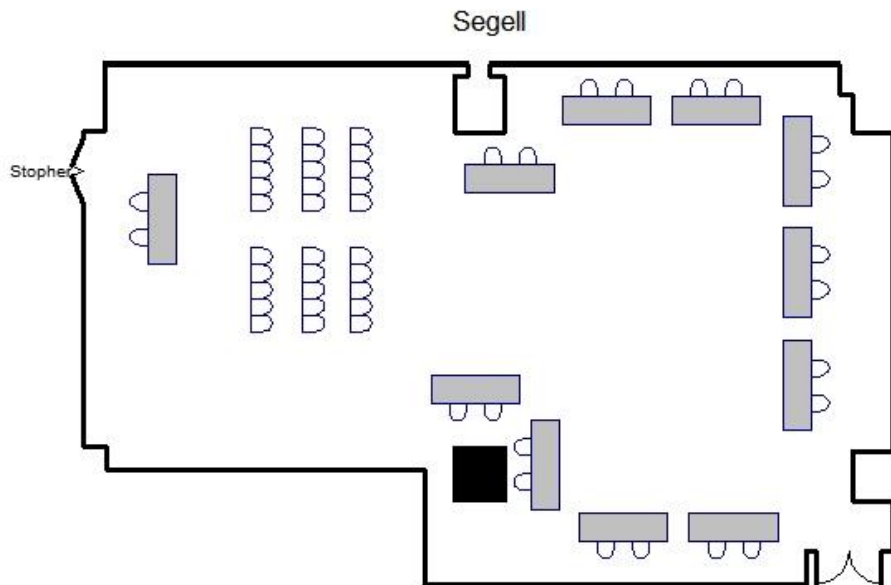
Layout of Meeting Rooms

Third Floor (Conservatory/Skywalk Level)



Display Tables by Sponsors

Room: Segell



Applied Geography Conference
October 26-28, 2016

Conference Proceedings

WEDNESDAY, October 26, 2016

7:30 pm – 9:00 pm
Opening Reception

Room: Stopher

Opening Remarks

Kimberly Kempf-Leonard, Dean, College of Arts & Sciences, University of Louisville, Louisville, KY

Jay Gatrell, Vice Provost for Academic Affairs and Professor of Geography & Environmental Studies, Bellarmie University, Louisville, KY

Wei Song, University of Louisville, Louisville, KY

Participation Trends at the Applied Geography Conferences: What makes Geography applied?

Clayton Whitesides, Coastal Carolina University, Conway, SC and **Dawna L. Cerney**, Youngstown State University, Youngstown, OH

THURSDAY, October 27, 2016

Session T1: 8:30 am – 10:00 am

APPLIED CLIMATOLOGY 1

Room: Morrow

Chair: **John Harrington, Jr.**, Kansas State University, Manhattan, KS

The Seasonality of Cold Air Outbreaks in the Eastern United States and the Influence of Atmospheric Teleconnections

Erik T. Smith, Kent State University, Kent, OH

Examining Population Growth Following Major Tropical Cyclones on the United States Gulf Coast

Adam Clark and **Richard W. Dixon**, Texas State University, San Marcos, TX

Event-Based Weather Classification During the French Indochina War

Johnathan Kirk and **Gordon Cromley**, Kent State University, Kent, OH

Meta-Analysis of Applied Climatology

John Harrington, Jr., Kansas State University, Manhattan, KS

BUSINESS GEOGRAPHY SHOP TALK 1: PAST PROGRESS, PRESENT CHANGE

Room: Stanley

Facilitators:

Murray D. Rice, University of North Texas, Denton, TX

Tony Hernandez, Ryerson University, Toronto, Canada

Panelists:

Ken Smith, Kenard E. Smith & Associates

Larry Carlson, L. E. Carlson & Associates

Tony Lea, Environics

CULTURAL LANDSCAPE

Room: Wilson

Chair: **Haifeng (Charlie) Zhang**, University of Louisville, KY

Ibn Buttuta World Traveler & Master of Cultural Landscape

Syed S. Uddin-Ahmed, St. John's University, New York

Hmong People Finding A Sense of Place In A Multicultural Landscape

Colleen Wooten, University of Louisville, Louisville, KY

People Don't Just Disappear - 19th Century Black Agrarian Loss

Andrew Newton, University of Louisville, Louisville, KY

EDUCATION

Room: Taylor

Chair: **Gillian Acheson**, Southern Illinois University, Edwardsville, IL

Geography Education in Indiana - A Vertical Examination of the Geography Curriculum, Standards, and Expectations from Primary through Post-Secondary Education

Marvin Susott, Gibson Southern High School and University of Southern Indiana, Evansville, IN

The Role of Military Experience in the Choice of Geography as An Undergraduate Major

Steve Jennings, Phillip Morris, and Cerian Gibbes, Colorado Geographic Alliance & University of Colorado Colorado Springs, Colorado Springs, CO

Early Childhood Educators' Understandings of Cartography Education: A Case Study of Kindergarten Teachers in Busan, Korea

