Urban Remote Sensing: Monitoring, Synthesis and Modeling in the Urban Environment

Xiaojun Yang (Editor)

March 2011 $109.99

Hardcover ISBN: 978-0-470-74958-6
April 2011 $137.25

April 2011 Available on Wiley Online Library

DESCRIPTION

Urban Remote Sensing is designed for upper level undergraduates, graduates, researchers and practitioners, and has a clear focus on the development of remote sensing technology for monitoring, synthesis and modeling in the urban environment. It covers four major areas: the use of high-resolution satellite imagery or alternative sources of image data (such as high-resolution SAR and LIDAR) for urban feature extraction; the development of improved image processing algorithms and techniques for deriving accurate and consistent information on urban attributes from remote sensor data; the development of analytical techniques and methods for deriving indicators of socioeconomic and environmental conditions that prevail within urban landscape; and the development of remote sensing and spatial analytical techniques for urban growth simulation and predictive modeling.

ABOUT THE AUTHOR

Xiaojun Yang has authored or co-authored more than 70 publications including two edited volumes on urban remote sensing. He was a guest editor for ISPRS Journal of Photogrammetry and Remote Sensing, Photogrammetrical Engineering and Remote Sensing, International Journal of Remote Sensing, and Computer, Environment and Urban Systems. Yang has been involved in organizing urban remote sensing sessions at the annual meetings of the Association of American Geographers (AAG) since 2001. This series of events has become a major urban remote sensing forum in USA. Yang currently serves as Chair of Commission on Mapping for Satellite Imagery, International Cartographic Association (ICA).
For additional product details, please visit https://www.wiley.com/en-us