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

Paper Session:

5550 Agent-Based & Cellular Automata Models for Geographical Systems 4: Applications

is scheduled on Saturday, 4/13/2013, from 4:00 PM - 5:40 PM 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):
Kirk Harland - University of Leeds

Abstract(s):

4:00 PM Author(s): *Arnaud Banos - CNRS
Sonia Chardonnel - CNRS
Christophe Lang - Université de Franche-Comté
Nicolas Marilleau - IRD
Thomas Thevenin - Université de Bourgogne
MIRO Team -

Abstract Title: *Towards more sustainable cities: coupling actors and agents in a serious game*

4:20 PM Author(s): *Ed Manley - University College London
Tao Cheng - University College London

Abstract Title: *Incorporating Heterogeneous Spatial Cognition into Urban Road Transportation Simulation - What Improvement on Conventional Methods?*

4:40 PM Author(s): *Yong Yang - University of Michigan
Ana V Diez-Roux - University of Michigan
Amy Auchincloss - Drexel University
Daniel Rodriguez - University of North Carolina
Daniel Brown - University of Michigan
Rick Riolo - University of Michigan

Abstract Title: *The use of an agent-based model of utilitarian walking in adults to examine the impact of various interventions on population walking*

5:00 PM Author(s): *Andrew Crooks - George Mason University
Atesmachew Hailegiorgis - George Mason University

Abstract Title: *Modeling the Spread of Cholera within Refugee Camps: An Agent-based Modeling Approach*

5:20 PM Author(s): *Timothy Gulden - George Mason University
Joseph F Harrison - George Mason University

Abstract Title: *Modeling Cities and Displacement through an Agent-based Spatial*

Interaction Model

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.

New Query