The Joint Meeting of

The 36th annual *Applied Geography Conference*

and

The 2013 annual meeting of
Mid-Atlantic Division, Association of American Geographers

October 30, 2013 to November 1, 2013

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CONFERENCE AT A GLANCE

OCTOBER 30, 2013, WEDNESDAY

Sessions W1, 1:30 pm – 3:00 pm
- Census Panel: Census Bureau Data Visualization: Statistical Graphics and Mapping
- Water Resources I
- Remote Sensing I
- Geography Education I: Curriculum
- Urban Geography I: Environment

Sessions W2, 3:30 pm – 5:00 pm
- Climatology I: Climatic Variations in the USA
- Economic Geography I: Analysis and Policies
- GIS I: Online/Internet GIS
- Health Geography I: Geography of Diseases
- Urban Geography II: Development

Session W3, 5:00 pm – 9:00 pm
- Poster Presentations

Session W4, 7:00 pm – 9:00 pm
- Reception, Co-sponsored by George Mason University
  Speaker: Liz Groff, Temple University, Application of the research-practice dialogue in understanding and preventing crime: Tales from an applied geographer

OCTOBER 31, 2013, THURSDAY

Sessions T1: 8:30 am – 10:00 am
- Geography of Hazards I: Floods
- Remote Sensing II
- Ethnic and Racial Geography I
- Locational Intelligence I: Restaurants, Food, and Tourism

Sessions T2: 10:30 am – 12:00 noon
- Geography of Hazards II: Post Disasters
- GIS II: Spatial Analysis
- Ethnic and Racial Geography II
- Health Geography: Food and Environment
- Locational Intelligence II: Retail Chains and Markets

Sessions T3: 1:30 pm – 3:00 pm
Geography of Hazards III: Preparedness
Economic Geography II: Environment and Policies
Ethnic and Racial Geography III
Geography Education II: Teaching Methods
Locational Intelligence III: Geography, Technology, and Business

Sessions T4, 3:30 pm – 5:00 pm
- Climatology II: Urban Climatology and Health
- GIS III: Spatio-Temporal Analysis
- Ethnic and Racial Geography IV
- Physical Geography
- Locational Intelligence Panel: Future Directions in Locational Intelligence Research and Teaching

Reception: Co-sponsored by Kent State University
- Featured John Frazier, Binghamton University, *Celebration of Career Paths in Applied Geography: A conversation with Ken Smith and Larry Carlson*

NOVEMBER 1, 2013, FRIDAY

Sessions F1, 8:30 am – 10:00 am
- Water Resources II
- Census Bureau Applied Cartography and Mapping Products
- Remote Sensing III
- Geography Education III: Secondary Education
- Urban Geography III: Housing Issues

Sessions F2, 10:30 am – 12:00 noon
- Climatology III: Regional Climatology
- Census Bureau Demographic and Geographic Analysis
- GIS IV: Transportation
- Urban Geography IV: Planning Issues
- Health Geography III: Regional Studies

Luncheon, 12:00 pm – 2:00 pm
- Speaker: Michael Scott, Salisbury University and a Co-Presenter from the Maryland Governor’s Office, *Reinventing Government by Applying Geography*

Session F3, 2:30 pm – 3:40 pm
- Panel Session: Beyond the Ivory Tower - Applied Careers for Geographers
Sessions F4, 3:50 pm – 5:00 pm
Workshop: Preparing Geography Students for the 21st-Century Workforce
Board of Directors Meeting
WEDNESDAY, OCTOBER 30, 2013

REGISTRATION: 12:00 pm – 4:00 pm

SESSIONS W1: 1:30 pm – 3:00 pm

PANEL SESSION

Room: Capitol A

Census Bureau Data Visualizations: Statistical Graphics and Mapping

Moderator: Michael Ratcliffe, Geography Division, Census Bureau

Panelists: Overview
Dierdre Bevington-Attardi, Geography Davison, Census Bureau

Data Visualizations of the Week
Geoff Hatchard, Population Division, Census Bureau

On The Map
Matt Graham, Center for Economic Studies, Census Bureau

Metro/Micro Map Census Tract Thematic Map
Justyna Goworowska, Population Division, Census Bureau

Census Data Mapper
Meghan Smith, Geography Division, Census Bureau

Dev3 Collaboration at the Census Bureau and Future Visions
Marc Perry, Population Division, Census Bureau

