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	Soggetti	Image processing - Digital techniques Computer vision Signal processing Artificial intelligence Computer Imaging, Vision, Pattern Recognition and Graphics Signal, Speech and Image Processing Artificial Intelligence
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	Nota di contenuto	Introduction of Image processing -- Image Enhancement -- Image segmentation and image colorization -- Image classification, fusion, and reconstruction -- Feature Extraction -- Pattern recognition and computer vision applications in Agriculture, GIS, Surveillance and Robotics.
	Sommario/riassunto	The book explains the important concepts and principles of image processing to implement the algorithms and techniques to discover new problems and applications. It contains numerous fundamental and advanced image processing algorithms and pattern recognition techniques to illustrate the framework. It presents essential background theory, shape methods, texture about new methods, and techniques for image processing and pattern recognition. It maintains a good balance between a mathematical background and practical implementation. This book also contains the comparison table and

images that are used to show the results of enhanced techniques. This book consists of novel concepts and hybrid methods for providing effective solutions for society. It also includes a detailed explanation of algorithms in various programming languages like MATLAB, Python, etc. The security features of image processing like image watermarking and image encryption etc. are also discussed in this book. This book will be useful for those who are working in the field of image processing, pattern recognition, and security for digital images. This book targets researchers, academicians, industry, and professionals from R&D organizations, and students, healthcare professionals working in the field of medical imaging, telemedicine, cybersecurity, data scientist, artificial intelligence, image processing, digital hospital, intelligent medicine.