

# **Remote Sensing and Urban Analysis (GISDATA 9)**

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### Reviews

*This is actually the best ebook we have read till now. Indeed, it can be enjoy, nevertheless an interesting and amazing literature. You will not feel monotony at whenever you want of the time (that's what catalogs are for regarding should you question me). (Jamar Stracke)* 

## **REMOTE SENSING AND URBAN ANALYSIS (GISDATA 9)**



CRC/CBS Publishers & Didtributors, 2000. Hardcover. Book Condition: New. One of the key geographical developments over the last two centuries has been that of urbanisation. In recent years this has exploded globally, particularly in developing countries. It is essential for governments, planners and researchers in geography and allied fields to understand this process and the main way of being able to do this is to accurately map these changes. The main method of this mapping is Remote Sensing. This up-to-date analysis of the area looks at a wide range of methodologies currently being used to produce and analyse remotely sensed data of urban areas. The authors examine the various techniques used to extract information from digital, multispectral images of urban areas. Donnay and Barnsley then go on to look at the identification of urban forms, the delineation of agglomerations and the development of urban morphology, considering the analysis of integrated data sets and surface models and going on to look at the estimation of human population levels. Authors ` Preface; 1. Urban Remote Sensing: State of the Art and Issues 2. Improving Spatial Resolution of Images by Means of Sensor Fusion. A General Solution: The ARSIS Method 3. Enhancement to per Pixel Image Classification Techniques 4. Image Segmentation Methodology in the Urban Environment 5. Inferring Urban Land Use and Structure Using Syntactic Pattern Recognition 6. Urban Pattern Characterisation Through Geostatistical Analysis of Satellite Images 7. Remote Sensing Data Used for Urban Agglomeration Delimitation 8. Measuring and Modelling Urban Morphology 9. Recognizing Settlement Structure Using Mathematical Morphology and Image Texture Measures 10. Modelling Geographical Distribution in Urban Areas 11. A Method for the Geographical Analysis of the Population of the Fast-growing Cities in the Third World 12. Conclusions Printed Pages: 304.

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