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

Paper Session:

5150 Agent-Based & Cellular Automata Models for Geographical Systems 1: Methodological Advances

is scheduled on Saturday, 4/13/2013, from 8:00 AM - 9:40 AM in Angeleno, The LA Hotel, Level 2

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

Organizer(s):
Andrew Crooks - George Mason University
Amit Patel

Chair(s):
Amit Patel

Abstract(s):

8:00 AM Author(s): *Kirk Harland - University of Leeds
Mark Birkin - University of Leeds

Abstract Title: *Using Synthetically Generated Populations in Agent-Based Models*

8:20 AM Author(s): *David O'Sullivan - University of Auckland
George L W Perry - University of Auckland

Abstract Title: *Towards a 'Pattern Language' for Spatial Simulation Modelling*

8:40 AM Author(s): *James D.A. Millington, PhD - King's College London
David O'Sullivan, PhD - University of Auckland
George L.W. Perry, PhD - University of Auckland

Abstract Title: *Narrative explanation in agent-based modelling*

9:00 AM Author(s): *Christopher Bone - University of Oregon

Abstract Title: *A Spatiotemporal Analytical Framework for Agent-based Modeling*

9:20 AM Author(s): *Anthony Jjumba - Spatial Analysis and Modeling Laboratory, Department of Geography, Simon Fraser University
Suzana Dragicevic - Spatial Analysis and Modeling Laboratory Department of Geography, Simon Fraser University

Abstract Title: *Multi-dimensional Automata Model for the Simulation of Pollutant Diffusion*

Session Description: The use of Agent-based Modeling (ABM) and Cellular Automata (CA) models within geographical systems are starting to mature as methodologies to explore a wide range of geographical and more broadly social sciences problems facing society. The aim of this session(s) is to bring together researchers utilizing agent-based models, CA (and associated methodologies) to discuss topics relating to: theory, technical issues and applications domains of ABM and CA within geographical systems.

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