Advances in Location-Based Services
8th International Symposium on Location-Based Services, Vienna 2011

This book gives a general picture of research-driven activities related to location and map-based services. The interdisciplinary character of the topic leads to a variety of contributions with backgrounds from academia to business and from computer science to geodesy. While cartography is aiming at efficient communication of spatial information, the development and availability of technologies like mobile networking, mobile devices or short-range sensors lead to interesting new possibilities of achieving this aim. By trying to make use of the available technologies, a variety of related disciplines looks specifically at user-centered and context-aware system development, especially in wayfinding and navigation systems.

Features
► Interdisciplinary Approach  ► Gives a general picture of research-driven activities related to location and map-based services  ► Successor of LSB1 and LSB2 it completes the series on TeleCartography

Contents
Visualization and Context Awareness. - Modelling and Computing. - Mobile Sensors. - General Aspects of LBS.

Fields of interests
Geographical Information Systems/Cartography; Earth Sciences, general

Target groups
Research

Product category
Monograph

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Terrigenous Mass Movements
Detection, Modelling, Early Warning and Mitigation Using Geoinformation Technology

Terrestrial mass movements (i.e. cliff collapses, soil creeps, mudflows, landslides etc.) are severe forms of natural disasters mostly occurring in mountainous terrain, which is subjected to specific geological, geomorphological and climatological conditions, as well as to human activities.

Features
► Recent developments and current issues in GITechnology and mass movements  ► Fundamental treatment of GITechnology including data modeling, topography, geology, geomorphology, remote sensing, artificial neural networks, binomial regression, fuzzy logic, spatial statistics and analysis  ► Written by experts in this field

Contents

Fields of interests
Geographical Information Systems/Cartography; Geophysics/Geodesy; Physical Geography

Target groups
Research

Product category
Monograph

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Encounters and Engagements between Economic and Cultural Geography


Fields of interests
Economic Geography; Human Geography

Target groups
Research

Product category
Contributed volume

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