Yoo Jin Shon, Dong-Eui University, Busan, Korea, **Mi Jin Kim**, Pusan National University, Busan, Korea, and **Hyun Joong Kim**, Pittsburg State University, Pittsburg, KS

Picture This: People in Human Geography Textbook Images

Gillian Acheson, Southern Illinois University, Edwardsville, IL

URBAN GEOGRAPHY

Room: Segell

Chair: **James Lein**, Ohio University, Athens, OH

Governing the Urban Water Commons: Inter-Organizational Collaborations in a Polycentric Ecology of Urban Water Games

Emmanuel Frimpong Boamah, University of Louisville, KY

ToledoView: Developing a One-Stop Data Repository for the Community

Peter S. Lindquist, University of Toledo, Toledo, OH, Neil Reid, University of Toledo, Toledo, OH

"Is there a bubble to burst?" College Students' Spatial Perception of Campus and the City: A Case Study of Rhodes College in Memphis, TN

Shaolu Yu, Sophie Tsagronis, and Emily Messmer, and Sara Link, Rhodes College, Memphis, TN

Simulating Greenspace Expansion As A Factor in Urban Waste Heat Mitigation

James Lein, Ohio University, Athens, OH, **Xin Hong**, Kent State University, Kent, OH

URBAN AND HOUSING GEOGRAPHY

Room: Field

Chair: **Michael Mann**, George Washington University, Washington, DC

Housing First, Neighborhood Second? The Role of Housing and Neighborhood Characteristics on Residential Stability in Two Housing First Projects

Carey Addison, **Steve Bourassa**, and **Sumei Zhang**, University of Louisville, Louisville, KY

Residential Segregation in San Antonio, TX During 1910: An Analysis of Ethno-Racial and Occupational Spatial Patterns with the Colocation Quotient

Hilton Cordoba, University of Louisiana at Lafayette, Lafayette, LA, **Rebecca J. Walter**, University of Texas at San Antonio, San Antonio, TX, **Nathan Foote**, University of Texas at San Antonio, San Antonio, TX

A Shift-Share and Regression Approach to Isolating and Explaining Change in A Region's Housing Choice Voucher Program

Brian Mikelbank, Cleveland State University, Cleveland, OH, **Matthew Martin Thomas**, Cleveland State University, Cleveland, OH

Measuring Electricity Supply Unreliability: Preliminary Results from Maharashtra India

Michael Mann, George Washington University, Washington, DC, **Eli Melaas**, Boston University, Boston, MA, and **Arun Malik**, George Washington University, Washington, DC

HAZARDS, FLOODS

Room: Jones

Chair: **Richard Earl**, Texas State University, San Marcos

Local Levees: A Lead-In to Large-Scale Losses?

Nicole S. Hutton, Old Dominion University, Norfolk, VA, **Burrell E. Montz**, East Carolina University, Greenville, NC, **Graham A. Tobin**, University of South Florida, Tampa, FL

Roots of Resilience: Flood Response and Recovery in Shelby County, TN

Arleen A. Hill, **Zebulon C. Wallace**, and **Lauren E. Goddard**, Department of Earth Sciences, University of Memphis, Memphis, TN

Multi-Model Spatial Threats to Coastal Community Water Infrastructure

Thomas Allen, Old Dominion University, Norfolk, VA, **Tom Crawford**, St. Louis University, St. Louis, MO, **Burrell E. Montz**, East Carolina University, Greenville, NC

Backwaer Flooding in San Marcos, TX from the Blanco River

Richard Earl, Texas State University, San Marcos, **Kyle G. Gaenzle**, Texas State University, San Marcos, TX, **Andi B. Hollier**, Texas State University, San Marcos, TX

Session T2: 10:15 am – 12:00 Pm

APPLIED CLIMATOLOGY 2

Room: Morrow

Chair: **Scott Sheridan**, Kent State University, Kent, OH

Analyzing Teleconnective Impacts on Surface Weather Types Using Self-Organizing Maps

Cameron Lee, Kent State University, Kent, OH

A Study of Variation in Estimates of Surface Urban Heat Island Effect in the Midwest Region of the United States Using MODIS Satellite Imagery

Jeremy Sandifer, Kentucky State University, Frankfort, KY

Using Self-Organizing Maps to Assess Atmospheric Circulation Along the Eastern Seaboard of the US, and Its Relationship with Short-Term Sea-level Fluctuations

Scott Sheridan, Kent State University, Kent, OH, **Cameron Lee**, Kent State University, Kent, OH, **Doug Pirhalla**, NOAA, Washington, DC, **Varis Ransi**, NOAA, Washington, DC

BUSINESS GEOGRAPHY SHOP TALK 2: RECENT DEVELOPMENT AND FUTURE TRENDS

Room: Stanley

Facilitators:

Tony Hernandez, Ryerson University

Murray D. Rice, University of North Texas

Panelists:

Ken Smith, Kenard E. Smith & Associates

Larry Carlson, L. E. Carlson & Associates

Mike Valleskey, Sears

Bill Hall, JCPenney

Tony Lea, Environics

POLITICAL LANDSCAPES

Room: Wilson

Chair: **Jonathan C. Comer**, Oklahoma State University, Stillwater, OK

Urbanization and Emergence of City-Regions in Ghana: Implications for Contemporary Spatial Governance