WATER RESOURCES I

Room: Capitol B

Chair: Christopher A. Badurek, Appalachian State University

The Hueco Bolson: A Case for Improved Transboundary Aquifer Management
Lindsay Sansom, Texas A&M University, College Station

Stream Restoration and Hydrochorry: Seed Pool Spatial Variation among Restored and Degraded Reaches Of The Kissimmee River, Florida
Scott H. Markwith, Florida Atlantic University

Analysis of Impacts of Removing The Fort Loudon Dam On Upstream Residential Property Values In Tennessee
Jeffrey C. French and Christopher A. Badurek, Appalachian State University
REMOTE SENSING I  
 Room: Capitol C  
 Chair: Jennifer L. R. Jensen, Texas State University – San Marcos  

Identifying Land-Use/Cover Change (1989 To 2009), And Recent Land-Use Patterns Using Remote Sensing And Gis On Kutubdia Island, Bangladesh  
 Munshi Khaledur Rahman, Thomas Schmidlin, Mandy Munro-Stasiuk, and Andrew Curtis, Kent State University  

Land Cover Versus Temperature In The Auburn-Opelika, Alabama Urban Area  
 Andy Hug, Chandana Mitra, Yingru Li, and Luke Marzen, Auburn University  

Lidar-Based Detection Of Shrubland And Forest Land Cover To Improve Identification Of Golden-Cheeked Warbler Habitat  
 Jennifer L. R. Jensen, Sandra Irvin, and Adam Duarte, Texas State University - San Marcos  

GEOGRAPHY EDUCATION I: CURRICULUM  
 Room: Senate A  
 Chair: Richard G. Boehm, Texas State University – San Marcos  

Connecting Compliance to the Curriculum: Mapping Stormwater Infrastructure And Pollution Through Undergraduate Community-Based Research And Service-Learning Program  
 Jessica J. Kelly, Millersville University  

Student Assessment of a GIS Internship Program in a Rural Setting  
 Hyun Joong Kim, Pittsburg State University  

Mapping Geographic Literacy in Texas  
 Jeff Lash, University of Houston - Clear Lake  

The Learning Cluster Model as a Means of Extending the Capabilities of an Online Professional Development System in Geography  
 Carmen P. Brysch and Richard G. Boehm, Texas State University - San Marcos  

URBAN GEOGRAPHY I: ENVIRONMENT  
 Room: Senate B  
 Chair: Brooks C. Pearson, University of Central Arkansas
A Comparison of Forest Disturbance Based on Land Ownership and Topography in Conterminous United States, 2006-2010  
Riley Forsyth, South Dakota State University

A Contingent Valuation of Tampa's Urban Forest  
Alec Foster, Temple University and Graham A. Tobin, University of South Florida

Assessing the Impact of Forest Fragmentation Due to Natural Gas Development on Wild Turkey Nesting Success in Van Buren County, Arkansas  
Brooks C. Pearson, James K. Casey, M. Victoria McDonald, and Jerry Reynolds, University of Central Arkansas

The Spatial Implications of the Yamoransa-Mankessim Coastal Highway and Pedestrian Safety  
Erick K. Aikins, University of Cape Coast, Cape Coast, Ghana

SESSIONS W2: 3:30 PM – 5:00 PM

CLIMATOLOGY I: CLIMATIC VARIATIONS IN THE USA  
Room: Capitol A
Chair: John Harrington, Jr., Kansas State University

Precipitation Variability Trends in Texas, 1932-2011  
Rebecca Parylak, Kent State University and Richard W. Dixon, Texas State University  
- San Marcos

Tornado Vulnerability Variance over a 24-Hour Cycle for an Urban Metropolitan Region  
Marius Paulika, Kent State University

Communicating Kansas Climate and Climate Change: Initial Development of a Web-Based Resource  
Ram Raghavan and John Harrington, Jr., Kansas State University

ECONOMIC GEOGRAPHY I: ANALYSIS AND POLICIES  
Room: Capitol B
Chair: Richard Shaker, Binghamton University

Chinese FDI in the US: A State Level Analysis of the Geography of FDI and FDI Per Capita, 2012  
Jeremy Bennett and Jay D. Gatrell, Indiana State University
Incentivizing Economic Inclusion: Access to Financial Services in Underserved Areas
Ian M. Dunham, Temple University

The Geographic Profile of an Economic Crisis
Johannes Moenius, University of Redlands

