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| Titolo | Recent remote sensing sensor applications : satellites and unmanned aerial vehicles (UAVs) // edited by Maged Marghany |
| Pubbl/distr/stampa | London, England : , : IntechOpen, , 2022 |
| Descrizione fisica | 1 online resource (202 pages) |
| Disciplina | 681.2 |
| Soggetti | Detectors - Design and construction Engineering instruments |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | 1. Introductory Chapter: Automatic Detection of Ice Covers in Airborne Radar Data Using Genetic Algorithm -- 2. Recent Advancement of Synthetic Aperture Radar (SAR) Systems and Their Applications to Crop Growth Monitoring -- 3. Utilization of Remote Sensing Technology for Carbon Offset Identification in Malaysian Forests -- 4. Optical Remote Sensing of Planetary Space Environment -- 5. Image Enhancement Methods for Remote Sensing: A Survey -- 6. Feature-Oriented Principal Component Selection (FPCS) for Delineation of the Geological Units Using the Integration of SWIR and TIR ASTER Data -- 7. Trans_Proc: A Processor to Implement the Linear Transformations on the Image and Signal Processing and Its Future Scope -- 8. Application of UAV Remote Sensing in Monitoring Banana Fusarium Wilt -- 9. Satellite Control System: Part II: Control Modes, Power, Interface, and Testing. |
| Sommario/riassunto | This book provides a comprehensive overview of remote sensing and its various applications. In remote sensing applications, various sensors that begin as both active and passive sensors are used. Active remote sensing transmits electromagnetic radiation that is both emitted and reflected, in contrast to passive remote sensing, which merely measures electromagnetic radiation that is reflected from the target. This book includes nine chapters that examine remote sensing for detecting ice, tracking and monitoring deforestation, identifying crop regions infected with disease, mineral and geological mapping, and much more. |

