

# *The 32<sup>nd</sup> Applied Geography Conference*

## **Program and Proceedings**

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*October 28-31, 2009*

Sheraton Baton Rouge  
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102 France Street  
Baton Rouge, Louisiana 70802  
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## ***2009 Applied Geography Conference***

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## ***The 32<sup>nd</sup> Applied Geography Conference***

### **Conference at a Glance**

#### **Wednesday, 10/28/2009**

5:00pm–7:00pm: Registration

6:30pm–7:00pm: Conference Keynote Speech (Livingston)

Applied Geography on the Road to the 2010 Census: Geographic Activities Supporting the Decennial Census

7:00pm–8:30pm: Session W1 (East Baton Rouge)

Census 2010

7:00pm–8:30pm: Exhibition and Poster Session Open

8:30pm–10:00pm: Opening Reception (Livingston)

#### **Thursday, 10/29/2009**

8:00am–3:00pm: Registration

8:30am–10:00am: Session T1

M E Harvey I: Geographic Analysis (Iberville 1)

Retail Geography (Iberville 2)

Geography Education (Iberville 3)

10:00am–10:30am: Session Break

10:00pm–3:30pm: Exhibition and Poster Session Open

10:30am–12:00pm: Session T2

Geospatial Technology (Iberville 1)

Retail Geography Panel (Iberville 2)

Diversity and Ethnic Issues Panel (Iberville 3)

Applied Climatology (East Baton Rouge)

Water Resources I (West Baton Rouge)

12:00pm–1:30pm: Lunch Break

1:30pm–3:00pm: Session T3

Remote Sensing I (Iberville 1)

Applied Urban Geography I (Iberville 2)

Urbanization and Environment (Iberville 3)

Hazards (East Baton Rouge)

Applied Coastal Geomorphology (West Baton Rouge)

3:00pm–3:30pm: Session Break

3:30pm–5:00pm: Session T4

Land Use Studies (Iberville 1)

Environmental Policy and Analysis (Iberville 2)

Diversity and Ethnic Issues (Iberville 3)

Medical Geography (East Baton Rouge)

Biogeography I (West Baton Rouge)

5:30pm–7:30pm: Dr. Milton E. Harvey Reception (Livingston)

7:30pm-8:30pm: Editorial Board Meeting, *Journal of Applied Geography*

**Friday, 10/30/2009**

8:00am-3:00pm: Registration

8:30am-10:00am: Session F1

M E Harvey II (Iberville 2)

Sports Geography (Iberville 3)

Geography of Crime I (East Baton Rouge)

10:00am-10:30am: Session Break

10:00pm-3:30pm: Exhibition and Poster Session Open

10:30am-12:00pm: Session F2

GIS and Mapping (Iberville 1)

Business Geography (Iberville 2)

Applied Urban Geography II (Iberville 3)

River Basins (East Baton Rouge)

Land Boundary Issues and Water Policy (West Baton Rouge)

12:00pm-1:30pm: Luncheon (Livingston)

Tropical Weather & the Bayou State: Understanding the Risk

1:30pm-3:00pm: Session F3

Remote Sensing II (Iberville 1)

Urban Transportation (Iberville 2)

Local and Regional Black Geographies in the US (Iberville 3)

Urban Heat (East Baton Rouge)

Applied Physical Geography (West Baton Rouge)

3:00pm-3:30pm: Session Break

3:30pm-5:00pm: Session F4

Agriculture (Iberville 1)

Applied Political Geography (Iberville 2)

M. E. Harvey III: Ethnic Geography (Iberville 3)

Geography of Crime II (East Baton Rouge)

Biogeography II (West Baton Rouge)

6:30pm-7:30pm: Board of Directors Meeting (Livingston)

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**Saturday, 10/31/2009**

8:00am-2:00pm: Field Trip

Geography of New Orleans: From Colonial Time to Post-Katrina

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***The 32<sup>nd</sup> Applied Geography Conference***

**CONFERENCE PROGRAM**

Wednesday, October 28, 2009

5:00 p.m. – 8:00 p.m.

Registration  
Room

**7:00 p.m. – 8:30 p.m.**

**Exhibition and Poster Paper Room Open**

**6:30 p.m. – 7:00 p.m.**

**Conference Keynote**

**Applied Geography on the Road to the 2010 Census: Geographic Activities Supporting the Decennial Census**

Room: *Livingston*

Keynote Speakers: Michael Ratcliffe and Timothy Trainor, US Census Bureau

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**Session W1: 7:00 p.m. – 8:30 p.m.**

**Census Geography**

Room: *East Baton Rouge*

Organizer: Michael Ratcliffe, US Census Bureau

Chair: Michael Ratcliffe, US Census Bureau

**UPDATE ON THE PARTICIPANT STATISTICAL AREAS PROGRAM FOR THE 2010 CENSUS**

Vince Osier and April Avnayim, US Census Bureau

**UPDATE ON THE TRIBAL STATISTICAL AREAS PROGRAM FOR THE 2010 CENSUS**

Joshua Coutts, US Census Bureau

**ISSUES AND CONSIDERATIONS FOR DEFINING URBAN AND RURAL IN THE US, PUERTO RICO, AND ISLAND AREAS**

Christopher Henrie, US Census Bureau

**2010 CENSUS GEOGRAPHIC PRODUCTS: WHAT AND WHEN**

Andrea Grace Johnson, Jennifer L. Holland, and Angela Andrade, US Census Bureau

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8:30 p.m. – 10:00 p.m.

