1. Record Nr. UNINA9910823511003321

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Titolo	Spectral-spatial classififcation of hyperspectral remote sensing images / / Jon Atli Benediktsson, Pedram Ghamisi
Pubbl/distr/stampa	Boston : , : Artech House, , 2015 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2015]
ISBN	1-60807-813-2
Descrizione fisica	1 online resource (277 pages) : illustrations
Collana	Artech House Remote Sensing Library
Disciplina	621.36/78
Soggetti	Remote sensing Multispectral imaging Image processing - Digital techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This comprehensive new resource brings you up to date on recent developments in the classification of hyperspectral images using both spectral and spatial information, including advanced statistical approaches and methods. The inclusion of spatial information to traditional approaches for hyperspectral classification has been one of the most active and relevant innovative lines of research in remote sensing during recent years.nn This book gives you insight into several important challenges when performing hyperspectral image classification related to the imbalance between high dimensionality and limited availability of training samples, or the presence of mixed pixels in the data. This book also shows you how to integrate spatial and spectral information in order to take advantage of the benefits that both sources of information provide.