Felix S. K. Agyemang, University of Cambridge, UK, **Kofi Kekeli Amedzro**, Head Office, Town and County Planning Department, Ghana

The Effect of NGO Activities on Management Agendas for Key Areas of Concern in the Mississippi River Basin

Amanda Marshall, Southern Illinois University, Carbondale, IL

The Iowa Caucuses: A Poor Geographic Survey

Kevin Romig, Northwestern Missouri State University, Maryville, MO

Trends and Implications of Oklahoma's Shifting Voter Registrations

Jonathan C. Comer, Oklahoma State University, Stillwater, OK

Geography of Health

Room: Taylor

Chair: **Wei Tu**, Georgia Southern University, Statesboro, GA

Spatiotemporal Analysis of Malaria Prevalence in a Transitional Agro-Ecological Zone of Ghana

Samuel Adu-Prah, Sam Houston State University, Huntsville, TX, **Anthony Ofofu**, Ghana Health Service, Accra, Ghana

Environmental and Spatial Determinants of Lyme Disease

Wayne Frad, Pennsylvania State University, College Park, PA

Analysis of Urban Health Facility Locations in Lowndes County, Georgia

Jia Lu, Valdosta State University, Valdosta, GA

Hospital Utilization for Respiratory Disease in St. Louis, MO-IL, USA

Stacey Brown, Southern Illinois University, Edwardsville, IL

County-Level Deprivation and Preterm Birth Risk Among Racial Groups in Georgia, USA

Wei Tu, Georgia Southern University, Statesboro, GA

TRANSPORTATION GEOGRAPHY: ANALYSIS AND MAPPING

Room: Segell

Chair: **John Derek Morgan**, University of West Florida, Pensacola, FL

Kentucky Transportation Cabinet Mobile Location Centric Asset Inventory Implementation
Andrew McKinney, Kentucky Office of Information Technology, Frankfort, KY

Campus Mapping, Facilities Mapping, Service Learning, Campus Safety
Kamau As-Salaam, Tennessee State University, Nashville, TN

Validating Waze Data for Use in Traffic Congestion Mitigation Studies
Phillip Gardner and **Justin O'Brien**, Louisville Metro Government, Louisville, KY

GIS-Based Optimization of Snow and Ice Clearance Routes in Kentucky
Benjamin L. Blandford and **Eric Green**, University of Kentucky, Lexington, KY

High Density Vehicle-Bear Collisions and Bridge Locations
Ray Eslinger and **John Derek Morgan**, University of West Florida, Pensacola, FL

ECONOMICS AND DEVELOPMENT

Room: Fields
Chair: **Lisa M. B. Harrington**, Department of Geography, Kansas State University, KS

Utilization of GIS Platforms for Development in Honduras
Caleb Rudow, The University of Texas at Austin, Austin, TX

Women Farmers as Indicators of Localized Agriculture: Analysis with Geographically Weighted Regression
Simon Bevis, University of North Alabama, Florence, AL

Land Use Planning and Shared Value Action to Face the Future of A Hydropower Plant in Northern Patagonia, Chile
Pablo Osses McIntyre, **Eric Parra Hormazábal**, and **Mauricio González Carrasco**, Instituto de Geografía, Pontificia Universidad Católica de Chile

Exploring the Relationship Between Urban Land Expansion and Economic Growth: Evidence from China
Charlie Zhang, University of Louisville, Louisville, KY

International Contacts and Learning: The Example of A Slovenian-Kansas Rural Development Project
Lisa M. B. Harrington, Department of Geography, Kansas State University, KS and **Lučka Lorber**, University of Maribor

HAZARDS: VULNERABILITY

Room: Jones
Chair: **Burrell E. Montz**, East Carolina University, Greenville, NC

Security Force Assistance in Iraq: The Challenges of US Army Advisors in the Conventional Force

Joseph P. Henderson, Georgian Gwinnet College, Lawrenceville, GA

Making the Invisibles Visible: Migrant Farmworkers' Labor Camp Locations and the Relationship with Health and Well-Being in Eastern Carolina

Misun Hur, East Carolina University, Greenville, NC, **Katharine W. Didericksen**, East Carolina University, Greenville, NC, **Roberta Bellamy** and **Juencio Rocha Peralta**, The Association of Mexicans in North Carolina, Greenville, NC

Weather Warning Communication: Perspectives of Forecasters and Emergency Managers

Zebulon C. Wallace and **Arleen A. Hill**, University of Memphis, Memphis, TN

Documenting Social Factors and Evacuation Vulnerability: Pinellas County, Florida

Shakhawat Tanim and **Graham A. Tobin**, University of South Florida, Tampa, FL

Session T3: 2:00 pm – 3:30 pm

AGRICULTURE AND CLIMATE CHANGES

Room: Morrow

Chair: **Anthony R. Lupo**, University of Missouri, Columbia, MO

Certification, Marketing, and Distribution of Hybrid Maize Seed for Smallholders in Zambia

Jordan Blekking, Indiana University - Bloomington, Bloomington, IN

Environmental Variability and Food Security: A Regression Analysis Using Maize Yields in Kenya

