# THE 39<sup>TH</sup> APPLIED GEOGRAPHY CONFERENCE

October 26-28, 2016

Galt House Hotel Louisville, Kentucky

### **S**ponsors

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

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### APPLIED GEOGRAPHY CONFERENCES

### **Board of Directors**

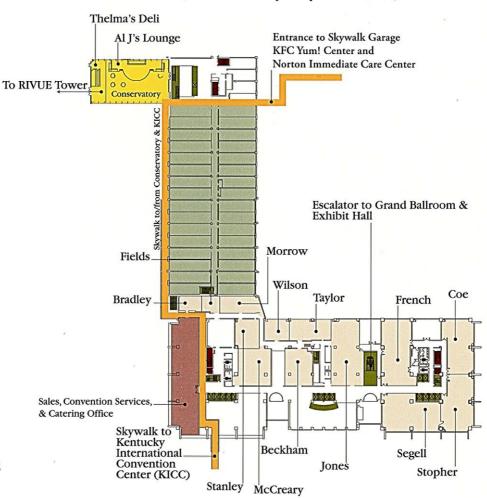
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### Local Committee

Wei Song, Chair, University of Louisville, <u>wei.song@louisville.edu</u> Joel P. Dock, Develop Louisville, <u>joel.dock@louisvilleky.gov</u> Jay D. Gatrell, Bellarmine University, <u>jgatrell@bellarmine.edu</u> David A. Howarth, University of Louisville, <u>dahowa01@louisville.edu</u> Haifeng (Charlie) Zhang, University of Louisville, <u>c.zhang@louisville.edu</u>

### Layout of Meeting Rooms



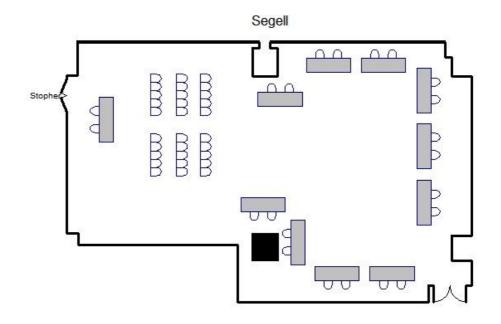
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# Applied Geography Conference October 26-28, 2016

**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 Louisiville, Louisville, KY
- Jay Gatrell, Vice Provost for Academic Affairs and Professor of Geography & Environmental Studies, Bellarmie University, Louisville, KYWei 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 Charactgeristics 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, Nofolk, VA, Burrell E. Montz, East Carolina University, Greenville, NC, Graham A. Tobin, Universify 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 Ofosu, 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 **Juvencio 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 Conference Proceeding: Page 15 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**, Lousiana 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, Lousiana 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 GOVERNMETN 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 Beauru, 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 Seav**, 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 Resellement **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 RESARCH 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, Ryhadh, 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

Fillipino and Asian Indian Experiences in Jersey City, New Jersey: The Role of Institutions **John Ponstingel**, Binghamton University, Binhamton, 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, Loouisville 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 Dakoda, 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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