## Opening Reception

Room: *Livingston*

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**Thursday, October 29, 2009**

**Session T1: 8:30 a.m. – 10:00 a.m.**

### **M E Harvey I: Geographical Analysis**

Room: *Iberville 1*

Organizer: Eugene Tettey-Fio, Binghamton University

Chair: Milton E. Harvey, Kent State University

EXPLORING THE HOUSING MARKET IN PUERTO RICO: A CAUSAL CONCEPTUAL Model

José R. Díaz-Garayúa, University of Puerto Rico

SOCIAL AREA ANALYSIS REVISITED: METHODOLOGICAL IMPROVEMENTS AND APPLICATIONS

Alec Boros and Milton Harvey, Kent State University

A MULTILEVEL ANALYSIS OF FOOD DESERTS AND IMPACTS ON PEDIATRIC NUTRITIONAL HEALTH  
OUTCOMES IN BURKINA FASO

Florence Margai, Binghamton University

EXAMINING THE IMPACT OF CLIMATE CHANGE ON THE SPATIAL DISTRIBUTION OF COASTAL  
WETLAND COMMUNITIES IN THE NORTHEAST NSW

Sumith Pathirana, Clement Akumu and Serwan Baban, Southern Cross University, Australia

### **Retail Geography**

Room: *Iberville 2*

Chair: Lawrence Joseph, Arizona State University

ANALYZING THE EFFECT OF BIG-BOX STORES ON A SPECIALTY RETAILER

Lawrence Joseph, Arizona State University

LOCATIONAL STRATEGIES OF LATINO GROCERY STORE OWNERS IN READING, PA

Mark Reisinger, Binghamton University

THE NUMBER AND SIZE OF BANK BRANCHES: TRENDS AND DETERMINANTS IN ILLINOIS

Bin Zhou, Southern Illinois University-Edwardsville

**Geography Education**

Room: *Iberville 3*

Chair: Richard G. Boehm, Texas State University-San Marcos

GEOGRAPHY ALUMNI PERCEPTIONS OF ACADEMIC PREPARATION FOR DISCIPLINE-RELATED JOBS AND CAREERS

Richard G. Boehm and Judy A. Behrens, Texas State University-San Marcos

A SYSTEMATIC APPROACH TO DEPARTMENT REVIEW USING SWOT-ANALYSIS

Jennifer Speights-Binet, Eric Fournier, and Jennifer Rahn, Samford University

GENDERED GEOGRAPHIES OF INTRODUCTORY HUMAN GEOGRAPHY TEXTBOOKS

Matthew J. Gerike, University of Missouri

SELF-EFFICACY AND PERFORMANCE OF COLLEGE STUDENTS ON A MAP SKILLS SURVEY

Gillian Acheson, Southern Illinois University-Edwardsville

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**10:00pm-3:30pm**

**Exhibition and Poster Session Open**

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**Session T2: 10:30 a.m. – 12:00 p.m.**

**Geospatial Technology**

Room: *Iberville 1*

Chair: Mandy J. Munro-Stasiuk, Kent State University

GROUND PENETRATING RADAR (GPR) ANALYSIS OF KARST ENVIRONMENT NEAR THE ANCIENT MAYA CENTER OF XUENKAL, YUCATAN, MEXICO

Mandy J. Munro-Stasiuk and T. Kam Manahan, Kent State University

GIS APPLICATION IN ARCHAEOLOGY WITH A CASE STUDY FROM YUCATAN, MEXICO

Justin P. Lowry, State University of New York-Albany

KINEMATIC GPS DATA ACQUISITION FACILITIES CAPSTONE COURSE INTEGRATION AND IMPLEMENTATION OF MITCHELL BEACH RESTORATION PROJECT

H. A. Didier, United States Military Academy

W. C. Wright, Mitchell College

C. M. Fleischmann, United States Coast Guard Academy

TEACHING GIS AND REMOTE SENSING UNDERGRADUATE COURSES EXTERNALLY: REFLECTIONS ON A DECADE OF EXPERIENCE

Sumith Pathirana, Southern Cross University, Australia

**Strip Shopping Centers:**

**Perspectives from Tenants, Landlords, and Investors**

Room: *Iberville 2*

Organizer and Chair: Tom Dwyer, Dutch Hill Consulting, Inc.