Dan Wanyama, University of North Alabama, Florence, AL

Issues and Workarounds for Farmers with Approaching Climate Change

Cynthia Rice, Kentucky State University, Frankfort, KY

Bioclimatic Potential of the Belgorod Region Under Modern Conditions

Maria G. Lebedeva, **Alexandr Borisovich Solovyov**, and **Yuri G. Chendev**, Belgorod National Research University, Belgorod, Russia, and **Anthony R. Lupo**, University of Missouri, Columbia, MO

BUSINESS PLENARY SESSION: SHOPPING MALLS - PRESENT STATUS AND FUTURE PROSPECTS

Room: Stanley

Introducer: **Murray D. Rice**, University of North Texas, Denton, TX

Speaker:

Clay Hallman, Simon Property Group, Indianapolis, IN

Discussant:

Ken Smith, Kenard E. Smith & Associates, Frisco, TX

ENVIRONMENT AND LANDSCAPE

Room: Wilson

Chair: **Richard R. Shaker**, Ryerson University, Toronto, Canada

A Geospatial Exploration of the Potential for Inter-Aquifer Communication in Shelby County, Tennessee

Andrew Barnett Murphy, University of Memphis, Memphis, TN

Nonequilibrium Soil Thickness in the Cumberland Plateau

Michael Shouse, Southern Illinois University Edwardsville, Edwardsville, IL, **Alice Turkington**, University of Kentucky, Lexington, KY

Examining Sustainable Landscape Function Across the Republic of Moldova

Richard R. Shaker, Ryerson University, Toronto, Canada

GEOSPATIAL ANALYSIS

Room: Taylor

Chair: **Fahui Wang**, Louisiana State University, Baton Rouge, LA

A Daily Activity Schedule Fragmentation Index (DASFI) to Decipher Human Activity Patterns

Leonard Sitji Bombom, University of Jos, Nigeria

Predicting A Roadkill Hotspots Based on Spatial Distribution of Mule Deer Using MAXENT Model in Northern California Highway: The Case of SR-49, SR-50, and I-80 Highways

Hoehun Ha, Auburn University at Montgomery, Montgomery, AL

Information Technology in Sub-Saharan Africa

James C. Saku, Frostburg State University, Frostburg, MD

2SFCA Upside Down: Assessing the Crowdedness of Public Service

Fahui Wang, Louisiana State University, Baton Rouge, LA

GEOGRAPHY OF CRIME

Room: Segell

Chair: **Timothy Hare**, Morehead State University, Morehead, KY

The Relationship Between Crime and Vegetation: A Case Study of Jefferson County, Kentucky

Yi Ling Chan, University of Louisville, Louisville, KY

An Appreciative GIS Inquiry into A Community Without the Possibility of Crime

Paddington Hodza, University of Wyoming, Laramie, WY

Crime Surveillance Using Social Media: Combining Data Mining and GIS Methods

Monica Medel, Texas State University, San Marcos, TX

Exploratory Space-Time Data Analysis of Child Abuse Cases, Albuquerque, NM 1999-2006

Timothy Hare, Morehead State University, Morehead, KY and **Paul D. Steele**, Native American Children Alliance, Huntsville, AL

GEOGRAPHIC INFORMATION AND ANALYSIS TO SUPPORT GOVERNMENT PLANNING AND PROGRAMS

Room: Fields

Chair: **Michael Ratcliffe**, US Census Bureau, Washington, DC

International Coordination of Geospatial and Statistical Organizations in Support of the Sustainable Development Goals

Timothy Trainor and **Kaile Bower**, US Census Bureau, Washington, DC

An Urban-Rural Continuum for Address Coverage Research and Analysis

Michael Ratcliffe, US Census Bureau, Washington, DC

Geographic Analyses of Rural Elderly Medicare Beneficiary Hospitalizations

Gary Hart, University of North Dakota, Grand Forks, ND

Equity of Access: Geographic Distribution of Public Library Resources in Illinois

Renee Buker, Western Illinois University, Macomb, IL

REMOTE SENSING 1

Room: Jones

Chair: **Wei Song**, University of Louisville, Louisville, KY

Bringing Applied Spatial Sensor Networking into the Classroom

Andrew Rettig, University of Dayton, Dayton, OH, **Sumit Khanna**, University of Tennessee at Chattanooga, Chattanooga, TN

Individual Tree Crown Delineation Using Localized Contour Tree Method and Airborne LiDar Data in Coniferous Forests

Bin Wu, East China Normal University, Shanghai, China, **Bailang Yu**, East China Normal University, Shanghai, China, **Qiusheng Wu**, Binghamton University, Binghamton, NY, **Yan Huang**, East China Normal University, Shanghai, China, **Zuoqi Chen**, East China Normal University, Shanghai, China, **Jianping Wu**, East China Normal University, Shanghai, China

The Impacts of Uncertainty in Imagery Processing on Quantitative Modeling

Qingmin Meng, Mississippi State University, MS

Topographical and Topological Analysis of Urban Spatial Structure Using Nighttime Light Remote Sensing Data

