Innovations In Remote Sensing And Photogrammetry: Lecture Notes In Computer Science

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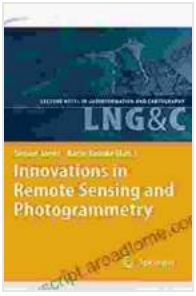

Innovations in Remote Sensing and Photogrammetry (Lecture Notes in Geoinformation and Cartography)

by Charles Kingsley

4.3 out of 5

Language	: English
File size	: 15519 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 755 pages

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Description:

This book constitutes the refereed proceedings of the 1st International Conference on Innovations in Remote Sensing and Photogrammetry (INRSP 2020). The conference focusses on the intersection of remote sensing and photogrammetry for environmental monitoring and mapping. It covers themes such as image processing, spatial data analysis, soft computing, GIS, and applications of remote sensing and photogrammetry. The book is organized in two main parts: (i) Remote Sensing (ii) Photogrammetry. The first part covers the following broad areas: 1. Land cover and land use mapping using remote sensing data. 2. Remote sensing for agriculture and vegetation monitoring. 3. Remote sensing for soil mapping and monitoring. 4. Remote sensing for coastal and ocean monitoring. 5. Remote sensing for mineral exploration and mining. 6. Remote sensing for geomorphology and landform analysis. 7. Remote sensing for natural hazards mapping and risk assessment. 8. Remote sensing for hydrology and water resource management. 9. Remote sensing for atmospheric studies. The second part covers the following broad areas: 1. Photogrammetry for topographic mapping. 2. Photogrammetry for orthoimage and surface model production. 3. Photogrammetry for 3D object reconstruction. 4. Photogrammetry for archaeological and cultural heritage applications. 5. Photogrammetry for urban and rural planning. 6. Photogrammetry for transportation infrastructure mapping and monitoring. 7. Photogrammetry for disaster assessment and management. 8. Photogrammetry for geomorphology and landform analysis. 9. Photogrammetry for natural hazards mapping and risk assessment. 10.

Photogrammetry for hydrology and water resource management. 11. Photogrammetry for remote sensing data integration. The book is intended for undergraduate and graduate students, researchers, and professionals in the fields of remote sensing and photogrammetry.

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- 20. Photogrammetry for Remote Sensing Data Integration

Reviews:

"This book is a valuable addition to the literature on remote sensing and photogrammetry. It provides a comprehensive overview of the latest developments in these fields, and it is written in a clear and accessible style. The book is well-organized and well-illustrated, and it includes a wealth of references to the latest research. I highly recommend this book to anyone who is interested in remote sensing and photogrammetry." - Professor Dr. John F. Mustard, Brown University

"This book is a timely and authoritative overview of the state-of-the-art in remote sensing and photogrammetry. It is a valuable resource for students, researchers, and professionals in these fields." - Professor Dr. Michael A. Wulder, University of British Columbia

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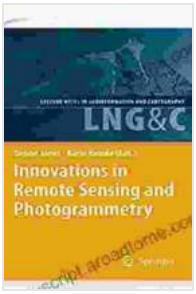

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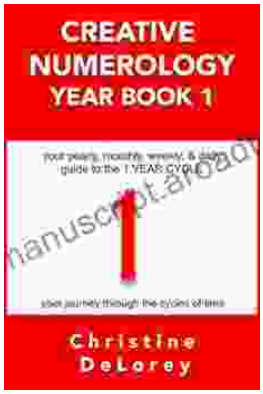

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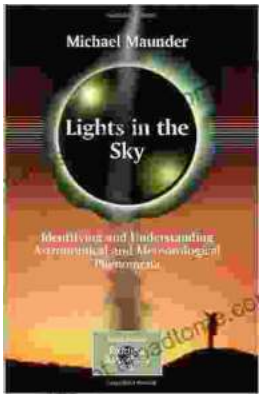

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