The Sunshine State, GDP, and the DMSP-OLS - A Time Series Trend Case Study
Dolores Jane Forbes, Florida Atlantic University

GIS I: ONLINE/INTERNET GIS
Room: Capitol C
Chair: Arleen A. Hill, University of Memphis

Developing and Testing an Online Tool for Volunteered Geographic Information Collection
David A. Parr and Michael Scholz, Texas State University - San Marcos

An Open Source Software Approach to Geospatial Sensor Network Standardization
Andrew J. Rettig and Dan Heintzelman, University of Cincinnati, Sumit Khanna, University of Tennessee, and Richard A. Beck, University of Cincinnati

Prototype Global Coding of Political Geographies for Library and Data Management - Wikipedia Example
Thomas J. Christoffel, FeRSA, Regional Intelligence-Regional Communities, LLC

GIS As a Platform for Regional Information Sharing in Emergency Management/Homeland Security
Arleen A. Hill, Brian A. Waldron and Lauren E. Goddard, University of Memphis, and Robert D. Nations, Jr., Shelby County, Memphis, TN

HEALTH GEOGRAPHY I: GEOGRAPHY OF DISEASES
Room: Senate A
Chair: Kent McGregor, University of North Texas

The Spatial Heterogeneity of Demographic Variables Associated with Male Suicide in the United States
Andrew B. Trgovac and Sharmistha Bagchi-Sen, University of Buffalo – SUNY

Exploratory Spatial Data Analysis of Major Respiratory Diseases across Central Appalachia
Timothy S. Hare, Chad Wells, Porsha Smith, and Nicole Johnson, Morehead State University

Exploratory Space-Time Analysis of Dengue Incidence in Trinidad: A Retrospective Study, 1998-2004
Ron Mahabir, George Mason University

Coping with Meniere's Disease: Identification on Places with Fewest Weather Changes
Kent McGregor, University of North Texas

URBAN GEOGRAPHY II: DEVELOPMENT

Room: Senate B
Chair: John R. Lombard, Old Dominion University

Assessing Sustainable Urbanization across Europe: Application of the Wellbeing of Nations index
Richard R. Shaker and Sara L. Zubalsky, Binghamton University

The Washington, D.C. Area 1790-1890: From Two Towns to A Growing Capital City
Sinclair Sheers, George Mason University

Measuring Temporal Displacement of Non-Violent Crime
Vijayaprabha Rajendran and Falguni Mukherjee, Department of Geography and Geology, Sam Houston State University

Regional Visioning: A Case Study of Capturing Public Preferences on Land Use Planning for the Future Using Legos and GIS
John R. Lombard and George McLeod, Old Dominion University and Sara Kidd, Hampton Roads Planning District Commission, Chesapeake, Virginia

SESSIONS W3: 5:00 PM – 9:00 PM

POSTER PRESENTATIONS

Assessing and Evaluating Environmental Literacy of University Freshmen
Krystal Davis and Zachary Linn, Pittsburg State University

Landscape Zonation Map Design in the Ecuadorian Amazon Using Geospatial Techniques
Ophelia Wang, Northern Arizona University
Note: additional poster presentations will be added after the September deadline for entries.

SECTIONS W4: 7:00 PM – 9:00 PM

OPENING RECEPTION
Co-Sponsored by George Mason University

Speaker: Liz Groff, Temple University
Application of the research-practice dialogue in understanding and preventing crime: Tales from an applied geographer
GEOGRAPHY OF HAZARDS I: FLOODS

Room: Capitol A
Organizers: Burrell A. Montz, East Carolina University and Graham A. Tobin, University of South Florida
Chair: Burrell A. Montz, East Carolina University

Non-Authoritative Data for Flood Disaster and Road Infrastructure Assessment
Emily Schnebele, George Mason University, G. Cervone, Pennsylvania State University, C. Oxendine, U.S. Military Academy, and N. Waters, George Mason University

Communicating Flood Risk: Getting Our Act Together
Michael S. Scott, Salisbury University

GIS Application for Jakarta Flood Evacuation Planning Using Network Analyst
M. Ramdhani Fajri, Mia Renauly, and Fathu Rohmah, Universitas Indonesia

Record Flooding, Levee Certification, and Mapping: A Case Study of Floodplain Designation Issues in New York
Burrell A. Montz and Christine Gares, East Carolina University

