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Soggetti	Remote sensing Environmental monitoring Signal processing Image processing Speech processing systems Geotechnical engineering Space sciences Remote Sensing/Photogrammetry Monitoring/Environmental Analysis Signal, Image and Speech Processing Geotechnical Engineering & Applied Earth Sciences Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Teledetecció Seguiment ambiental Processament d'imatges Llibres electrònics
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Nota di contenuto	Data Acquisition -- Data Processing Tools -- Terrestrial Case Study Applications of Remote Sensing -- Atmospheric Applications -- Oceanographic Applications -- Planetary Applications -- International Laws, Charters, and Policies -- Future Trends in Remote Sensing.
Sommario/riassunto	This textbook is one of the first to explain the fundamentals and

applications of remote sensing at both undergraduate and graduate levels. Topics include definitions and a brief history of payloads and platforms, data acquisition and specifications, image processing techniques, data integration and spatial modeling, and a range of applications covering terrestrial, atmospheric, oceanographic and planetary disciplines. The policy and law issues of remote sensing and the future trends on the horizon are also covered. Remote sensing is an exciting, dynamic technology that is transforming the Earth sciences – terrestrial, atmospheric, and marine – as well as the practices of agriculture, disaster response, engineering, natural resources, providing evidence in legal cases and documented humanitarian crises, and many other fields. Increasingly, understanding of these techniques will be central to a number of disciplines, particularly as the technology advances. p>.