Zuoqi Chen, East China Normal University, Shanghai, China, **Bailang Yu**, East China Normal University, Shanghai, China, **Wei Song**, University of Louisville, Louisville, KY, **Hongxing Liu**, University of Cincinnati, Cincinnati, OH, **Qiusheng Wu**, Binghamton University, Binghamton, NY, **Kaifang Shi**, East China Normal University, Shanghai, China, **Jianping Wu**, East China Normal University, Shanghai, China

Session T4: 4:00 pm – 5:30 pm

CLIMATIC PATTERNS AND TRENDS

Room: Morrow

Chair: **Keith R. Mountain**, University of Louisville, Louisville, KY

The Occurrence of Extreme Monthly Temperatures and Precipitation in Two Global Regions

Max J. Nunes, University of Missouri, Columbia, MS, **Anthony Lupo**, University of Missouri, Columbia, MS, **Yuri G. Chendev** and **Maria G. Lebedeva**, Belgorod National Research University, Russian Federation

An Analysis of Temperature, Precipitation and Air Mass Changes in the Ohio River Valley

David A. Howarth, University of Louisville, Louisville, KY

Temperature and Precipitation Trends for Louisville, Kentucky, From 1879 with Projections to 2050

Keith R. Mountain, University of Louisville, Louisville, KY

BUSINESS GEOGRAPHY ANALYTICAL METHODS: USES AND APPLICATIONS OF SITE MODELS

Room: Stanley

Chair: **Larry Carlson**, L. E. Carlson & Associates, Clarkston MI, and **Tony Lea**, Environics, Toronto, Canada

WATER RESOURCES

Room: Wilson

Chair: **Christopher Andrew Day**, University of Louisville, Louisville, KY

Sea Level Change in Bubiyan Island by Using Remote Sensing and GIS

Doha J. AlRabeea, Kuwait University, **Mohammad AlSarawi**, Kuwait University,
Muhammad G. AlMatar, Kuwait, University, Kuwait

Sustainable Groundwater Management in Greater Visakhapatnam Municipal Corporation,
India: A Geospatial Approach

Ch Anusha, Andhra University, Visakhapatnam, India, **P. Jagadeeswara Rao**, Andhra
University, Visakhapatnam, India

Assessing the Influences of Atmospheric Dynamics on Heavy Rainfall Potential Across the
North-Central Mississippi River Valley

Jordan L. Rabinowitz and **Anthony R. Lupo**, University of Missouri, Columbia, MO

Modeling Climate Change Impacts on the Water Balance of the Red River Basin, Kentucky

Christopher Andrew Day, University of Louisville, Louisville, KY

GEOSPATIAL ANALYSIS AND MAPPING

Room: Taylor

Chair: **Hongxing Liu**, University of Cincinnati, Cincinnati, OH

Campus Mapping, Facilities Mapping, Service Learning, Campus Safety

Kamau As-Salaam, Tennessee State University, Nashville, TN

Information-Mining Unclassified Data: Feature Extraction from 3D Point Clouds

Demetrio Zourarakis, Kentucky Division of Geographic Information, Frankfort, KY

An Android-Based Geospatial APP for Fire First Responders

Shunfu Hu, Southern Illinois University Edwardsville, Edwardsville, IL and **Mukta
Puri**, University of New York at Buffalo, Buffalo, NY, **Zong Qin**, Quizhou University,
Guiyang, Guizhou, China

Improving ICESat Measurements Using Probabilistic Relaxation Algorithm

Song Shu and **Hongxing Liu**, University of Cincinnati, Cincinnati, OH, **Frédéric
Frappart**, Université de Toulouse, France, **Emily L. Kang**, University of Cincinnati,
Cincinnati, **Lei Wang**, Louisiana State University, Baton Rouge, LA, and **Kenneth M.
Hinkel**, University of Cincinnati, Cincinnati, OH

GEOGRAPHY AND TOURISM

Room: Segell

Chair: **Wei Song**, University of Louisville, Louisville, KY

Mountain Bikes as Geomorphic Agents: A Case Study from A Small Race Series

Ross Martin, Texas State University San Marcos, San Marcos, TX

Urban Sprawl in Ghanaian Cities and Its Impact on Individual Travel Behavior: The Way Forward

Filiberto Asare-Akuffo and **Seth Appiah-Opoku**, University of Alabama, Tuscaloosa, AL

The ERS Natural Amenities Scale: An Updated Comparison with Nonmetropolitan County Population Change and with Retirement Destination Counties

Patricia L. Drews, Northwest Missouri State University, Maryville, MO

Analyzing the Spatial-Temporal Characteristics of Inter-Province Tourism Attention in China Based on Baidu Index

Lijun Zhou, Northeast Normal University, Changchun, China, and University of Louisville, KY, **Wei Song**, University of Louisville, Louisville, KY

RE-ENGINEERING ADDRESS CANVASSING FOR THE 2020 CENSUS

Room: Fields

Chair: **Michael Ratcliffe**, US Census Bureau, Washington, DC

Measuring Stability and Change in the Address Landscape: Establishing the Basis for In-Office Address Canvassing

