

1. Record Nr.	UNINA9910813756803321
Titolo	Machine interpretation of patterns : image analysis and data mining // editors, Rajat K. De, Deba Prasad Mandal, Ashish Ghosh ; series editor, Sankar K. Pal
Pubbl/distr/stampa	Singapore ; ; Hackensack, N.J., : World Scientific Pub. Co., 2010
ISBN	1-283-14432-8 9786613144324 981-4299-19-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (316 p.)
Collana	Statistical science and interdisciplinary research ; ; v. 11 Platinum jubilee series
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Disciplina	006.4 006.42
Soggetti	Pattern recognition systems Machine learning Data mining
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Foreword; Preface; Contents; 1. Combining Information with a Bayesian Multi-class Multi-kernel Pattern Recognition Machine T. Damoulas and M. A. Girolami; 2. Image Quality Assessment Based on Weighted Perceptual Features D. V. Rao and L. P. Reddy; 3. Quasi-reversible Two-dimension Fractional Differentiation for Image Entropy Reduction A. Nakib, A. Nait-Ali, H. Oulhadj and P. Siarry; 4. Parallel Genetic Algorithm Based Clustering for Object and Background Classification P. Kanungo, P. K. Nanda and A. Ghosh 5. Bipolar Fuzzy Spatial Information: First Operations in the Mathematical Morphology Setting I. Bloch 6. Approaches to Intelligent Information Retrieval G. Pasi; 7. Retrieval of On-line Signatures H. N. Prakash and D. S. Guru; 8. A Two Stage Recognition Scheme for Offline Handwritten Devanagari Words B. Shaw and S. K. Parui; 9. Fall Detection

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### Sommario/riassunto

This review volume provides from both theoretical and application points of views, recent developments and state-of-the-art reviews in various areas of pattern recognition, image processing, machine learning, soft computing, data mining and web intelligence. "Machine Interpretation of Patterns: Image Analysis and Data Mining" is an essential and invaluable resource for professionals and advanced graduates in computer science, mathematics and life sciences. It can also be considered as an integrated volume to researchers interested in doing interdisciplinary research where computer science is

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