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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. Bloch6. 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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