1.	Record Nr.	UNINA9910483384903321
	Titolo	Recent Trends in Image and Signal Processing in Computer Vision / / edited by Shruti Jain, Sudip Paul
	Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
	ISBN	981-15-2740-7
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (293 pages)
	Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 1124
	Disciplina	006.37
	Soggetti	Computational intelligence
		Signal processing
		Image processing
		Speech processing systems
		Machine learning
		User interfaces (Computer systems)
		Knowledge representation (Information theory)
		Computational Intelligence
		Signal, Image and Speech Processing
		Machine Learning
		User Interfaces and Human Computer Interaction
		Knowledge based Systems
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Microcontroller Based Detection of Diabetes and Ketosis State Using Breath Sensors -- An Effective Graph-Cut Segmentation Approach for License Plate Detection -- An Automatic Thermal and Visible Image Registration Using a Calibration Rig -- Simple Cycle Gas Turbine Dynamic Analysis Using Fuzzy Gain Scheduled PID Controller -- Value Addition on the Uses of Artificial Intelligence in the Development of Nanosized Biomaterials -- A Study of Tele-Cardiology Based Methods for Detection of Cardiovascular Diseases -- An Update on Medical Data Steganography and Encryption -- Texture Ratio Vector Technique for the Classification of Breast Lesions using SVM -- Error Control Coding for Software Defined Radios Using Soft Computing -- Detection of Hate

Speech and Offensive Language in Twitter Data Using LSTM Model -- Enhanced Time-Frequency Representation Based on Variational Mode Decomposition and Wigner-Ville Distribution.

Sommario/riassunto	This book highlights recent advances and emerging technologies that utilize computational intelligence in signal processing, computing, imaging science, artificial intelligence, and their applications. It covers all branches of artificial intelligence and machine learning that are based on computation at some level, e.g. artificial neural networks, evolutionary algorithms, fuzzy systems, and automatic medical identification systems. Exploring recent trends in research and applications, the book offers a valuable resource for professors, researchers, and engineers alike.