REMOTE SENSING II

Room: Capitol B
Chair: Janet Gritzner, South Dakota State University

Remote Sensing of Evapotranspiration in Florida Using Dry Pixel Calibration
Aaron Evans, Florida Atlantic University

Validation of the Everglades Depth Estimation Network (EDEN) Water-Surface Model
Zixiao Xie, Florida Atlantic University, Zhongwei Liu, Indiana University of Pennsylvania, and Yingru Li, Auburn University

A Remote Sensing Based Study on Silt Deposition in Meghadrigedda Reservoir, Visakhapatnam, India
P. Jagadeeswara Rao and G. Ashenafi Tolessa, Andhra University, Visakhapatnam, India (withdrawn)
Deriving Measures and Profiles of Wetland Feature from LAS Datasets
Janet Gritzner and Bruce V. Millett, South Dakota State University

ETHNIC AND RACIAL GEOGRAPHY I

Room: Capitol C
Organizers: John W. Frazier and Jay Newberry, Binghamton University
Chair: John W. Frazier, Binghamton University

Considering the Heritage of Place in Consultation with Indigenous Peoples
Roxanne T. Ornelas, Miami University, Ohio

Socioeconomic Effects of Gaming Casinos on Native American Reservations
Lauren Burns and Norah F. Henry, Binghamton University

Cultural Geographies of Dearborn, Michigan
William Louie Kiskowski, Kent State University

James C. Saku, Frostburg State University

LOCATIONAL INTELLIGENCE II: RESTAURANTS, FOOD, AND TOURISM

Room: Senate B
Chair: Tony Hernandez, Ryerson University, Canada

Applications of Gravity Modeling to Evaluate Dine-In Restaurant Location and Competitiveness Using a Representative Sample, Jefferson County, Kentucky
Joel P. Dock and Wei Song, University of Louisville

Retail Change and Light Rail: An Analysis of Restaurant and Retail Location Changes Associated with Transit Station Development in Denton, Texas
Trevor Yarbrough and Murray D. Rice, University of North Texas

Marketing American Microbrews: Promoting Neolocalism One Map at A Time
Matthews T. Pattern and Adam J. Mathews, Texas State University - San Marcos

Taste Paradise: Tropical North Queensland As A Gastronomic Tourism Destination
Deborah Che, Southern Cross University, Rose Wright, Knowledge Transfer Services Pty Ltd., and Robyn Rae, Queensland Department of State Development, Infrastructure and Planning, Australia

SESSIONS T2: 10:30 AM – 12:00 NOON
GEOGRAPHY OF HAZARDS II: POST DISASTERS

Room: Capitol A
Chair: Graham A. Tobin, University of South Florida

Geographic Differences in Emergency Management Decision-Making: A Case Study of Severe Weather in the MidWest
Holly Lussenden, East Carolina University

Hazard Characterization of Induced Seismicity in Eastern Ohio: A Hydraulic Fracturing Investigation
James Lein, Ohio University

Post-Katrina Population Loss and Uneven Recovery in New Orleans 2000-2010
Fahui Wang, Department of Geography and Anthropology, Quan Tang, Department of Geography and Anthropology and ESRI, Inc., and Lei Wang, Department of Geography and Anthropology, Louisiana State University

Networks of Place, Places of Networks: How Disaster-Affected Villages and Resettlements Are Connected and Separated through Aggregates of Personal Support Networks
Graham A. Tobin, University of South Florida, Eric C. Jones, University of North Carolina Greensboro, A. J. Faas, North Carolina University, Arthur D. Murphy, University of North Carolina Greensboro, Chris McCarty, University of Florida, and Linda M. Whiteford, University of South Florida

GIS II: SPATIAL ANALYSIS

Room: Capitol B
Chair: Ronald Wilson, US Department of Housing and Urban Development

A GIScience Approach to Urgent Care Facility Site Selection in Nebraska
Paul Burger, University of Nebraska at Kearney, Brett Chloupek, Northwest Missouri State University, and H. Jason Combs, University of Nebraska at Kearney

GIS Analysis of Power Plant Carbon Dioxide Emission Inventory Database in the Continental United States
Maya G. Hutchins and Christopher A. Badurek, Appalachian State University

Identifying Potential Hotspots of Conflict between Wildlife and NTFP Harvesters Using Spatial Analysis: A Case Study of Intersecting Florida Black Bear Habitat and Saw Palmetto Berry Harvesting
Christine Mitchell, Florida Atlantic University