TO LEAD OR TO FOLLOW? CHALLENGES AND OPPORTUNITIES FOR RETAIL EXPANSION IN A SLUGGISH ECONOMY

Lawrence Joseph, Arizona State University

PROACTIVE RESEARCH BY SHOPPING CENTER LANDLORDS TO ATTRACT AND MAINTAIN TENANTS

Dave Daleiden, Daleiden Associates

HISTORICAL PERFORMANCE OF SUPERMARKET-ANCHORED SHOPPING CENTERS DURING RECESSIONS

Tom Dwyer, Dutch Hill Consulting, Inc.

**Roundtable/Panel: Diversity and Ethnic Issues**

Room: *Iberville 3*

Organizer and Chair: J. W. Frazier, Binghamton University

Participants:

Lawrence Estaville, Texas State University-San Marcos

Eugene Tettey-Fio, Binghamton University

Thomas Boswell, University of Miami

Mark Reisinger, Binghamton University

Angelika Wahl, Texas State University-San Marcos

Linda S. Fair, Binghamton University

**Applied Climatology**

Room: *East Baton Rouge*

Chair: Thomas W. Schmidlin, Kent State University

TEMPERATURE CLIMATOLOGY OF A HIGH VALLEY IN THE JURA ALPS, LA BRÉVINE, SWITZERLAND

Thomas W. Schmidlin and Jeanne A. Schmidlin, Kent State University

GEOGRAPHICAL, METEOROLOGICAL AND CLIMATOLOGICAL CONDITIONS SURROUNDING THE 2008 INTERSTATE FOUR DISASTER

Alicia Williams, Jennifer M. Collins, Charles H. Paxton, and Richard J. David, University of South Florida

EVAPOTRANSPIRATION RATES OVER IRRIGATED COTTON IN NORTHEASTERN LOUISIANA



Robert V. Rohli, E. L. Clawson, and S. A. Hribal, Louisiana State University

COMPARISON OF THE ATMOSPHERIC ENVIRONMENTS LEADING TO THE 1957 AND 2007  
FLOODS IN TEXAS

Kent M. McGregor, University of North Texas-Denton

**Water Resources I**

Room: *West Baton Rouge*

Organizer and Chair: Paul F. Hudak, University of North Texas-Denton

CHARACTERING STORM WATER RUNOFF FROM NATURAL GAS WELL SITES IN NORTH-CENTRAL  
TEXAS

Paul F. Hudak and David J. Wachal, University of North Texas-Denton

WATER SUPPLY AND CLIMATE CHANGE: RETHINKING GROWTH REGIMES IN TEXAS

Kevin Romig and Laura Stroup, Texas State University-San Marcos

EFFECT OF CLIMATE CHANGE ON GROUNDWATER RECHARGE IN CENTRAL WISCONSIN

David L. Ozsvath, University of Wisconsin-Stevens Point

THE WATER BUDGET, CLIMATE VARIABILITY, AND IMPACTS ASSESSMENT IN NORTHEAST  
KANSAS

Iris E. Wilson, John Harrington, Jr., Kendra McLauchlan, Elias Martinson, and Stacy L.  
Hutchinson, Kansas State University

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**Session T3: 1:30 p.m. – 3:00 p.m.**

**Remote Sensing I**

Room: *Iberville 1*

Chair: Michael N. DeMers, New Mexico State University

LANDFORM-BASED ECO-REGIONAL MAPPING IN ARID ENVIRONMENTS: LESSONS FROM THE  
CHIHUAHUAN DESERT

Michael N. DeMers, Daniel P. Dugas, Walter G. Whitford, and Janet Greenlee, New Mexico  
State University

CHARACTERIZATION AND MONITORING THE DECLINE OF WOODY SPECIES IN PROTECTED  
AREAS IN NORTHERN CAMEROON: ANALYSIS IN THE FOREST RESERVE KALFOU USING REMOTE  
SENSING

Wafo Tabopda Gervais, US 140 ESPACE IRD, France

Yengue Jean-Louis, UMR CITERES, France

SEMI-AUTOMATED TO AUTOMATED REFINING METHODOLOGY FOR MID-SCALE LANDFORM MAPPING

Kakoli Saha, Kent State University

VARIABILITY PATTERNS AND OUTLIER SMOOTHING OF THE USGS EDEN DEM IN THE A.R.M. LOXAHATCHEE NATIONAL WILDLIFE REFUGE (LNWR)

