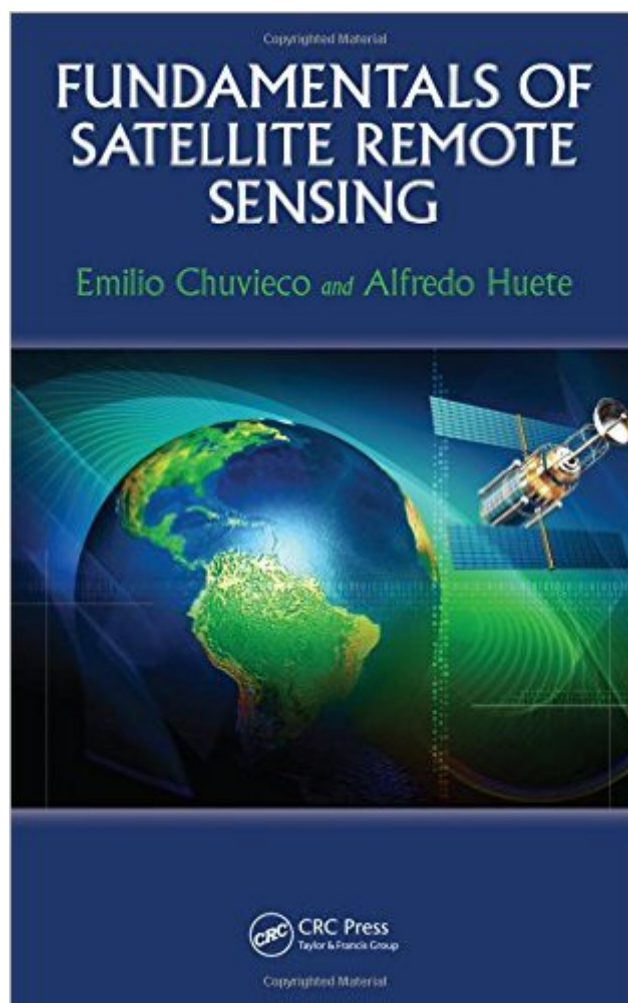


The book was found

# Fundamentals Of Satellite Remote Sensing



## Synopsis

An extensive review of remote sensing principles with an emphasis on environmental applications, *Fundamentals of Satellite Remote Sensing* discusses a wide range of topics, from physical principles to data acquisition systems and on to visual and digital interpretation techniques. The text focuses on the interpretation and analysis of remote sensing images and how they improve our understanding of environmental processes and their interaction with human activities. The authors discuss new interpretation approaches, including hyperspectral analysis, high-spatial resolution data, and radiative transfer models. The presentation includes an analysis of accuracy assessment methods and demonstrates how to integrate remote sensing results with geographic information systems. It also covers recent missions, such as Terra-Aqua, Envisat, Ikonos-Quickbird-Geoeye and SPOT-5, as well as LIDAR and interferometric radar. The discussion of visual criteria to extract interpretation from satellite images emphasizes differences and similarities with conventional photo-interpretation techniques. A chapter on accuracy assessment and the connection between remote sensing and geographic information systems helps readers extend the interpretation of satellite images to a more operational, applications-oriented framework.

## Book Information

Hardcover: 448 pages

Publisher: CRC Press; Har/Com edition (December 1, 2009)

Language: English

ISBN-10: 0415310849

ISBN-13: 978-0415310840

Product Dimensions: 6.3 x 1.1 x 9.3 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #935,909 in Books (See Top 100 in Books) #210 in Books > Science & Math > Earth Sciences > Geography > Information Systems #211 in Books > Computers & Technology > Graphics & Design > Computer Modelling > Remote Sensing & GIS #1206 in Books > Textbooks > Science & Mathematics > Environmental Studies

[Download to continue reading...](#)

*Fundamentals of Satellite Remote Sensing* Remote Sensing of the Environment An Earth Resource Perspective Remote Sensing of the Environment: An Earth Resource Perspective (2nd Edition)

Remote Sensing and Image Interpretation Remote Sensing and Image Interpretation, 7th Edition  
Introduction to Remote Sensing, Third Edition Principles of GNSS, Inertial, and Multisensor  
Integrated Navigation Systems, Second Edition (Artech House Remote Sensing Library)  
Introduction to Microwave Remote Sensing Global Environment Remote Sensing (Wave Summit  
Course) Remote Sensing Digital Image Analysis: An Introduction Remote Sensing, Third Edition:  
Models and Methods for Image Processing Object-Based Image Analysis: Spatial Concepts for  
Knowledge-Driven Remote Sensing Applications (Lecture Notes in Geoinformation and  
Cartography) Introduction to Remote Sensing, Fourth Edition Field Methods in Remote Sensing  
Digital Processing of Synthetic Aperture Radar Data: Algorithms and Implementation [With CDROM]  
(Artech House Remote Sensing Library) Spotlight Synthetic Aperture Radar: Signal Processing  
Algorithms (Artech House Remote Sensing Library) Radiative Transfer in Scattering and Absorbing  
Atmospheres: Standard Computational Procedures (Studies in geophysical optics and remote  
sensing) An Introduction to Contemporary Remote Sensing Digital Remote Sensing Datums and  
Map Projections: For Remote Sensing, GIS and Surveying, Second Edition

[Dmca](#)