Transforming Data to Improve the Thematic Mapping of Regional Racial Segregation Patterns
   Ronald Wilson, US Department of Housing and Urban Development and University of Maryland, Baltimore County

ETHNIC AND RACIAL GEOGRAPHY II

Room: Capitol C
Organizers: John W. Frazier and Jay Newberry, Binghamton University
Chair: Jay Newberry, Binghamton University

Mapping Political Segregation in the Metropolis: Non-Spatial and Spatial Measures
   Charlie H. Zhang, University of Louisville

Somali Secondary Migrations: An Analysis of Locational Determinants
   Jay Newberry, Binghamton University

Disparities in the US Census Racial Categories and the Population's Perception of Race: The Case of Puerto Rico
   Ana I. Sanchez-Rivera, Binghamton University

The Status of Women in Senegal: A Comparative Analysis among Predominantly Muslim Countries in Africa
   Yasmin Diallo Turk, Texas State University - San Marcos

HEALTH GEOGRAPHY II: FOOD AND ENVIRONMENT

Room: Senate A
Chair: Stacey R. Brown, Southern Illinois University Edwardsville

Area Disparities of Obesity, Non-Fresh Food Outlets, and Fitness Centers
   Jay Lee, Mohammad Al Nasrallah, Kent State University, Everett Logue, Summa Health System, Ohio, and Heather Beaird, Kent State University

The Location of an Organic Food Store in Western New York State
   Patrick Callahan, Binghamton University

Delineating Urban Food Deserts with GIS at Nashville, Tennessee: 2003-2013
   David A. Padgett, Tennessee State University (withdrawn)

The Price is Right? Food Availability and Affordability in Oklahoma City
   Stacey R. Brown, Southern Illinois University Edwardsville
LOCATIONAL INTELLIGENCE II: RETAIL CHAINS AND MARKETS

Room: Senate B
Chair: Lawrence Joseph, Arizona State University

Modeling Retail Chain Expansion through Wave Analysis
   Lawrence Joseph, Arizona State University

Can You Really Walk There from Here? A Case Study of Walkability at Mockingbird Station in Dallas, Texas
   Owen Wilson-Chavez and Murray D. Rice, University of North Texas

Changes in Consumer Behavior during the Great Recession: A Spatio-Temporal Analysis Using Retail Data
   Xin Zhao, University of Redlands

Examining the Impact of Spatial Measures on Residential Property Prices in the Toronto Region
   Maurice Yeates, Tony Hernandez, and Paul Du, Ryerson University, Canada

SESSIONS T3: 1:30 PM – 3:00 PM

GEOGRAPHY OF HAZARDS III: PREPAREDNESS

Room: Capitol A
Chair: Philip L. Chaney, Auburn University

Safe Travels? An Examination of the Search and Rescue Policies and Capabilities in the Northwest Passage Region
   David Schwartz, California State University Long Beach

Animal Evacuations during Wildfires: An Oklahoma Case Study
   Breanna Shunn, Oklahoma State University

Vulnerability Assessment of Tropical Cyclones in Coastal Bangladesh
   Istiak A. Bhuayn and Thomas Linsenmeyer, Towson University, Nashid Kamal Khadem, University of Dhaka, and Kang Shou Lu, Towson University

Mobile Home Resident Preparedness for Tornado Hazards: The 2011 Disaster in Dekalb County, Alabama
ECONOMIC GEOGRAPHY II: ENVIRONMENT AND POLICIES

Room: Capitol B
Chair: Catherine A. Hooey, Pittsburg State University

Eagle Ford Shale Production: Infrastructure Effects in Lasalle County and Cotulla, TX, USA
Stacey L. Allbritton and Donald J. Huebner, Texas State University - San Marcos

The Economic Importance of Hunting in Southwestern Montana
Ryan D. Bergstrom, Gustavus Adolphus College and Shannon V. Taylor and Katherine J. Hanson, Montana State University

"Galamsey" Redefined: Counting the Social and Environmental Cost of the New Rush for Ghana’s Gold and the Implications for Sustainable Local Development
John Boakye-Danquah, United Nations University, Japan

The Impacts of Natural Revegetation of Abandoned Mine Land on Changing Land Use Patterns in Southeast Kansas
Catherine A. Hooey and Timothy J. Bailey, Pittsburg State University

ETHNIC AND RACIAL GEOGRAPHY III

Room: Capitol C
Organizers: Jay Newberry and John W. Frazier, Binghamton University
Chair: David H. Kaplan, Kent State University