Zi Xiao Xie, Florida Atlantic University

**Applied Urban Geography I**

Room: *Iberville 2*

Organizer and Chair: Dawna Cerney, Youngstown State University

DEFINING CLEVELAND: AN AREA THAT COULD HAVE A GREEN FUTURE

Dawna Cerney, Youngstown State University

SOCIO-ECONOMIC CHARACTERISTICS OF DIFFERENT LAND USE IN AUSTIN, TEXAS 2000

Keith Bremer, Texas State University-San Marcos

LIFE AND DEATH OF A HILL COUNTRY DREAM? CONNECTING LAND DEVELOPMENT AND NATURE

Emariana S. Taylor, Kent State University

James W. Vaughan, Texas State University-San Marcos

**Urbanization and Environment**

Room: *Iberville 3*

Chair: Jay D. Gatrell, Indiana State University

BRANDING AND GROWING PLACE-BASED CLUSTERS: THE CASE OF THE NORTHWEST OHIO GREENHOUSE INDUSTRY

Neil Reid, University of Toledo

Bruce W. Smith, Bowling Green State University

Dwight Haase, Paula Ross, and Anastasia Mirzoyants, University of Toledo

Jay D. Gatrell, Indiana State University

REGIONAL ENVIRONMENTAL ENTERPRISE ZONES FOR GREEN INDUSTRIES POWERED BY LANDFILL WASTES

Robert Larsen, Texas State University-San Marcos

SPATIAL PATTERNS OF NEIGHBORHOOD RECOVERY: A CASE STUDY FROM THE 2007 SOUTHERN CALIFORNIA

Jacqueline W. Mills, California State University-Long Island

Andrew Curtis, University of Southern California

PERCEPTS OF SUSTAINABLE COMMUNITY DEVELOPMENT AND NATURAL RESOURCE  
MANAGEMENT: A CASE STUDY OF TWO MONTANA AMENITY TOWNS  
Ryan Bergstrom, Kansas State University

**Geography of Hazards**

Room: *East Baton Rouge*

Organizer: Burrell E. Montz, East Carolina University and Graham A. Tobin, University of South  
Florida

Chair: Burrell E. Montz, East Carolina University

RESPONSES TO WARNINGS: THE MOTHER'S DAY WEEKEND TORNADO OF 2008  
Burrell E. Montz, East Carolina University

BUILDING CODES AND RESIDENTIAL STRUCTURES: SPATIAL AND TEMPORAL PATTERNS OF  
HURRICANE WIND DAMAGE

Graham A. Tobin, University of South Florida

Jeff Burton, Association of Millwork Distributors

HEAVY RAINFALL FROM TROPICAL CYCLONES IN ST. LOUIS, MISSOURI, USA  
Michael J. Grossman, Southern Illinois University-Edwardsville  
Masumi Zaiki, Seikei University, Japan

**Applied Coastal Geomorphology**

Room: *West Baton Rouge*

Organizer: Patrick Hesp, Louisiana State University

Chair: Michael Bitton, Louisiana State University

WAVE ENERGY VARIABILITY AND LONG SHORE SEDIMENT TRANSPORT DURING WINTER STORM  
EVENTS AND IMPLICATIONS FOR LAND MANAGEMENT, GULF COUNTY, FLORIDA  
Michael Bitton, Felix Jose, Greg Stone, and Patrick Hesp, Louisiana State University

BLOWOUT AND PARABOLIC DUNE MIGRATION RATES IN MANAWATU REGION, NEW ZEALAND  
Katherine Renken and Patrick Hesp, Louisiana State University

THE EFFECT OF TRAMPLING ON COASTAL DUNE VEGETATION

Philip Schmutz, Patrick Hesp, Katherine Renken, Ryan Orgera, And Luke Driskell, Louisiana State  
University

SOIL MAPPING WITH GIS AND REMOTE SENSING: A CASE STUDY FROM LOUISIANA  
Yuanda Zhu and David C. Weindorf, Louisiana State University

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**Session T4: 3:30 p.m. – 5:00 p.m.**

## **Land Use Studies**

Room: *Iberville 1*

Chair: Paporn Thebpanya, Towson University

USING HIGH-RESOLUTION THERMAL INFRARED DATA FOR LAND USE AND LAND COVER MAPPING IN THE ATLANTA METROPOLITAN AREA

Paporn Thebpanya, Towson University

MAPPING AND ANIMATING HISTORICAL URBAN GROWTH USING THE LANDSAT ARCHIVE

Charles Roberts, J. L. Delahunty, and Gillian Breary, Florida Atlantic University

A PARCEL-BASED NEURAL NETWORK FOR MODELING MULTI-CATEGORICAL LAND USE CHANGE

Kan Shou Lu and John Morgan III, Towson University

Jeffery Allen, Clemson University

SPATIO-TEMPORAL DYNAMICS OF WATER USE IN EL PASO COUNTY, TEXAS: AN ASSESSMENT OF THE 1991 WATER CONSERVATION ORDINANCE

Jiao Wang, Texas State University-San Marcos

## **Environmental Policy and Analysis**

Room: *Iberville 2*

Organizer and Chair: Bradley Cullen, University of New Mexico

Cape Town: A Future Queer 'Mecca'

Bradley Cullen, University of New Mexico

THE NATIONAL ENVIRONMENTAL POLICY ACT: IS IT TIME TO PUT TEETH BACK IN THE TIGER?

Melinda H. Benson, University of New Mexico

THE ASCE MODEL STATE WATER CODE – REVISITED

Olen Paul Matthews, University of New Mexico

## **Race and Ethnicity**

Room: *Iberville 3*

Chair: David A. Padgett, Tennessee State University

AFRICAN AMERICAN STAKEHOLDERS' ENVIRONMENT PERCEPTION WITH REGARD TO A MAJOR URBAN DEVELOPMENT PROJECT

David A. Padgett and Christopher Norwood, Tennessee State University

AN INVESTIGATION OF THE ROLE OF ETHNIC ATTITUDES ON THE CAUSAL LINKAGE BETWEEN ETHNIC IDENTITY AND ETHNIC BEHAVIOR AMONG THREE GENERATIONS OF GREEK AMERICANS. IS ETHNIC ATTITUDE AS A MEDIATOR OR MODERATOR?

