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(58) 2013 AAG Annual Meeting, Los Angeles, California

Paper Session:

5138 Spatial Optimization and Analysis I

is scheduled on Saturday, 4/13/2013, from 8:00 AM - 9:40 AM in Laguna Parlor 3064, Westin, 30th Floor

Sponsorship(s):
Spatial Analysis and Modeling Specialty Group
Transportation Geography Specialty Group

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

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

Abstract(s):

8:00 AM Author(s): *Michael Kuby - Arizona State University
Ismail Capar - Texas A&M University
V. Jorge Leon - Texas A&M University

Abstract Title: *An Arc Cover-Path-Cover Formulation of the Flow-Refueling Location Model for Planning Alternative-Fuel Stations*

8:20 AM Author(s): *Tony Grubesic - Drexel University
Alan T Murray - Arizona State University
Loni Tabb - Drexel University

Abstract Title: *Evaluating Spatial Precision of Approaches for Irregularly Shaped Spatial Cluster Detection*

8:40 AM Author(s): *Hyun Kim - University of Tennessee, Knoxville
Megan Smirti Ryerson - University of Tennessee, Knoxville

Abstract Title: *Evolution of hub hierarchies of passenger airlines of U.S.*

9:00 AM Author(s): *Kamyoung Kim - Kyungpook National University
Hyun Kim - University of Tennessee at Knoxville
Yongwan Chun - University of Texas at Dallas

Abstract Title: *Location Optimization for Detecting p Functional Spatial Clusters*

9:20 AM Author(s): *Daoqin Tong - University of Arizona - Geography & Regional Development
Ting Lei -

Abstract Title: *An expected maximal covering location problem with site-dependent failure probabilities*

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

Location analysis and modeling
Network design and analysis
Land use planning and resource management
Districting problems
Transportation applications

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