The Redistribution of Puerto Ricans in New York: Contemporary Settlement Patterns and Socioeconomic Status, 2010
Jennifer Hinojosa, University of Maryland

Is It Really Worth It? Polish Labor Migrants to London, UK
Weronika Kusek, Kent State University

Asian Indians and the Transformation of Queens Neighborhoods: The Need for Conflict Resolution
John W. Frazier and Brendan McGovern, Binghamton University

Geo-Demopsychography of Global War on Terrorism
GEOGRAPHY EDUCATION II: TEACHING METHODS

Room: Senate A
Chair: Paporn Thebpanya, Towson University

Integrating Geospatial Technology across University Environmental Science Courses
Emariana Taylor, Kent State University

Promoting High-Level Geographic Learning with Clickers
Yu Zhou, Bowling Green State University

Relating Girls and Science: Increasing Geography/STEM Interest in Rural High School Girls in Kansas
Lisa K. Tabor and Lisa M. B. Harrington, Kansas State University

The Implementation of GIS Secondary Education in the State of Maryland
Paporn Thebpanya and Heather Holst, Towson University

LOCATIONAL INTELLIGENCE III: GEOGRAPHY, TECHNOLOGY, AND BUSINESS

Room: Senate B
Chair: Murray D. Rice, University of North Texas

Longitudinal Examination of Business Clustering in Knowledge-Based Industries in the Austin Metropolitan Statistical Area, 2007 to 2012
Eric Clennon, R. Denise Blanchard, and Edwin T. Chow, Texas State University - San Marcos

Localism and American Broadcasting in the Age of Satellite Television
Jonathan C. Comer and Thomas A. Wikle, Oklahoma State University

How LinkedIn is corporate America? A Geographic Analysis of LinkedIn Social Network Participation among Fortune 500 Firms and Their Employees
Murray D. Rice, University of North Texas

SESSIONS T4: 3:30 PM – 5:00 PM
Characterization of the Urban Heat Island Intensity within Jefferson County, Kentucky
Jeremy Sandifer, University of Louisville

Measuring the Relationship of Various Climate Change-Related Variables and Contextualizing Its Interaction in the Caribbean Region
Harrison W. Flores-Ortiz, Texas State University - San Marcos

Analysis of Ground-Level Ozone in Granite City, Illinois during Late Summer 2012
Mark L. Hildebrandt and Alex McBride, Southern Illinois University Edwardsville

Area Vulnerability of Pneumonia Caused by Climate Change in Padang City, West Sumatera Province, Indonesia
Ajeng Dewi Andini and Nur Mufidatunnisa, Department of Geography, University of Indonesia, Indonesia

Spatial Accessibility of Public Universities in Texas
Kanika Verma, Nathaniel Dede-Bamfo, and Edwin T. Chow, Texas State University - San Marcos

Visualizing Neighborhood Development through a Historical GIS Lens: A Pedagogical Approach
Greg Rybarczyk, University of Michigan – Flint

Chris Laingen, Eastern Illinois University
Towards a Concept of a Polyethnic Neighborhood
David H. Kaplan, Kent State University

Clustering with Visibility and Invisibility: Towards and Understanding Ethnic Clustering by the Same Ethnic Group in Different Locations
John W. Frazier and Kevin Heard, Binghamton University

Cultural Transmission of the Tamil Diaspora: A Case Study of Cleveland, Ohio
Christabel Devadoss, Kent State University

Chinatown, Ethnoburg, Or Invisiburb? Changing Settlement Patterns of Chinese Migrants to Texas
Melissa Holmes and Sara Blue, Texas State University - San Marcos

Uyghur Muslim Minorities: From Mao to Present
Syed S. Uddin-Ahmed, St. John's College of Liberal Arts and Sciences, New York

PHYSICAL GEOGRAPHY

Room: Senate A
Chair: Steve Jennings, University of Colorado Colorado Springs

Historical Channel Change of Vermillion Creek, Kansas, USA, Between 1927 and 2012
Rhett L. Mohler, Saginaw Valley State University

Predicting Pumice Raft Trajectories
Michael R. Bender, Pennsylvania State University and NASA Develop National Program

Vulnerability of Kuwait Coast to Sea-Level Rise
Mohammad M. M. Alsahli and Ahmed M. AlHasem, Kuwait University, Kuwait