Milton E. Harvey, Kent State University

Stavros Constantinou, Ohio State University

DAYLIGHT SAVING TIME AS AN EXPRESSION OF REBELLION IN CHILÓN, CHIAPAS, MEXICO

Eric Samson, Texas State University-San Marcos

**Medical Geography**

Room: *East Baton Rouge*

Chair: Bimal Kanti Paul, Kansas State University

ATTITUDES TOWARD ARSENICOSIS VICTIMS IN RURAL BANGLADESH: AN EMPIRICAL STUDY

Bimal Kanti Paul, Kansas State University

POLICY PLAY: ASSESSING PROVINCIAL FRAMEWORKS FOR CHILD MENTAL HEALTH REFORM

Amanda Slaunwhite, Queen's University and University of Victoria, Canada

WHEN DOES WEST NILE VIRUS TRANSMISSION CYCLE PEAK AT A LOCAL LEVEL? EVIDENCES AND RELATED VECTOR CONTROL STRATEGIES FROM TWIN CITIES METROPOLITAN AREA OF MINNESOTA

Debarchana Ghosh, Kent State University

**Biogeography I**

Room: *West Baton Rouge*

Chair: Christopher A. Badurek, Appalachian State University

INTEGRATION OF GIS AND GEOSENSORS FOR ENVIRONMENTAL MONITORING AND PRECISION VITICULTURE IN NORTHWESTERN NORTH CAROLINA

Christopher A. Badurek and Lauren A. Hunter, Appalachian State University

TRAUMATIC RESIN DUCTS IN TREE RINGS: A NEW TECHNIQUE FOR DATING NATURAL HAZARDS IN GLACIER NATIONAL PARK, MONTANA

David R. Butler and Jacob A. Maas, Texas State University-San Marcos

Carol Sawyer, University of South Alabama

TREEFALL EVIDENCE FOR HIGH WIND EVENTS IN HAWN STATE PARK, ST. FRANCOIS MOUNTAINS, MISSOURI: A CASE STUDY IN SELECTIVE FIELD DATA COLLECTION

James Thomka and Luke Marzen, Auburn University

MUMODIMO: DESIGN OF A MODEL FOR STUDYING LAND FRAGMENTATION IMPACTS ON PLANT DIFFUSION

John D. Waldron, University of West Florida-Pensacola

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5:30 p.m. – 7:30 p.m.

**Reception for Dr. Milton E. Harvey**

Sponsored by Kent State University  
Room: *Livingston*

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7:30 p.m. – 8:30 p.m.

**Editorial Board Meeting**

*Journal of Applied Geography*

Dr. Jay Gatrell, Indiana State University

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**Friday, October 30, 2009**

**Session F1: 8:30 a.m. – 10:00 a.m.**

**M E Harvey II: Environment and Urban Geography**

Room: *Iberville 2*

Organizer: Eugene Tettey-Fio, Binghamton University

Chair: Milton E. Harvey, Kent State University

ASSESSING THE IMPACT OF VARIABLE WEIGHING STRATEGIES ON THE SPATIAL PATTERN OF HAZARD  
VULNERABILITY

Jim Lein and Lyndsey E. Abel, Ohio University

MULTIPLE CHOICE IDENTITIES: CLARKSVILLE, TN, AS THE TOP SPOT TO BE THE QUEEN CITY OF  
THE NEW SOUTH

Robert Sirk, Austin Peay State University

EMPLOYMENT CONSIDERATIONS IN THE CHANGING PATTERNS OF MANUFACTURING IN  
CLEVELAND

Mary Ann Haley, Kent State University

**Sports Geography**

Room: *Iberville 3*

Chair: Magnus Svindal, Ryerson University, Toronto, Canada

EXPLORING THE SPORTS LANDSCAPE OF TORONTO: FORM, FUNCTION, AND FACILITIES

Tony Hernandez, Ida Berger, and Ted Rogers, Ryerson University

Norman O'Reilly, Laurentian University, Canada

Milena Parent, University of Ottawa, Canada

Magnus Svindal, Ryerson University, Canada

MASCOTS IN MINNESOTA- FROM AWESOME BLOSSOMS TO ZEPHYRS: THE GEOGRAPHICAL  
SIGNIFICANCE OF HIGH SCHOOL NICKNAMES

Mark J. Westpfahl, University of Minnesota

TAKING GROUNDWORK HOME: A STUDY IN PROJECT-BASED GROUP COOPERATION IN THE  
LIGHT OF GEOGRAPHIC DIFFERENCES

David Olesh, Pace University School of Education, New York and Automotive High School, New  
York

