



## AAG Annual Meeting

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### Paper Session:

#### 2508 Geographically Weighted Regression (GWR)

is scheduled on Wednesday, 4/9/2014, from 2:40 PM - 4:20 PM in Room 8, TCC, First Floor

#### Sponsorship(s):

Spatial Analysis and Modeling Specialty Group

#### Organizer(s):

[Jorge V. Ruiz](#) - Universidad Pedagógica Y Tecnológica De Colombia

#### Chair(s):

[David Lopez-Carr](#) - UC Santa Barbara

#### Abstract(s):

**2:40 PM Introduction:** [Jorge V. Ruiz](#) - Universidad Pedagógica Y Tecnológica De Colombia

**2:45 PM Author(s):** \*LI-SAN HUNG - The Pennsylvania State University

Abstract Title: *Family Structure and Household Poverty Rates in the Black Belt States: A Geographically Weighted Regression approach*

**3:05 PM Author(s):** \*Jorge V. Ruiz - Universidad Pedagógica Y Tecnológica De Colombia

Abstract Title: *What does crossing Saber 11 and Saber Pro tests reveal of the quality of secondary and higher education in Boyacá, Colombia: A Geographically Weighted Regression approach*

**3:25 PM Author(s):** \*Yuan Huang - University of South Carolina  
Xiaoguang Wang - Central Michigan University  
David K Patton - Central Michigan University

Abstract Title: *Examining the Relationship between the Built Environment and Crashes in Detroit Region: a Geographically Weighted Regression Approach*

**3:45 PM Author(s):** \*Lingjun Kang - CSISS/GMU  
Liping Di - CSISS/GMU  
Meixia Deng - CSISS/GMU  
Yuanzheng Shao - CSISS/GMU  
Eugene Yu - CSISS/GMU  
Ranjay Shrestha - CSISS/GMU

Abstract Title: *Exploring Spatial Patterns Of and Local Factors to NDVI-Precipitation Correlation with Geographically Weighted Regression Model*

**4:05 PM Discussant:** [David Lopez-Carr](#) - UC Santa Barbara

#### Discussant(s):

[David Lopez-Carr](#) - UC Santa Barbara

**Session Description:** Geographically Weighted Regression (GWR) has emerged as a popular spatial statistical approach. This session convenes scholars from different disciplines applying a GWR approach to their research to examine diverse spatially distributed features in their data.

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