April Avnayim, US Census Bureau, Washington, DC

In-Office Review of the Address Frame in Relation to the Housing Landscape

Dolly Garcia, US Census Bureau, Washington, DC

Virtual Canvassing: Updating and Validating Addresses in the Office

Daniel Keefe, US Census Bureau, Washington, DC

Managing and Implementing an Applied Geography Workforce and Program

Sheila Gividen, US Census Bureau, Washington, DC

REMOTE SENSING AND GIS

Room: Jones

Chair: **James Lein**, Ohio University, Athens, OH

Application of Geographical Information Systems (GIS) and Remote Sensing (RS)
Techniques in Predicting Malaria Exposure in Nigeria

Louwaseun Egbinola, University of Ibadan, Nigeria

The Efficiency of Imagery Chain Standardization in Reducing Uncertainty Impacts on
Massive Remote Sensing Data Based on Geovisualization and Geocomputation

Qingmin Meng, Mississippi State University, MS

Competing Regression Models for the Study of Population Growth for US Counties: Spatial
or Non-Spatial?

Alexis R. Santos, Pennsylvania State University, College Park, PA

Exploring UAV Applications for Environmental Data Collection

James Lein, Ohio University, Athens, OH

FRIDAY, October 28, 2016

Session F1: 8:30 am – 10:00 am

BUSINESS GEOGRAPHY 1: RETAIL APPLICATIONS

Room: Stanley

Chair: **Tony Hernandez**, Ryerson University, Toronto, Canada

The Changing Face of Sears: An Analysis of Sears Full-Line Store Closures in the Context of Sears Hometown Format within the Pacific Northwest

Brett Lucas, City of Cheney, Cheney, WA

Terminal Shopping: Place displayed in United States Airport Concessions

Jack Goldberg, University of North Carolina at Charlotte, Charlotte, NC

The Other Side of Supercenter "Conversions": Investigating the Closure of Walmart Discount Stores in Dallas-Fort Worth, Texas

Brian King, University of North Texas, Denton, TX, **Murray D. Rice**, University of North Texas, TX

Exploring the Spatial Consequences of Exchange Rate Time on Online Retailing in Canada

Tony Hernandez and **Maurice Yeates**, Ryerson University, Toronto, Canada

HAZARDS: POLLUTION

Room: Wilson

Chair: **Kingsley E. Haynes**, Clarewood University, Reston, VA

Potential for Groundwater Contamination Due To Oil Well Drilling in the Marcum Mill Karst Groundwater Basin, Metcalfe County, KY

Garrett Seay, University of Louisville, Louisville, KY

Changing Patterns of Meth Lab Seizures in Louisville, Kentucky: Implications for Public Health

Carol L. Hanchette, University of Louisville, Louisville, KY

The Earthquake Impact on Telecommunications Infrastructure in Nepal: A Preliminary Spatial Assessment

Jitendra Parajuli and **Kingsley E. Haynes**, George Mason University, Arlington, VA

RACE-ETHNICITY AND PLACE: SOME POLICY PERSPECTIVES I

Room: Taylor

Chair: **John Frazier**, Binghamton University, Binghamton, NY

Welcoming Cities: Policy Analysis of Two Midwestern Cities, Columbus, Ohio and Indianapolis, Indiana

Eugene Tettey-Fio, Binghamton University, Binghamton, NY

Buses vs. Sponsors vs. Cars: How Public Transportation Policy, Refugee Resettlement Agency Dynamics and Individual Social Networks Interact in Refugee Resettlement

Adriana Morken, University of Colorado-Colorado Springs, Colorado Springs, CO,

Emily Skop, University of Colorado, Colorado Springs, Colorado Springs, CO

Immigrant Receptivity and the Welcoming Cities Movement: A Potential for "Regional Welcoming" in Atlanta, Georgia

Paul N. McDaniel, Kennesaw State University, Kennesaw, GA, **Darlene Xiomara**

Rodriguez, Kennesaw State University, Kennesaw, GA, **Anna Joo Kim**, Georgia Institute of Technology, Atlanta, GA

Mapping the Highly Skilled: Employment Situation and Spatial Distribution of H-1B Visa Holders in the United States

Wan Yu, Binghamton University, Binghamton, NY

Session F2: 10:15 am – 12:00 pm

BUSINESS GEOGRAPHY 2: TEACHING AND RESEARCH ANALYTICS

Room: Stanley

Chair: **Murray D. Rice**, University of North Texas, Denton, TX

Spatial Analytics for Teaching in Business and Retail Geography

Murray D. Rice, University of North Texas, Denton, TX

Teaching Market Area Delineation: A Classroom Exercise

Joe Tokosh, Kent State University, Kent, OH

Innovative Transportation Systems and Communities: A Geographic Analysis of Social Media and Public Perception of Autonomous Vehicles

Amanda A. Richard, Florida State University, **Mark W. Horner**, Florida State University, Tallahassee, FL

HAZARDS, METHODS

Room: Wilson

Chair: **David A. Padgett**, Tennessee State University, Nashville, TN

A Variogram Modeling Approach for Spatial Dependence and Correlation of Offshore Oil and Gas Hazards

