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Titolo	Big Data for Remote Sensing: Visualization, Analysis and Interpretation : Digital Earth and Smart Earth / / edited by Nilanjan Dey, Chintan Bhatt, Amira S. Ashour
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Edizione	[1st ed. 2019.]
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Disciplina	910.285
Soggetti	Geographic information systems Environmental sciences Optical data processing Computer science - Mathematics Geographical Information Systems/Cartography Environmental Science and Engineering Computer Imaging, Vision, Pattern Recognition and Graphics Computational Mathematics and Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	(It will be properly included - PDF attached) Big data approach for managing the information from genomics, proteomics, and wireless sensing in e-Health Aerial and Satellite imagery and big data:
	blending old technologies with new trends Structure and Dynamics of Many-Particle Systems: Big Data Sets and Data Analysis Earth Science [Big] Data Analytics Retrieval of Urban Surface Temperature using Remote Sensing Satellite Imagery.

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visualization of remote sensing images. It offers flexible and sophisticated solutions for removing uncertainty from the satellite data. It introduces real time big data analytics to derive intelligence systems in enterprise earth science applications. Furthermore, the book integrates statistical concepts with computer-based geographic information systems (GIS). It focuses on image processing techniques for observing data together with uncertainty information raised by spectral, spatial, and positional accuracy of GPS data. The book addresses several advanced improvement models to guide the engineers in developing different remote sensing visualization and analysis schemes. Highlights on the advanced improvement models of the supervised/unsupervised classification algorithms, support vector machines, artificial neural networks, fuzzy logic, decision-making algorithms, and Time Series Model and Forecasting are addressed. This book guides engineers, designers, and researchers to exploit the intrinsic design remote sensing systems. The book gathers remarkable material from an international experts' panel to guide the readers during the development of earth big data analytics and their challenges.