

S. Zlatanova, Delft University of Technology, Netherlands; R. Peters, Public safety & Health Region Kennemerla, Haarlem, Netherlands; A. Dilo, H. Scholten, University of Twente, Enschede, Netherlands (Eds)

Intelligent Systems for Crisis Management

Geo-information for Disaster Management (Gi4DM) 2012

Contents

Multi-agents Evacuation Simulation Data Model with Social Considerations for Disaster Management Context.- An A*-based search approach for navigation among moving obstacles.- A Two-level Path-finding Strategy for Indoor Navigation.- An Approach to Qualitative Emergency Management.- Smoke plume modelling in crisis management.- Simulation System of Tsunami Evacuation Behavior during an Earthquake around Osaka Station Area.- Interactive Simulation and Visualisation of Realistic Flooding Scenarios.- Identification of Earthquake Disaster Hot Spots with Crowd Sourced Data.- Remote sensing based post-disaster damage mapping with collaborative methods.- Automatic Determination of Optimal Regularization Parameter in Rational Polynomial Coefficients Derivation.- Granular Computing and Dempster-Shafer Integration in Seismic Vulnerability Assessment.- Managing Satellite Precipitation Data (PERSIANN) through Web GeoServices: A Case Study in North Vietnam.- Applying GIS in seismic hazard assessment and data integration for disaster management.- Methodology for landslide susceptibility and hazard mapping using GIS and SDI.- Transport network vulnerability assessment methodology, based on the cost-distance method and GIS integration.

Field of interest

Geographical Information Systems/Cartography

Target groups

Research

Product category

Monograph

Due December 2012

2013. XI, 399 p. 178 illus., 131 in color. (Lecture Notes in Geoinformation and Cartography) Hardcover

► *€ (D) 139,05 | € (A) 142,94 | sFr 173,00

► € 129,95 | £117.00

ISBN 978-3-642-33217-3



9 783642 332173