Qingmin Meng, Mississippi State University, MS

Identification and Spatial Assessment of Brownfield Regeneration

Yang Song, Northeast Normal University, Jilin, China

Spatiotemporal and Meteorological Aspects of SO₂ and PM₁₀ in Riyadh City, Saudi Arabia, Using Self-Organizing Maps

Ali S. Alghamdi, King Saud University, Riyadh, Saudi Arabia

Encouraging Community Stakeholders in Toxic Release Inventory (TRI) Sites Sampling and Geographic Information Systems (GIS) Mapping with ArcGIS Online, EJ SCREEN, and the MyRTK Took

David A. Padgett, Tennessee State University, Nashville, TN

RACE-ETHNICITY AND PLACE: SOME POLICY PERSPECTIVES II

Room: Taylor

Chair: **John Frazier**, Binghamton University, Binghamton, NY

Home Away from Home: Chinese Churches in Memphis

Shaolu Yu, Rhodes College, Memphis, TN

Policies and Practices of Integration: High-Skilled Migrants from India in Singapore

Elizabeth Chacko, George Washington University, Washington, DC

Phillipino and Asian Indian Experiences in Jersey City, New Jersey: The Role of Institutions

John Ponstingel, Binghamton University, Binghamton, NY

Latino Health in the Texas Panhandle: Policy Implications

Lawrence Estaville, Texas State University, San Marcos, TX, and **Edris Montalvo**, Cameron University, Lawton, OK

Cultural Group Variances in Geospatial Thinking of Undergraduates in the United States: Educational Policy Implications

Kanika Verma, Texas Christian University, Fort Worth, TX

SOCIAL IMPACT AND RESPONSIBILITY OF LOCAL DEVELOPMENT AGENCIES

Room: Segell

Chair: **Joel Dock**, Louisville Office of Planning and Design, Louisville, KY

Louisville Metro's Zoning Past, Present, and Future

Joel Dock, Louisville Office of Planning and Design, Louisville, KY

An Overview of Vacant Lots to Vibrant Spots

Jeana Dunlap, Louisville Office of Vacant and Public Property Administration,
Louisville, KY

Welcoming Immigration to Possibility City

Bryan Warren, Louisville Office for Globalization, Louisville, KY

Louisville's Urban Heat Management Study

Maria Koetter, Louisville Office of Sustainability, Louisville, KY

Innovation in Local Food Economies: An Exploration of the West Louisville Foodport

Theresa Zawacki, Forward-Develop Louisville, Louisville Forward, Louisville, KY

Conference Luncheon: 12:10 pm – 1:50 pm

Room: Stopher

Louisville: Development and Sustainability

Speaker: **Mary Ellen Wiederwohl**, Chief
Louisville Forward, Louisville Metro Government

Session F3: 2:00 pm – 3:30 pm

BUSINESS GEOGRAPHY 3: TRANSPORTATION, HOUSING, AND FOOD

Room: Stanley

Chair: **Jia Lu**, Valdosta State University, Valdosta, GA

A Multiscale Core-Cluster Analysis of US Breweries

Jake K. Carr, Ohio State University, Columbus, OH

Predicting Housing Prices in Buffalo's West Side by A Multivariate Spatial Method

Paula Jones, Texas State University, San Marcos, TX

Cluster Analysis of Affordable Housing Indicators

Robert E. Hibberd, University of Arizona, Tucson, AZ

Analysis of Street Vendors in Japan and South Korea

Jun Hyuk Moon and **Jia Lu**, Valdosta State University, Valdosta, GA

REMOTE SENSING AND CLIMATE

Room: Wilson

Chair: **Anthony R. Lupo**, University of Missouri, Columbia, MO

Relationship Between Land Surface Temperature and Estimates of Vegetation in
Shelbyville, Kentucky

Chris Lyvers, Kentucky State University, Frankfort, KY

NDVI Change Analysis and Damage Mapping of the Vilonia, Arkansas Tornado, 27 April
2014

Daniel Burow and **Brad Rundquist**, University of North Dakota, Grand Forks, ND

Sensitive versus Rough Dependence on Initial Conditions in Atmospheric Flows: A Case
Study Using Radar Images

Anthony R. Lupo, **Yanguang Charles Li**, **Jordan L. Rabinowitz**, and **Michael J.
Simpson**, University of Missouri, Columbia, MO

RACE-ETHNICITY AND PLACE: SOME POLICY PERSPECTIVES III

Room: Taylor

Chair: **John Frazier**, Binghamton University, Binghamton, NY

The Impact of DACA (Deferred Action for Childhood Arrivals) on the Educational and
Occupational Fortunes of Young Mexican-Born Adults

Richard C. Jones, University of Texas at San Antonio, San Antonio, TX

Green Infrastructure, Food Deserts and Public Policy for the Disadvantaged

Shaloma Wagstaffe, Binghamton University, Binghamton, NY

Taiwanese Migration Experiences in Dongguan: Factors Influencing Household Mobility
and Their Importance for Policy

Yining Tan and **Wei Li**, Arizona State University, Tempe, AZ

Precinct Level Analysis of the Technical Efficiency of NYPD's Stop, Question, and Frisk
Policy Pre- and Post-Constitutionality Ruling

