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The book is organized for quick access to topics of particular interest, beginning with coverage of spectral characteristics that focuses on the theory of rock, mineral, soil, and vegetation spectra, as well as planetary geology. The second section on data analysis is devoted to procedures used in information extraction and techniques used in the visual display of data, particularly in the integration of various geospatial data. The third section addresses applications of remote sensing in areas such as mineral and hydrocarbon exploration, stratigraphic mapping, engineering geology, and environmental studies. The final chapters offer a discussion of sensors relevant to the earth sciences-including radar, visible, infrared, and geophysical sensors-along with case study examples. Complete with color figures, helpful illustrations, and thorough references-including Internet sources -this volume is a major resource for researchers and practitioners working in the earth and environmental sciences.

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Review
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About the Author
ANDREW N. RENCZ, PhD, is a research scientist at the Geological Survey of Canada and an adjunct professor at Carleton University, where he has taught remote sensing for over ten years. He is a project leader on several Canadian and international geoscience studies in remote sensing, and he has produced over 100 publications related to the earth sciences.

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