



AAG Annual Meeting

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Paper Session:

3441 Spatial Epidemiology III: Infectious and vector-borne diseases

is scheduled on Thursday, 4/23/2015, from 1:20 PM - 3:00 PM in New Orleans, Hyatt, West Tower, Gold Level

Sponsorship(s):

Health and Medical Geography Specialty Group
 Geographic Information Science and Systems Specialty Group
 Spatial Analysis and Modeling Specialty Group
 International Geospatial Health Research Network

Organizer(s):

[Eric M. Delmelle](#) - UNC-Charlotte
[Tijs Neutens](#) - Ghent University

Chair(s):

[Eric M. Delmelle](#) - UNC-Charlotte

Abstract(s):

1:20 PM Author(s): *Eric David Taber - Penn State
 Erica Smithwick, Dr. - Penn State

Abstract Title: *Influence of Protected Areas on Malaria Prevalence in Sub-Saharan Africa*

1:40 PM Author(s): *Michael Rienti Jr, MA - University at Buffalo

Abstract Title: *A Space-Time Analysis of the 2012 Texas West Nile Virus Outbreak*

2:00 PM Author(s): *Eric M. Delmelle - UNC-Charlotte
 Irene Casas - Louisiana Tech

Abstract Title: *Dynamics of Dengue Fever Outbreaks At Different Space-Time Granularities*

2:20 PM Author(s): *Min-Hau Lin - Institute of Health Policy and Management, National Taiwan University
 Tzai-Hung Wen - Department of Geography, National Taiwan University

Abstract Title: *Incorporating the human- Aedes Mosquitoes interactions into measuring the spatial risk of urban dengue fever*

2:40 PM Author(s): *Hyeyoung Kim - The Ohio State University
 Ningchuan Xiao - The Ohio State University
 Mark Moritz - The Ohio State University
 Rebecca Garabed - The Ohio State University

Abstract Title: *An agent-based model for assessing the role of Host Mobility in Foot-and-Mouth Disease Transmission*

Session Description: Sessions around the theme of spatial and spatiotemporal epidemiology. Focus is on the development of spatial and spatiotemporal methodologies

to answer fundamental epidemiological questions. Topics:

- Spatiotemporal modeling
- Geovisualization and geocomputation for big data in health research
- Point pattern analysis and disease movement analysis
- Use of geospatial techniques in health (GPS, GIS)
- Spatial strategies for health interventions
- Geographies of prevention
- Accessibility to medical care
- Transportation and health
- Modeling uncertainty in health

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