

PRE-ICIS WORKSHOP

(rev. 4.0, 11-28-15)

LOCATIONAL ANALYTICS AND BIG DATA: FOUNDATIONS, EMERGING APPLICATIONS AND RESEARCH

*Omni Hotel
Fort Worth Ballroom 7
Fort Worth, Texas
Sunday, December 13, 2015, 8:30am – 2:45pm*

This workshop focuses on locational analytics, starting with fundamentals and emphasizing emerging technology topics including locational big data, 3-D modeling, space-time trend analysis, geo-enabled smart phones, LIDAR, visualization, geo-design, and applications. A keynote talk by an academic leader highlights the emerging, blue water areas of geo-spatial analytics. In the afternoon part of the workshop, an invited talk and demo emphasizes the teaching of spatial analytics. Next, Contributed papers will be presented on locational science, space-time diffusion visualization, spatial microsimulation, spatial decision-making, a maturity model for GIS in local government, spatial analytics in businesses and organizations, and the potential for disciplinary coupling of IS and GIS.

Sponsored by Special Interest Group in Geographic Information Systems.

ORGANIZERS AND PRESENTERS:

Brian Hilton, Claremont Graduate University
James Pick, University of Redlands
Namchul Shin, Pace University

KEYNOTE SPEAKER: Wayne Gearey, Global Location Intelligence Officer
Jones, Lang, LaSalle ([JLL](#))

SPECIAL INVITED SPEAKER: Murray Rice, Associate Professor, Department of
Geography, University of North Texas

WORKSHOP REFEREED PROCEEDINGS AVAILABLE AT: www.siggis.wikispaces.com

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ASSOCIATION FOR
INFORMATION SYSTEMS

FINAL PROGRAM OF PRE-ICIS WORKSHOP

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8:30-9am	<i>PRE-WORKSHOP COFFEE/TEA</i>	
9-9:10am	Introductions, Introduction to Workshop, Acknowledgments	James Pick
9:10-9:55am	Overview of Spatial Big Data and Analytics	Brian Hilton
9:55-10:15am	Applications and Examples of Spatial Big Data and Analytics	James Pick
10:15-10:25am	<i>Break</i>	
10:25-10:45am	Research Opportunities in Location, Analytics, Big Data and GIS for IS Researchers	Namchul Shin
10:45-11:10am	Breakout into Discussion Groups	
11:10-noon	<p style="text-align: center;">Keynote Talk.</p> <p style="text-align: center;">Dr. Wayne Gearey Global Location Intelligence Officer Global IT Jones, Lang, LaSalle (JLL)</p> <p style="text-align: center;">Topic: Achieving Corporate Global Location Intelligence</p> <p style="text-align: center;">Q&A/ Discussion</p>	
noon-12:45pm	Box Lunch and soft drinks in Workshop Room (included in workshop registration)	
12:45-1:10pm	Invited Talk and Hands-on Demo of Spatial Analytics for Teaching in a Business Location Course Using Business Analyst Online	
	<p style="text-align: center;">Dr. Murray Rice Associate Professor, Department of Geography University of North Texas</p>	

1:10-2:40pm	Contributed Research Papers Session	
1:10-1:25pm	Evaluating Local Government Usage of GIS: A New Maturity Model	Omer Alrwais, Thomas Horan, Brian Hilton, and Tamir Bechor, <i>Claremont Graduate University</i>
1:25-1:40pm	Desparately Seeking the IS in GIS	Peter Keenan, Gianluca Miscione, <i>University College Dublin</i>
1:40-1:55pm	<i>Break</i>	
1:55-2:10pm	Location Analytics: Space-Time Diffusion Visualization using Bayesian Inference	Christopher Franklin <i>University of Texas Dallas</i>
2:10-2:25pm	Growth and Migration of Benthic Habitats: A Spatial Microsimulation Approach	O. Samual-Ojo, Anaga Ojo, and Efosa C. Idemudia, <i>Claremont Graduate University</i>
2:25-2:40pm	A Spatial and Regresssion Analysis of Social Media in the United States Counties	James Pick, Avijit Sarkar, and Jessica Rosales, <i>University of Redlands</i>
2:40-2:55pm	Workshop Summary	