



## AAG Annual Meeting

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### Paper Session:

#### 3141 Spatial Epidemiology I: Accessibility

is scheduled on Thursday, 4/23/2015, from 8:00 AM - 9:40 AM in New Orleans, Hyatt, West Tower, Gold Level

#### Sponsorship(s):

Health and Medical Geography Specialty Group  
 Transportation Geography 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):

[Michael J. Widener](#) - University of Cincinnati

#### Abstract(s):

**8:00 AM Author(s):** \*Huairan Ye - University of Tennessee  
 Hyun Kim - University of Tennessee

Abstract Title: *Locating health care facilities using an alternative covering location problem*

**8:20 AM Author(s):** \*Koos Fransen - Ghent University  
 Tijs Neutens - Ghent University  
 Philippe De Maeyer - Ghent University  
 Greet Deruyter - Ghent University

Abstract Title: *A Dynamic Two-Step Floating Catchment Area Method for Measuring Spatial Accessibility of Day-Care Centers*

**8:40 AM Author(s):** \*Paul L Delamater, PhD - George Mason University

Abstract Title: *Floating Catchment Area (FCA) Metrics: Catching Potential Spatial Accessibility?*

**9:00 AM Author(s):** \*Hana Kim - Seoul National University

Abstract Title: *Geographies of Health Care in South Korea: Measuring Spatial Accessibility to Public Health Care Facilities in the Seoul Metropolitan Region*

**9:20 AM Author(s):** \*Xuan Kuai - Louisiana State University

Abstract Title: *Geographic disparities in healthy food accessibility in Baton Rouge, Louisiana*

**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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