



## AAG Annual Meeting

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### Paper Session:

#### 1651 Geospatial Analysis of Disasters and Hazards

is scheduled on Tuesday, 4/21/2015, from 4:40 PM - 6:20 PM in Stetson A, Hyatt, West Tower, Purple Level

#### Sponsorship(s):

Spatial Analysis and Modeling Specialty Group  
Geographic Information Science and Systems Specialty Group  
Applied Geography Specialty Group

#### Organizer(s):

[Changjoo Kim](#) - University of Cincinnati

#### Chair(s):

[Changjoo Kim](#) - University of Cincinnati

#### Abstract(s):

**4:40 PM Author(s):** \*James L. Wilson - Northern Illinois University

Abstract Title: *Estimating Medically Fragile Population Exposures to Tropical Storm Surges*

**5:00 PM Author(s):** \*Helenmary M Hotz - University of Massachusetts Boston, School for the Environment  
Alan D Christian, PhD - University of Massachusetts, Biology Department

Abstract Title: *Using GIS and Remote Sensing to Analyze Lake Level Rise of Étang Saumâtre, Haiti*

**5:20 PM Author(s):** \*FNU Varun Ramachandran - Missouri University of Science and Technology

Suzanna Long - Missouri University of Science and Technology  
Tom Shoberg, PhD - United States Geological Survey  
Steven M Corns, PhD - Missouri University of Science and Technology  
Hector J Carlo, PhD - University of Puerto Rico Mayaguez

Abstract Title: *Identifying Interdependency in Critical Infrastructure Systems in Order to Model Restoration Strategies in the Aftermath of a Large-Scale Disaster*

**5:40 PM Author(s):** \*Joseph B. Harris - Louisiana State University  
Chris Gregg - East Tennessee State University  
T. Andrew Joyner - East Tennessee State University  
Ingrid Luffman - East Tennessee State University

Abstract Title: *Preparing a Small Town for a Hazardous Materials Incident: An Examination of Evacuation Routing Algorithms and Plume Models*

**6:00 PM Author(s):** \*Qian Ye - University of Tennessee  
Hyun Kim - University of Tennessee

Abstract Title: *Reducing hazards vulnerability of transportation network: A case study with the Amtrak rail system*

**Session Description:** The catastrophic consequences of disasters and hazards around the globe highlight the necessity of understanding a spatial perspective to disasters and hazards. We are interested in receiving research articles dealing with innovative examples of the use of GIS, RS, Geovisualization, or Spatial Statistics for disaster and hazard planning, mitigation, response, assessment, or management.

New Query