Forest Changes on Pikes Peak, Colorado, as Interpreted through Repeat Photography
Steve Jennings, University of Colorado Colorado Springs

LOCATIONAL INTELLIGENCE PANEL: FUTURE DIRECTIONS IN LOCATIONAL INTELLIGENCE RESEARCH AND TEACHING

Room: Senate B
NOVEMBER 1, 2013
SESSIONS F1: 8:30 AM – 10:00 AM

WATER RESOURCES II

Room: Capitol A
Chair: Richard A. Earl, Texas State University – San Marcos

Inundation Patterns and Plant Growth in Constructed Wetland Characterized by Dynamic Water Budget Model
Paul Hudak, University of North Texas

Investigating Aquatic Invasive Species Propagation within the Adirondack Region of Northern New York
Richard R. Shaker and Charles Rapp, Binghamton University

Comparative Analysis of Attitudes towards Water Management Decision-Making in Western North Carolina
Christopher A. Badurek, Robin Hale, Kristan Cockerill, Appalachian State University

The Edwards Aquifer and Changes in the San Antonio, Texas Water Supply, 1993-2013
Richard A. Earl, Texas State University - San Marcos

CENSUS BUREAU APPLIED CARTOGRAPHY AND MAPPING PRODUCTS

Room: Capitol B
Organizer and Chair: Michael Ratcliffe, Geography Division, Census Bureau

Accessing Census Bureau Data Prejoined with TIGER/Line Shapefiles
Thomas Morton, U.S. Census Bureau

Census Flow Mapper: A New Mapping Application for County-to-County Migration Flows
Ryan Kemna, U.S. Census Bureau

The Challenge of Cartographic Design for the Web When Presenting A Plethora of Content: The TIGER Web Experience
Douglas Lockhart and Stephen Jones, U.S. Census Bureau

Designing Congressional District Maps
Michael DeGennaro and Linda Orsini, U.S. Census Bureau
**REMOTE SENSING III**

*Room: Capitol C*

*Chair:* James A. Lein, Ohio University

Preliminary Comparative Analysis of Data Fusion of LIDAR and Optical Imagery for Coastal Vegetation Mapping in South Florida Using an Object-Oriented Approach  
Georgia H. De Stoppelaire, Florida Atlantic University

Tree Canopy Foliar Volume from Terrestrial LIDAR Scanner Data  
Clint Harper, Nate Currit, and Jennifer Jensen, Texas State University

Maps and Locals: Using Landsat Image Analysis to Document Eastern Red Cedar Expansion in the Northern Flint Hills  
Bryanna Pockrandt, Shawn Hutchinson, and John Harrington, Jr., Kansas State University

**GEOGRAPHY EDUCATION III: SECONDARY EDUCATION**

*Room: Senate A*

*Chair:* Gillian Acheson, Southern Illinois University Edwardsville

The Impact of School District Spending: Exploring the Connection between School District Expenditures and Graduation Rates in Virginia  
Amber Boykin, Michael Gaskins, Sarah Jackson, Christine McDonnell, and Michael L. Mann, George Washington University

Community Geography's Potential for Broadening Participation in Geographic Research  
Timothy L. Hawthorne, Georgia State University

Teacher Preparation in Geography: An Illinois Case Study  
Gillian Acheson, Southern Illinois University Edwardsville

Area Suitability of Public School Development in West Sulawesi Province, Indonesia  
Rasyiddin Azhar and Heru Purwanto, University of Indonesia, Indonesia

**URBAN GEOGRAPHY III: HOUSING ISSUES**

*Room: Senate B*

*Chair:* Michael M. Mann, George Washington University

Using Near Repeat Analysis for Measuring Housing Problems: Examples with Foreclosures and Housing Choice Voucher Relocations
Ronald Wilson, US Department of Housing and Urban Development and University of Maryland, Baltimore County

Demographic Changes and Gentrification in Washington, DC
Cinthia Josette Arévalo, Bálint Pető, Agustina Suaya, and Michael M. Mann, George Washington University

Modeling Residential Development of California: Wildland Encroachment 1999-2049
Michael L. Mann, Peter Berck, Max Moritz, Enric Batllori, Jamie G. Baldwin, and Dick Cameron, George Washington University

SESSIONS F2: 10:30 AM – 12:00 NOON

CLIMATOLOGY III: REGIONAL CLIMATOLOGY
Room: Capitol A
Chair: Richard W. Dixon, Texas State University – San Marcos

