



## AAG Annual Meeting

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### Paper Session:

#### 4611 Crime Modeling and Mapping

is scheduled on Friday, 4/12/2013, from 4:40 PM - 6:20 PM in San Gabriel B, Westin, Lobby Level

#### Sponsorship(s):

Cartography Specialty Group  
Geographic Information Science and Systems Specialty Group  
Spatial Analysis and Modeling Specialty Group

#### Organizer(s):

[Michael Leitner](#) - Louisiana State University

#### Chair(s):

[Tao Cheng](#) - University College London

#### Abstract(s):

**4:40 PM Author(s):** \*Adam Michael Boessen - University of California - Irvine  
John R Hipp, Ph.D - University of California - Irvine

Abstract Title: *The Rhythm of Space and Time: Placing Violence in Urban Neighborhoods*

**5:00 PM Author(s):** \*Brian Mikelbank - Cleveland State University

Abstract Title: *Space-Time Patterns of Mortgage Fraud*

**5:20 PM Author(s):** \*Tao Cheng, Prof. - University College London  
Monsuru Adepeju - University College London

Abstract Title: *Prospective Analysis of Emerging Crime Patterns in Central London*

**5:40 PM Discussant:** [Michael Leitner](#) - Louisiana State University

#### Discussant(s):

[Michael Leitner](#) - Louisiana State University

**Session Description:** Spatial crime analysis started mostly by geographers in the early 1970's. Environmental criminology, which was developed in the early 1980's, gave spatial crime analysis its theoretical foundation. The concurrent rise of Geographic Information Systems (GIS) coupled with the development of spatial crime analysis software programs (e.g., CrimeStat) led to a powerful suite of spatial analysis and visualization tools that allowed to quickly analyzing large amounts of crime incident data. As a result spatial crime analysis became increasingly popular as a practical tool for law enforcement and as a research and teaching tool in geography, criminal justice and other related programs. Today many crime analysts are geographers. It is thus important to recognize, given the maturation of GIS and spatial statistics, that it is time to demonstrate the importance of geographic principles and theory that underpin those tools and the interpretation of the results.

To date, more and more law enforcement agencies hire geographers and crime analysts and criminal justice programs around the country respond to this demand by offering new courses/programs in this new subfield. Conferences and workshops to exchange

ideas and to further the education are being offered on a regular basis. User groups are being established and research is being promoted through new publication outlets and funding opportunities from different agencies such as the National Institute of Justice (NIJ) or the National Science Foundation (NSF).

Sessions organized at the 2013 AAG will further the exchange of ideas and will present new research, methods, and applications in the modeling and mapping of crime.

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