Jay Newberry, Binghamton University, NY

LOUISVILLE METRO GOVERNMENT ON PLANNING FOR THE FUTURE

Room: Segell

Chair: **Yu "Emily" Liu**, Planning and Design Services, Louisville, KY

Development Trends in Post Great-Recession Louisville Metro

Dante St. Germain, Office of Planning and Design, Louisville, KY

Louisville Forward - Developing A Framework for Updating Louisville's Comprehensive Plan

Joe Haberman, Office of Planning and Design Services, Louisville, KY, **Jeff O'Brien**, Office of Advanced Planning, Louisville, KY

Vision Louisville - Transforming Louisville's Built Environment

Gretchen Milliken, Office of Advanced Planning, Louisville, KY, **Jeff O'Brien**, Office of Advanced Planning, Louisville, KY

Move Louisville - Toward A Multi-Modal City

Jeff O'Brien, Office of Advanced Planning, Louisville, KY

Urban Heat Island and Mitigation in Louisville, Kentucky

Yu "Emily" Liu and **Laura Mattingly**, Planning and Design Services, Louisville, KY

Session F4: 4:00 pm – 5:30 pm

BUSINESS GEOGRAPHY: REAL ESTATE INVESTMENT AND THE LOCAL ECONOMY

Room: Stanley

Chair: **Tom Dwyer**, Bank of Hope, Los Angeles, CA

Investment Related Dynamics of Gas Stations/Convenience Stores and Chain Drug Stores: Implications for Real Estate Valuation

Tom Dwyer, Bank of Hope, Los Angeles, CA

The Outlook for Older Movie Theaters When Faced with Newer Better Competition: A Case Study From a Small Kentucky Market

Christopher J. Phelps, G. Herbert Pritchett Associates, Inc.

Strategies for More Accurate Practitioner Use of "Out of the Box" Input-Output Software

Harrison S. Campbell, Jr. and **Chuck McShane**, University of North Carolina, Charlotte, NC

RACE-ETHNICITY AND PLACE: SOME POLICY PERSPECTIVES IV

Room: Taylor

Chair: **John Frazier**, Binghamton University, Binghamton, NY

Location Analyses of Foreign Firms in An Emergent Immigration Gateway in the US South

Qingfang Wang, University of California-Riverside, Riverside, CA, **Erin Casullo**, Empire State Development, Albany, NY

The Latinization of Middletown, New York: The Role of Institutions in Latino Experiences
Russell Aldave, Binghamton University, Binghamton, NY

Applying Critical Race and Memory Studies to University Place Naming Controversies:
Toward a Responsible Landscape Policy

Derek Alderman, University of Tennessee, Knoxville, TN, **Joshua Inwood**,
Pennsylvania State University, College Park, PA, **Jordan Brasher**, University of
Tennessee, Knoxville, TN

Public and Private Policy: A Comparative Analysis of Banking and Housing Policies in the
US and Canada

Wei Li, Arizona State University, Tempe, AZ, **Lucia Lo**, York University, Toronto,
Ontario, Canada, **Carlos Teixeira**, University of British Columbia, Vancouver, BC
Canada, **John Frazier**, Binghamton University, Binghamton, NY

Self-Organizing Map: The South Asian Seasonal Delineation: Wind

Md Rafiqul Islam, **Scott C. Sheridan**, and **Cameron C. Lee**, Kent State University,
Kent, OH

POSTER PRESENTATIONS

Thursday 10:00 am – 4:00 pm and Friday 10:00 am – 12:00 pm

Room: Wilson

Baseline Climatology of Sounding-Measured Variates Associated with Atlantic and Gulf Coast Tropical Cyclone Tornado Clusters

Richard W. Dixon and **James N. Hervey**, Texas State University, San Marcos, TX,
Todd W. Moore, Towson University, Towson, MD, and **Christi G. Townsend**, Texas State University, San Marcos, TX

A Canonical Correspondence Analysis of Ecological Community Structure in the Mississippi Alluvial Valley

Chandler S. White, University of North Alabama, Florence, AL

Comparison of Temperature and Precipitation Patterns in Texas During Strong El Niño Events

Kent McGregor, University of North Texas, Denton, TX

Preventing Pharmaceutical Pollution: Pinpointing Potential Problem Places

Stephanie Moffitt, Department of Geography, East Carolina University, Greenville, NC

Urban Heat Island Effect and Spatial Distribution of African American and White Populations in Jefferson County, Kentucky

Kelsey Voit, University of Louisville, Louisville, KY

Site Suitability Model for Identifying Potential Locations for A Solar Farm in Hopkins County, KY

Valerie Lauer and **Madison North**, University of Louisville, Louisville, KY

The Effects of El Nino and La Nina on Lake Freeze Dynamics at Lake Clark, Alaska

Amber L. Hill, Kent State University, Kent, OH

Evaluating the Efficacy of TMDL Implementation Actions on Fecal Bacteria Concentrations in Mill Neck Creek, NY

Thomas Vogel, East Carolina University, Greenville, NC

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