A CAPITAL IDEA: A NEW LOOK AT STATE CAPITALS

Michael Round, Center for autoSocratic Excellence

**Geography of Crime I**

Room: *East Baton Rouge*

Organizer and Chair: Ronald Wilson, National Institute of Justice

ANALYSIS OF CRIME PATTERNS IN THE SHAWNEE AREA OF METRO LOUISVILLE BEFORE AND AFTER A LOCAL BAN ON ALCOHOL RATE

Mark Stanfill and Wei Song, University of Louisville

IDENTIFYING THE CORRECT GRID CELL SIZE FOR THE SPATIAL ANALYSIS OF CRIME DATA

Ronald Wilson, National Institute of Justice

Joel Hunt, American University

Timothy H. Brown, National Institute of Justice

SIMULATING PROPERTY CRIMES WITH NEIGHBORHOOD LIFE CYCLES

Jay Lee, Kent State University

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**10:00pm-3:30pm**

**Exhibition and Poster Session Open**

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**Session F2: 10:30 a.m. – 12:00 p.m.**

**GIS and Mapping**

Room: *Iberville 1*

Chair: Fahui Wang, Louisiana State University

MAPPING DIGITAL DIVIDE IN NEIGHBORHOOD: WI-FI ACCESS IN BATON-ROUGE, LOUISIANA

Luke Driskell and Fahui Wang, Louisiana State University

PREDICTING GPS SIGNAL PERFORMANCE UNDER FOREST CANOPY USING AIRBORNE LASER SWATH MAPPING

W. C. Wright, P. W. Liu, K. C. Slatton, R. L. Shrestha, and W. E. Carter, University of Florida

ASSESSING 3D WEB-MAPPING TECHNOLOGY IN PHYSICAL GEOGRAPHIC EDUCATION

S. Houlton, C. W. Cooper, S. Fuhrmann, J. L. Ostling, A. Wranic, and C. Perry, Texas State University-San Marcos

MAPPING THE PAST: VISUALIZATION OF HISTORICAL SURVEY RECORDS USING GIS

Gang Gong, Sam Houston State University

**Business Geography**

Room: *Iberville 2*

Chair: Rebecca A. Johns, University of South Florida



ASSESSING VOLUNTARY SIMPLICITY

Rebecca A. Johns, University of South Florida

CORTANA MALL: CHANGING DEMOGRAPHY, CHANGING BUSINESS – A GEO-STATISTICAL ANALYSIS

Myrtho Joseph, Louisiana State University

SPATIAL PATTERNS OF AVERAGE PROFITABILITY IN JAPANESE MANUFACTURING ACCORDING TO ESTABLISHMENT SIZE, 1985-2006

Shawn Banasick, Kent State University

**Applied Urban Geography II**

Room: *Iberville 3*

Chair: Rajiv Thakur, University of South Alabama

URBANIZATION AND URBAN STRUCTURAL CHANGES IN MOBILE MSA

Rajiv Thakur, University of South Alabama

URBAN POPULATION DENSITY IN THREE INTERMEDIATE SIZE CITIES OF SOUTH AMERICA

Betty Smith, Eastern Illinois University

APPLICATION OF A HOUSEHOLD-LEVEL ACCESSIBILITY MODEL TO ASSESS THE CHANGE IN TRAVEL TIME OF NEW ROUTE IMPLEMENTATIONS IN ALBUQUERQUE, NEW MEXICO

Clark Tribby, University of New Mexico

A GIS ANALYSIS OF HOUSING DENSITY HISTORIES AND RURAL LAND USE CHANGE PROCESSES IN WATAUGA COUNTY, NORTH CAROLINA

Christopher A. Badurek and Austin Chamberlain, Appalachian State University

**Rivers and Basins**

Room: *East Baton Rouge*

Organizer and Chair: John Harrington, Kansas State University

ENVIRONMENTAL CONDITIONS AND RESTORATION ACTIONS IN THE RAINWATER BASIN WETLAND COMPLEX, NEBRASKA

Rex Robichaux and Lisa Harrington, Kansas State University

AN ASSESSMENT OF THE HISTORICAL HYDROCLIMATOLOGY OF THE ANIMAS RIVER BASIN AT DURANGO, COLORADO

C. Andrew Day, Texas State University-San Marcos

A GEOGRAPHIC HISTORY OF THE BRAZOS RIVER DIVERSION AND ITS IMPLICATION FOR REGIONAL DEVELOPMENT

Christi Townsend, Texas State University-San Marcos

**Land Boundary Issues and Water Policy**

Room: *West Baton Rouge*

Organizer and Chair: Philip L. Chaney, Auburn University

THE GRID MEETS THE LONG LOT

Elizabeth Vaughan, Ball State University

THE GEORGIA-TENNESSEE STATE BOUNDARY LINE DISPUTE OVER LAND AND WATER RIGHTS

Philip L Chaney, Auburn University

MANAGING WATER SUPPLY IN THE MIDST OF RAPID GROWTH AND CLIMATE CHANGE

Laura Stroup and Kevin Romig, Texas State University-San Marcos

TRADEOFFS BETWEEN WATER AND HEAT IN PHOENIX, AZ: TOWARD A MORE CLIMATICALLY SUSTAINABLE CITY

Anthony J. Brazel, Katherine Crewe, and Ariane Middel, Arizona State University

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**Luncheon: 12:00 p.m. – 1:30 p.m.**

**TROPICAL WEATHER & THE BAYOU STATE:**

**UNDERSTANDING THE RISK**

Speaker: John M. (Jay) Grymes, III.

