



Introduction to Remote Sensing

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GRIN Verlag. Paperback. Condition: New. 20 pages. Dimensions: 10.0in. x 7.0in. x 0.1in. Internship Report from the year 2011 in the subject Engineering - General, Basics, grade: -, Bangladesh Space Research and Remote Sensing Organization, language: English, abstract: Remote sensing is the acquisition of information about an object or phenomenon, without making physical contact with the object. It primarily concerned with deriving information about the earths surface using an elevated platform. History of RS is not so old. It started from manual aerial photo capturing and interpretation and now running with modern satellite image capturing. A Remote sensing system comprises all the available components (both hard and soft wares), the online server, their interactions and interrelations in doing a particular job like image processing from satellite data. RSS comprises Platforms, Sensor, Computer system, Server, Institutional setups, Energy source and finally Image interpretation. Energy interactions with the atmosphere dictate the spectral regions through which only we can do the remote sensing which are known as spectral windows. The total incident energy will interact with earths surface materials in three ways. These are: Absorption, Transmission, and Reflection. Radiometric and Geometric characteristics of remotely sensed images comprise Radiant energy, flux, intensity, Irradiance, emittance, Radiance,...



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