Paper Session:

1260 Advances in geospatial emergency management

is scheduled on Tuesday, 4/21/2015, from 10:00 AM - 11:40 AM in Field, Hyatt, West Tower, Silver Level

Sponsorship(s):
Spatial Analysis and Modeling Specialty Group
Hazards, Risks, and Disasters Specialty Group
Geographic Information Science and Systems Specialty Group

Organizer(s):
Mark W. Horner - Florida State University
Matt Duckham - University of Melbourne

Chair(s):
Mark W. Horner - Florida State University

Abstract(s):

10:00 AM Author(s): *Billy Tusker Haworth, BSc, MAppSc - University of Sydney

Abstract Title: *Engaging Communities in Disaster Risk Reduction through Volunteered Geographic Information (VGI): a case study of bushfires (wildfires) in Tasmania, Australia.*

10:20 AM Author(s): *Kelly Sims - Oak Ridge National Laboratory

Abstract Title: *Integrating Social Media in the Development of a Special Event Population Dynamics Model*

10:40 AM Author(s): *Steve Linger - Los Alamos National Laboratory - Defense Systems & Analysis

Abstract Title: *Facilitating emergency response and planning through the integration of multi-scale models within a geospatial environment*

11:00 AM Author(s): *Sophia B. Liu, PhD - U.S. Geological Survey
Barbara S Poore, PhD - U.S. Geological Survey
Richard Snell - U.S. Geological Survey

Abstract Title: *Eyes on the Coast: Crowd-Tagging Behavior in the USGS iCoast Citizen Science Project*

11:20 AM Author(s): *Tracy-Ann N. Hyman - The University of the West Indies

Abstract Title: *A Spatially Explicit and Dynamic Approach to Flood Risk in Western Jamaica*

Session Description: A more populous and interconnected world with a warming climate is anticipated to lead to increasing incidence and severity of natural and anthropogenic disasters. Making smart use of available information about space and time is integral to improving success across the spectrum of emergency management activities, whether dealing with issues of preparedness, response, recovery, mitigation, rescue, or reconstruction.

These sessions are aimed at addressing the state-of-the-art in using spatial information and geographic information systems (GIS) to emergency management issues, broadly defined (e.g. disaster preparedness, assessing infrastructure vulnerability, evacuation and sheltering, etc.).

New Query