Department of Geography & Anthropology

Chief Meteorologist, WAFB-TV of Baton Rouge

Room: *Livingston*

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**Session F3: 1:30 p.m. – 3:00 p.m.**

**Remote Sensing II**

Room: *Iberville 1*

Chair: Dawna Cerney, Youngstown State University

IDENTIFYING AND ASSESSING WINDBREAKS IN FORD COUNTY, KANSAS USING OBJECT-BASED IMAGE ANALYSIS

Mike Dulin and J. M. Shawn Hutchinson, Kansas State University

EXAMINATION OF VEGETATIVE LINE-TRANSECT SAMPLING IN AN ARID ENVIRONMENT  
Anna Klimaszewski-Patterson, New Mexico State University

STUDYING SPATIAL AND TEMPORAL VARIABILITY OF KUWAIT SEA SURFACE TEMPERATURE  
USING MODIS REMOTELY SENSED DATA  
Mohammad M. Alsahli, University of Kansas

**Urban Transportation**

Room: *Iberville 2*

Chair: Jonathan Comer, Oklahoma State University

DETERMINING A LEAST COST ROUTE FOR HIGH SPEED RAIL IN OHIO CORRIDOR  
Amanda N. Mullett, Amy E. Rock, Saad Algharib, Jared Shaffer, And Jay Lee, Kent State  
University

URBAN TRANSPORTATION IN BEIJING, CHINA: CHALLENGES, CAUSES, AND IMPLICATIONS  
Fengjun Jin and Jiaoe Wang, Chinese Academy of Science, China  
Teqi Dai, Beijing Normal University, China

AN ASSESSMENT OF ROAD AND BRIDGE CONDITIONS  
Jonathan C. Comer, Amy K. Graham, and Stacey R. Brown, Oklahoma State University

THE IMPACT OF LIGHT RAIL SYSTEM ON SINGLE FAMILY PROPERTY VALUE IN CHARLOTTE,  
MECKLENBURG COUNTY  
Sisi Yan, University of North Carolina-Charlotte

**Local and Regional Black Geographies in the United States**

Room: *Iberville 3*

Organizer and Chair: John W. Frazier, Binghamton University

FALLING DOWN LIKE HAIL: THE GEOGRAPHY OF AFRICAN-AMERICAN BLUES MUSIC  
Adam Matthews, Binghamton University

A CASE STUDY OF BLACK SES AND SETTLEMENT IN NASSAU COUNTY, NEW YORK  
Jennifer Hinojosa, University of Maryland

GENTRIFICATION OF THE 125<sup>TH</sup> STREET CORRIDOR IN HARLEM, NEW YORK  
Dulce Bueno, Binghamton University

FOREIGN-BORN BLACK IMMIGRATION, MIGRATION, AND SETTLEMENT IN MINNEAPOLIS,  
MINNESOTA: 1995-2000  
Jasmine Davis, University of South Carolina (visiting) and Binghamton University

**Urban Heat**

Room: *East Baton Rouge*

Chair: Mark L. Hildebrandt, Southern Illinois University-Edwardsville

SPATIAL CHARACTERISTICS OF THE ST. LOUIS URBAN HEAT ISLAND: A REMOTE SENSING APPROACH

Mark L. Hildebrandt and Kusumakar Bhusal, Southern Illinois University-Edwardsville

THE USE OF LOW COST DATA LOGGING TEMPERATURE SENSORS IN THE EVALUATION OF AN URBAN HEAT ISLAND IN TAMPA, FLORIDA

JoAnn Sullivan and Jennifer Collins, University of South Florida

THE SEASONALITY OF WARM-WEATHER MORTALITY ACROSS THE UNITED STATES

SCOTT SHERIDAN, KENT STATE UNIVERSITY

Adam Kalkstein, United State Military Academy

**Applied Physical Geography**

Room: *West Baton Rouge*

Organizer and Chair: Richard A. Earl, Texas State University-San Marcos

SEDIMENT MANAGEMENT IN THE UPPER SAN MARCOS RIVER, TEXAS

Richard A. Earl, Tara M. Noah, and Jason D. Arbogast, Texas State University-San Marcos

A RE-EVALUATION OF PAST DATA OF THE THRESHOLD CONDITION FOR WINDBLOWN SAND TRANSPORT

Brandon L. Edwards and Steven L. Namikas, Louisiana State University

CLIMATOLOGY OF MAXIMUM PRECIPITATION IN CENTRAL AND SOUTH TEXAS

Rebecca K. Parylak, Kent State University

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**Session F4: 3:30 p.m. – 5:00 p.m.**

