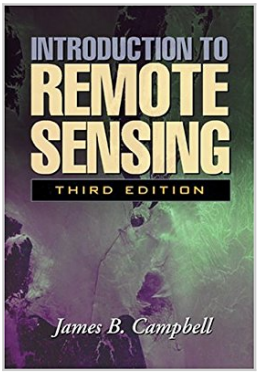

Introduction to Remote Sensing, Third Edition

By James B. Campbell PhD, James B. Campbell

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Now in its revised and updated third edition, this comprehensive introductory text presents a timely overview of the most widely used forms of remote sensing imagery and their applications in plant sciences, hydrology, earth sciences, and land-use analysis. The third edition features new coverage of lidar technology, radar interferometry, and the present generation of satellite sensors, as well as other topics of current significance. Integrating knowledge from the many fields that contribute to remote sensing, the text is richly illustrated with 28 color plates and more than 380 black-and-white images and figures.

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Editorial Review

Review

"*Introduction to Remote Sensing, Third Edition*, continues to be one of the most complete textbooks available on remote sensing. Campbell covers all relevant topics, including aerial photography and all of the non-film-based sensors, as well as photogrammetric, visual, and digital analysis procedures. There are also chapters on GIS, accuracy assessment, and field data collection. Extremely well written, the book has excellent and extensive illustrations and images, good references, and a logical organization. It is easily understood yet comprehensive. This text is suitable not only for undergraduates or graduates in the natural and social sciences, but also for those in engineering and related fields. It could be used in its entirety in an overview course or sections could be selected for more focused courses. This is an excellent addition to available remote sensing texts."--Barry N. Haack, Department of Geography, George Mason University, Fairfax, Virginia

"Now in a revised and updated third edition, *Introduction to Remote Sensing* is a rigorous and inviting text. Its outstanding features include instructive illustrations, color graphics, and review questions. The core knowledge of the field is covered with a complementary blend of theory, analysis, and applications. Augmenting the solid foundation laid out in previous editions, the third edition contains updated content on hyperspectral sensing, satellite platforms and sensors, and data sources. Several chapters on applications provide an excellent means to truly appreciate the breadth and utility of remote sensing. This book is an excellent, comprehensive resource for those teaching, learning, or trying to keep up with changes in the field."--Thomas R. Allen, Department of Political Science and Geography, Old Dominion University

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About the Author

updated 1/02 for 3rd edition
James B. Campbell, PhD, is Professor and Head of the Department of Geography at Virginia Tech, where he teaches courses in remote sensing, quantitative methods, and physical geography. He has worked closely with students and faculty in related fields, such as forestry, geology, agronomy, environmental sciences, and planning. The author of numerous technical articles and several books, Dr. Campbell received the Outstanding Service Award of the American Society for Photogrammetry and Remote Sensing in 1994 and its Fellow Award in 1996. In 1997 he received the Outstanding Service Medal awarded by the Remote Sensing Specialty Group of the Association of American Geographers. Dr. Campbell's research has been sponsored by numerous academic, governmental, and private organizations, including NASA, the National Science Foundation, and United States Geological Survey.

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