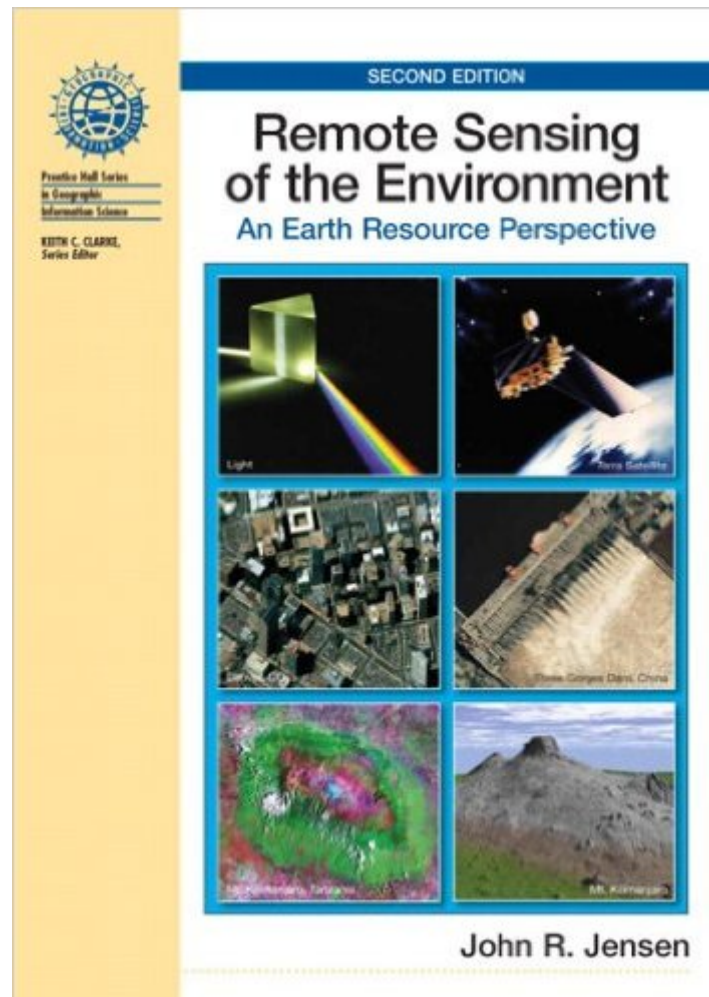


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Remote Sensing Of The Environment: An Earth Resource Perspective (2nd Edition)



Synopsis

This popular book introduces the fundamentals of remote sensing from an earth resource (versus engineering) perspective. The author emphasizes the use of remote sensing data for useful spatial biophysical or socio-economic information that can be used to make decisions. Provides two new chapters on LIDAR Remote Sensing (Ch. 10) and In situ Spectral Reflectance Measurement (Ch. 15). Offers a thorough review of the nature of electromagnetic radiation, examining how the reflected or emitted energy in the visible, near-infrared, middle-infrared, thermal infrared, and microwave portions of the spectrum can be collected by a variety of sensor systems and analyzed. Employs a visually stimulating, clear format: a large (8.5" x 11") format with 48 pages in full color facilitates image interpretation; hundreds of specially designed illustrations communicate principles in an easily understood manner. A useful reference for agriculture, wetland, and/or forestry professionals, along with geographers, urban planners, and transportation engineers.

Book Information

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Customer Reviews

This text found its way into my collection during my undergraduate career as required for a Geography course in remote sensing. I enjoyed it as an introduction to the topic but later found myself returning to it time and again in graduate school working on a remote sensing thesis. I keep on finding new reasons to open it up in my business, at Terra Prints. It's exhaustive while not exhausting. Worth buying. Roland Clark

This book covers broad area of remote sensing; nature, physics, photogrammetry, history, various types of sensors (multispectral, thermal, Microwave..), earth resource perspective(vegetation, water, urban landscape, soil&mineral...). So if you want to learn how remote sensing are employed in this world, I strongly recommend to buy this book. if you want to learn digital image processing, you should buy the sister book "Introductory Digital Image Processing: remote sensing perspective".All sections (especially vegetation) contains alot of information and easy to understand with nice figures and pictures.Only one fault of this book is this price...

This text book is extraordinarily detailed, and provides not only the concepts, but the theory and nuance for beginning in remote sensing. While studying this book, in detail, I have run into the following complaints, though:1) The glossary and index are so incomplete, they're desolate. Important and conceptual terms that are used are not in either - it makes using the book quite difficult.2) There is WAY too much minutia - the text is very informative, but I've found that the explanations of most things are excessively verbose.3) Remote sensing is a very visual field.... and this book doesn't utilize diagrams and images nearly as much as it could/should. I realize that generating diagrams is time-consuming, but it would help this book immensely.4) Chapter summaries and concept-based questions at the end of the chapters would probably help students a lot, too (perhaps even teachers).5) There's not nearly enough talk about which EM bands see what, and what they help with. That's the entire basis of remote sensing, and it isn't explored in the detail that it could be. So, while I recommend this text, because it is one-of-a-kind, I do so with the warning that it is obviously not a fine-tuned text yet.

Pretty expensive for what you get. Also, in this International Edition they do not include ANY color photos, making remote sensing pretty difficult, especially when the text tells you to "refer to color plate 2" and it's all in black and white. Sound remote sensing principles, just don't buy this. See if you can rent it instead? Get a used copy?

Oh, how this book drones on and on. I could write a 10 page book report, and cover all that this anvil of a textbook has to inform you about. I suppose it's a good source if you don't know how to identify objects from overhead, but beyond that, you will need something to keep you focused as you read through the pages. On the plus side, this book is extremely well illustrated, and there's plenty of interesting side notes about specific satellites.

I purchased this book while enrolled in Penn State's Geospatial Intelligence certificate program. I have enjoyed the contents and the book does a great job of covering a wide variety of Remote Sensing principles without getting too bogged down in the technical jargon. I would highly recommend reading this for a great overall perspective on Remote Sensing.

I read a good bit of this textbook for a class. It's now pretty dated and really needs an update. Also its very annoying that you pay so much for a book and you still have to flip to the middle to see color plates! I'll change my rating when/if the price comes down.

Everything came very smoothly and made for an easy transfer. Very satisfied with my service and the product. It came exactly as it said it would, and it was even shipped the same day. Very good service!

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