1. Record Nr. UNINA9910299442903321

Titolo	Time-Sensitive Remote Sensing / / edited by Christopher D. Lippitt, Douglas A. Stow, Lloyd L. Coulter
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-2602-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (200 p.)
Disciplina	363.7063 363.73 551 910 910.285
Soggetti	Remote sensing Geography Natural disasters Environmental monitoring Pollution Remote Sensing/Photogrammetry Geography, general Natural Hazards Monitoring/Environmental Analysis Pollution, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Remote Sensing Theory and Time-Sensitive Information -- Time Sensitive Remote Sensing Systems for Post-Hazard Damage Assessment -- Repeat Station Imaging for Rapid Airborne Change Detection -- Rapid Fire Detection, Characterization and Reporting From VIIRS Data -- Application of Mobile Data Capture with Imagery Support -- The International Charter ‘Space and Major Disasters’ -- The Federal Ocean Spill Team for Emergency Response Remote Sensing, FOSTERRS: Enabling remote sensing technology for marine disaster response -- LANCE, NASA's Land Atmosphere Near real-time Capability for EOS --

A Comprehensive Analysis of Building Damage in the 2010 Haiti Earthquake using High-Resolution Imagery and Crowdsourcing -- Near-Real Time Delivery of MODIS-based Information on Forest Disturbances -- The Use Of NASA LANCE Imagery And Data For Near Real-Time Applications -- Use Of Satellite Image Derived Products For Early Warning And Monitoring Of The Impact Of Drought On Food Security In Africa.

Sommario/riassunto

This book documents the state of the art in the use of remote sensing to address time-sensitive information requirements. Specifically, it brings together a group of authors who are both researchers and practitioners, who work toward or are currently using remote sensing to address time-sensitive information requirements with the goal of advancing the effective use of remote sensing to supply time-sensitive information. The book addresses the theoretical implications of time-sensitivity on the remote sensing process, assessments or descriptions of methods for expediting the delivery and improving the quality of information derived from remote sensing, and describes and analyzes time-sensitive remote sensing applications, with an emphasis on lessons learned. This book is intended for remote sensing scientists, practitioners (e.g., emergency responders or administrators of emergency response agencies), and students, but will also be of use to those seeking to understand the potential of remote sensing to address a range of pressing issues, particularly natural and anthropogenic hazard response.