



## AAG Annual Meeting

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### Paper Session:

#### 4673 Advanced Techniques for Remote Sensor Data Analysis in Urban Areas

is scheduled on Friday, 4/24/2015, from 5:20 PM - 7:00 PM in Lucerne 1, Swissôtel, Lucerne Level

#### Sponsorship(s):

Remote Sensing Specialty Group  
Spatial Analysis and Modeling Specialty Group  
Geographic Information Science and Systems Specialty Group

#### Organizer(s):

[Di Shi](#)  
[Xiaojun Yang](#) - Florida State University

#### Chair(s):

[Soe Win Myint](#) - Arizona State University

#### Abstract(s):

**5:20 PM Introduction:** [Xiaojun Yang](#) - Florida State University

**5:25 PM Author(s):** \*[Soe Win Myint](#) - School of Geographical Sciences and Urban Planning, Arizona State University  
[Tong Zhu](#) - School of Electrical, Computer and Energy Engineering, Arizona State University  
[Baojuan Zheng](#) - School of Geographical Sciences and Urban Planning, Arizona State University

Abstract Title: *A Novel Image Classification Algorithm Using Over-complete Wavelet Transforms*

**5:43 PM Author(s):** [Guangping Qie](#) - Southern Illinois University Carbondale  
\*[Guangxing Wang](#) - Southern Illinois University at Carbondale  
[Hua Sun](#) - Central South University of Forestry & Technology  
[Yifang Tan](#) - XianHu Botanic Garden of Shenzhen City  
[Yougui Peng](#) - South China Agricultural University  
[Minzi Wang](#) - Southern Illinois University Carbondale

Abstract Title: *Improvement of City Forest Carbon Mapping by Combining Spectral Unmixing Analysis and Regression Modeling*

**6:01 PM Author(s):** \*[Jay Egenhoff](#) - University of Montana  
[Bingqing Liang](#) - University of Northern Iowa

Abstract Title: *Developing a Shadow Correction Methodology Using a Very High Resolution Hyperspectral Imagery*

**6:19 PM Author(s):** \*[Qunshan Zhao](#) - Arizona State University  
[Soe W. Myint](#) - Arizona State University  
[Elizabeth A. Wentz](#) - Arizona State University

Abstract Title: *Rooftop Surface Temperature Analysis in Urban Residential Environment*

**6:37 PM Author(s):** \*[Jiabin Heng](#) - Clark University

Jie Tian - Clark University

Abstract Title: *EXPLORING THE SPATIAL RELATIONSHIPS BETWEEN NITROGEN DIOXIDE POLLUTION AND URBANIZATION IN CHINA*

**6:55 PM Discussant:** Ting Liu - Northeastern Illinois University

*Discussant(s):*

Ting Liu - Northeastern Illinois University

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**Session Description:** Computer-based digital analysis of remote sensor data has become a major pillar supporting a wide array of interdisciplinary research activities in the urban environment. This special paper session serves as a forum for researchers to communicate their current development in processing and interpreting remote sensor data for urban analysis. Topics may include but are not limited to:

- New techniques for processing very-high-spatial-resolution multispectral images and hyperspectral images;
- Improved pattern recognition algorithms for information extraction from medium-resolution images that have been the primary source of data in urban analysis;
- Advanced methods and paradigms for analyzing multi-temporal remote sensor images; and
- Innovative applications that are built upon the use of remote sensor data with very high spatial, spectral, or temporal resolution.

Abstract submission details are available in recent issues of the AAG newsletter and at the AAG 2015 website (<http://www.aag.org/cs/annualmeeting>). Please go through the online submission system, and then send us ([ds10f@my.fsu.edu](mailto:ds10f@my.fsu.edu)) an email containing: (1) Your name, presentation title, and abstract; and (2) The "Participant Number" assigned to you by the online registration system. The deadline for receiving all application materials from presenters is November 20, 2014

Please contact us with questions or for further details:

Dee Shi ([ds10f@my.fsu.edu](mailto:ds10f@my.fsu.edu)) and Xiaojun Yang ([xyang@fsu.edu](mailto:xyang@fsu.edu))  
Department of Geography, Florida State University, Tallahassee, Florida

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