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	Descrizione fisica	1 online resource (770 pages) : illustrations (some colour)
	Disciplina	621.36/78
	Soggetti	Remote sensing Geographic information systems Image processing Earth (Planet) Surface Remote sensing
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	Livello bibliografico	Monografia
	Note generali	Previously published as: Essential image processing and GIS for remote sensing, 2009.
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	Nota di contenuto	Digital image and display -- Point operations (contrast enhancement) -- Algebraic operations (multi-image point operations) -- Filtering and neighbourhood processing -- RGB-IHS transformation -- Image fusion techniques -- Principal component analysis (PCA) -- Image classification -- Image geometric operations -- Introduction to interferometric synthetic aperture radar (InSAR) technique -- Subpixel technology and its applications -- Geographical information systems -- Data models and structures -- Defining a coordinate space -- Operations -- Extracting information from point data : geostatistics -- Representing and exploiting surfaces -- Decision support and uncertainty -- Complex problems and multi-criterion evaluation -- Image processing and GIS operation strategy -- Thematic teaching case studies in SE Spain -- Research case studies -- Industrial case studies -- Concluding remarks.