Paper Session:

5233 Spatial Optimization and Analysis II

is scheduled on Saturday, 4/12/2014, from 10:00 AM - 11:40 AM in Room 33, TCC, Fourth Floor

Sponsorship(s):
Spatial Analysis and Modeling Specialty Group
Geographic Information Science and Systems Specialty Group

Organizer(s):
Ran Wei - Arizona State University
Daoqin Tong - University of Arizona - Geography & Regional Development

Chair(s):
Daoqin Tong - University of Arizona - Geography & Regional Development

Abstract(s):

10:00 AM Author(s): *Qunshan Zhao - Arizona State University
Elizabeth A. Wentz - Arizona State University
Alan T. Murray - Arizona State University

Abstract Title: *Shade Optimization in a Desert Environment*

10:20 AM Author(s): *Huairen Ye - University of Tennessee
Hyun Kim, PhD - The University of Tennessee, Knoxville

Abstract Title: *Measuring Spatial Health Disparity in a GIS environment: A Case Study of Hillsborough County, FL*

10:40 AM Author(s): *Levi J Wolf - Arizona State University
Insu Hong - Arizona State University
Alan T Murray - Arizona State University

Abstract Title: *Complexity Bounds for Deriving a Shortest Euclidean Path*

11:00 AM Author(s): *Fangwu Wei - Oregon State University
Tony H. Grubesic - Oregon State University

Abstract Title: *Vulnerability and sustainability: An impact analysis of potential natural hazards on current ground transportation network in Oregon*

11:20 AM Author(s): *J.S. Onesimo Sandoval, Associate Professor and Director of Sociology - Saint Louis University

Abstract Title: *The Spatial Hierarchy of Social-Environmental Disparity in Saint Louis: An Applied Approached to Social-Environmental Synthesis using GIS*

Session Description: Spatial optimization and analysis involves a range of problems where spatial arrangement or organization of entities, resources or goods is essential. In these sessions, we welcome studies or applications addressing any relevant issues on spatial optimization and analysis. These studies include but not limited to:

1. Location analysis and modeling

2. Network design and analysis
3. Land use planning and resource management
4. Districting/regionalization problems
5. Transportation applications

New Query