**Agriculture**

Room: *Iberville 1*

Chair: Patrick Hesp, Louisiana State University

FLOW IN ARTIFICIAL VEGETATION

Patrick Hesp, Louisiana State University

Yuxiang Dong, Zhong Shan University, China

Steven Namikas, Louisiana State University

PUBLIC PERCEPTION OF MIDWESTERN CORN ETHANOL PRODUCTION

Benjamin M. Munro, Kansas State University

WILD FOREST FOOD PLANTS: USE, COLLECTION, AND CONSERVATION IN ECUADOR  
Maria Fadiman, Florida Atlantic University

A GIS-BASED METHOD TO PREDICT COUNTY CORN YIELD IN WESTERN OHIO BASED ON  
LANDSAT VARIABILITY  
David L. Hollinger, Kent State University

**Applied Political Geography**

Room: *Iberville 2*

Chair: James A. Tyner, Kent State University

THE KILLING SPACES OF THE CAMBODIAN GENOCIDE  
James A. Tyner, Kent State University

PROJECTS ABROAD HUMAN RIGHTS: THE CASE OF THE YOUNGSFIELD MILITARY BASE REFUGEES  
IN CAPE TOWN, SOUTH AFRICA  
Syed (Sammy) Uddin Ahmed, William Paterson University

DEPLOYMENT OF THE GROUND BASED MID-COURSE DEFENSE SYSTEM: AN INDICATOR OF  
GEOPOLITICAL CHANGES IN CENTRAL EUROPE  
Peter P. Siska, United States Military Academy

IDENTIFYING WHITENESS THROUGH IMMIGRATION POLICY: DENMARK'S 24 YEAR LAW  
Linda S. Fair, Binghamton University

**M E Harvey III: Ethnic Geography**

Room: *Iberville 3*

Organizer: Eugene Tettey-Fio, Binghamton University

Chair: Milton E. Harvey, Kent State University

MOVEMENTS OF ASIAN INDIANS IN QUEENS, NEW YORK  
John Frazier, Norah Henry and Brendan McGovern, Binghamton University

ETHNIC CONFLICT, LAND TENURE, RESOURCE ALLOCATION AND COLONIAL LEGACY IN GHANA AND THE  
CONTESTED LANDS OF AKUSE. CAN GIS TECHNOLOGY HELP THE OSUDOKUS AND MANYA KROBOS?  
Eugene Tettey-Fio, Binghamton University

SUSTAINING ASPECTS OF GREEK ETHNICITY ACROSS THREE GENERATIONS: A FACTORIAL  
INVARIANCE STUDY

Kevin Butler, University of Akron

Milton E. Harvey, Kent State University

Stavros Constantinou, Ohio State University

**Geography of Crime II**

Room: *East Baton Rouge*  
Chair: Wei Song, University of Louisville

RELATING ENVIRONMENTAL AND SOCIO-ECONOMIC STRESSORS TO VIOLENT CRIME:  
EVALUATING THREE MAJOR CITIES IN THE UNITED STATES  
Richard R. Shaker and Greg A. Rybarczyk, university of Wisconsin-Milwaukee

SPATIAL DATA ANALYSIS OF THE RELATIONSHIP BETWEEN SEX OFFENDER RESIDENCE AND  
TREATMENT SERVICE ACCESSIBILITY IN KENTUCKY  
Timothy S. Hare, Paul Steele, and Lincoln Sloas, Morehead State University

A LONGITUDINAL ANALYSIS OF VIOLENT CRIME IN SOUTH BEND, INDIANA  
YU ZHOU, BOWLING GREEN STATE UNIVERSITY  
Qiang Xu, Indiana University-South Bend

**Biogeography II**

Room: *West Baton Rouge*  
Chair: Michael Starr, Southern Illinois University-Edwardsville

APPLIED GEOGRAPHY FOR SPECIES CONSERVATION: THE CASE OF THE ENDANGERED INDIANA  
BAT (MYOTIS SODALIS)  
Michael Starr, Southern Illinois University-Edwardsville

EVALUATING INDIANA BAT SUMMER HABITAT ON SURFACE COAL MINE SITES IN  
SOUTHWESTERN INDIANA USING REMOTE SENSING TECHNIQUE  
Shunfu Hu, Michael Starr, and Randall Pearson, Southern Illinois University-Edwardsville

TEMPORAL ANALYSIS OF DEER-VEHICLE ACCIDENT IN ILLINOIS: 2001-2003  
Samuel Thompson and Keisuke Nozaki, Western Illinois University

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6:30 p.m. – 7:30 p.m.  
**Board of Directors Meeting**  
Room: Livingston

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**Saturday, October 31, 2009**

**8:00 a.m. – 2:00 p.m.**  
**Field Trip**

**GEOGRAPHY OF NEW ORLEANS:  
FROM COLONIAL TIMES TO POST-KATRINA**

Rich Campanella, Tulane University

Depart from *Hotel Lobby* at 8:00 a.m.

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*See you next year in Fort Worth, Texas*