The Influence of Long- and Short-Term Climatic Changes to Chernozem Soils: Central Chernozem Region of Russia
Yury Belgorod State University, Russia, Anthony Lupo, University of Missouri, Aleksandr Petin and Maria Lebedeva, Belgorod State University, Russia

Sultry Charm City: Shifting Probabilities of Hot Days in the Baltimore Metropolitan Area - 1899 to 2012
Kent Barnes, Towson University

Preliminary Analysis of the Synoptic-Scale Environment Associated with Tornado Clusters Produced by Tropical Cyclones in the United States, 1995-2010
Tood W. Moore, Towson University and Richard W. Dixon, Texas State University - San Marcos

New Insight into Colorado's Lightning Climatology: The Influence of Elevation and Terrain Features
Brandon J. Vogt, University of Colorado Colorado Springs and Steven Hodanish, NOAA/National Weather Service

CENSUS BUREAU DEMOGRAPHIC AND GEOGRAPHIC ANALYSIS
Room: Capitol B
Organizer and Chair: Michael Ratcliffe, US Census Bureau

Accessing and Analyzing Migration Flows Using the Census Flows Mapper
Melanie A. Rapino, U.S. Census Bureau
A Geographic Analysis of Address Change during the 2010 Census Update-Leave Operation  
Sally Snodgrass, U.S. Census Bureau

Race, Ethnicity, Place and the 2010 Census: An Investigation into the Character of Places Delineated for the 2010 Census  
Joshua J. Coutts, U.S. Census Bureau

Census Geographic and Demographic Information for Colonias  
Michael Ratcliffe, U.S. Census Bureau

GIS IV: TRANSPORTATION
Room: Capitol C  
Chair: Kang Shou Lu, Towson University

Using ArcGIS Network Analyst for Criterion-Based Bicycle Route Selection on Existing Road Networks  
Kathleen D. Seal, Texas State University - San Marcos

Building a Social Network Platform for Collecting Geographic Information of the Unsheltered Homeless Population  
Chen Xu and David W. Wong, George Mason University

Expedition Altai: An Interdisciplinary Quest to Uncover Ancient Migration Routes in an Asian Frontier  
James P. Phillips, East Tennessee University

Comparing Two Models That Estimate Carbon Sequestration Ecosystem Service Value  
Carly Dean and Kang Shou Lu, Towson University

URBAN GEOGRAPHY IV: PLANNING ISSUES
Room: Senate A  
Chair: Mark A. Blumler, Binghamton University

Planning or Predation? The Story of a Special Purpose District in Texas  
James Vaughan, University Texas at San Antonio

Urban Expansion and Environment Parameters: A Case Study of Huntsville, Alabama  
Urban Planning for Biodiversity Conservation
Mark A. Blumler, Binghamton University

HEALTH GEOGRAPHY III: REGIONAL STUDIES

Room: Senate B
Chair: Wei Song, University of Louisville

HIV/AIDS in Botswana: Factors Influencing the Disparity between Illness and Treatment-Seeking Behavior
M. Bene, Binghamton University

Years of Potential Life Lost for 2010, Mahoning County, Ohio
Lashale Pugh, Youngstown State University

Application of GIS as A Fundamental Tool in Polio Eradication in Nigeria
Oluwaseun Egbinola, University of Ibadan, Nigeria

Area Health Disparities Based on Death Certificates: A Case Study of Census Tracts in Summit County, Ohio
Gordon A. Cromely, Mohammad Al Nasrallah, Jay Lee, and Heather Beaird, Kent State University

SESSION F3: 2:30 PM – 3:40 PM

PANEL SESSION

Beyond the Ivory Tower: Applied Careers for Geographers

Room: Capitol A
Moderators: Joy K. Adams and Michael Solem, Association of American Geographers
Panelists
Rachel Berndtson, University of Maryland
Kaile Bower, U.S. Census Bureau
Ed Butterworth, CACI International
Larry Carlson, Larry Carlson & Associates
Ellen Foster, University of Mississippi
Johannes Moenius, Institute for Spatial Economic Analysis
Emily Vogt, University of Colorado Colorado Springs
SESSION F4: 3:50 PM – 5:00 PM

WORKSHOP

Room: Capitol A
Preparing Geography Students for the 21st-Century Workforce
Moderators: Joy K. Adams and Michael Solem, Association of American Geographers and Cathy Cooper, Independent Scholar

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Room: Senate B
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