

1. Record Nr.	UNINA9910299875603321
Titolo	Advances in Soft Computing and Machine Learning in Image Processing [[electronic resource] /] / edited by Aboul Ella Hassanien, Diego Alberto Oliva
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-63754-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XII, 718 p. 309 illus., 195 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-949X ; ; 730
Disciplina	006.32
Soggetti	Computational intelligence Artificial intelligence Signal processing Image processing Speech processing systems Computational Intelligence Artificial Intelligence Signal, Image and Speech Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Color Spaces Advantages and Disadvantages in Image Color Clustering Segmentation -- Multi-objective Whale Optimization Algorithm for Multi-level Thresholding Segmentation -- Evaluating Swarm Optimization Algorithms for Segmentation of Liver Images -- Thermal Image Segmentation Using Evolutionary Computation Techniques -- News Videos Segmentation Using Dominant Colors Representation.
Sommario/riassunto	This book is a collection of the latest applications of methods from soft computing and machine learning in image processing. It explores different areas ranging from image segmentation to the object recognition using complex approaches, and includes the theory of the methodologies used to provide an overview of the application of these tools in image processing. The material has been compiled from a scientific perspective, and the book is primarily intended for undergraduate and postgraduate science, engineering, and

computational mathematics students. It can also be used for courses on artificial intelligence, advanced image processing, and computational intelligence, and is a valuable resource for researchers in the evolutionary computation, artificial intelligence and image processing communities.
