Introductory Digital Image Processing: A Remote Sensing Perspective (4th Edition) (Pearson Series in Geographic Information Science)

By John R. Jensen

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For junior/graduate-level courses in Remote Sensing in Geography, Geology, Forestry, and Biology.
Introductory Digital Image Processing: A Remote Sensing Perspective focuses on digital image processing of aircraft- and satellite-derived, remotely sensed data for Earth resource management applications. Extensively illustrated, it explains how to extract biophysical information from remote sensor data for almost all multidisciplinary land-based environmental projects. Part of the Pearson Series *Geographic Information Science.*

Now in full color, the **Fourth Edition** provides up-to-date information on analytical methods used to analyze digital remote sensing data. Each chapter contains a substantive reference list that can be used by students and scientists as a starting place for their digital image processing project or research. A new appendix provides sources of imagery and other geospatial information.

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- Sales Rank: #583639 in Books
- Published on: 2015-05-01
- Original language: English
- Number of items: 1
- Dimensions: 10.90" h x 1.30" w x 8.40" l, .0 pounds
- Binding: Hardcover
- 544 pages

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Editorial Review

About the Author

John R. Jensen received a BA in geography from California State University at Fullerton, an MS from Brigham Young University (BYU), and a PhD from the University of California at Los Angeles (UCLA). He is a Carolina Distinguished Professor Emeritus in the Department of Geography at the University of SouthCarolina. He is a certified photogrammetrist and a past president of the American Society for Photogrammetry & Remote Sensing (ASP&RS): The Geospatial Information Society. He has conducted more than 50 remote sensing-related projects sponsored by NASA, DOE, NOAA, and the Nature Conservancy and published more than 120 refereed journal articles. He mentored 34 PhD and 62 master's students. He received the SAIC/ASP&RS John E. Estes Memorial Teaching Award for education, mentoring, and training in remote sensing and GIS. He received the U.S. Geological Survey/National Aeronautics & Space Administration (NASA) William T. Pecora Award for his remote sensing research contributions. He received the Association of American Geographers (AAG) Lifetime Achievement Award for research and education in remote sensing and GIScience. He was the Editor-in-chief of the journal *GIScience & Remote Sensing* published by Taylor & Francis. He is co-author of *Introductory Geographic Information Systems* and author of *Remote Sensing of the Environment: An Earth Resource Perspective*, 2nd edition, also published by Pearson. He has been associated with eight National Research Council (NRC) remote sensing-related committees and subsequent National Academy Press publications. He became an Honorary Member of ASP&RS in 2013, the highest award bestowed by ASP&RS.

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