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Collana	Lecture Notes in Computational Vision and Biomechanics, , 2212-9413 ; ; 28
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Soggetti	Signal processing Biomedical engineering Image processing - Digital techniques Computer vision Biotechnology Signal, Speech and Image Processing Biomedical Engineering and Bioengineering Computer Imaging, Vision, Pattern Recognition and Graphics
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Genetic Algorithm Based Hybrid Attribute Selection Using Customized Fitness Function -- A types of Multi-Granular nanotopology and its applications -- Curvelet based ECG steganography for protection of data -- Detection of Menisci Tears in Sports Injured and Pathological Knee Joint using Image Processing Techniques -- Assisting Visually Challenged Person in the Library Environment -- Diabetic Retinopathy Detection in Fundus Image Using Cross Sectional Profiles and ANN -- Image Based Group Happiness Intensity Analysis -- A Portable Back Propagation Network Classifier For Lung Cancer Associated Volatile Organic Compound Detection.
Sommario/riassunto	This is the proceedings of the International Conference On Computational Vision and Bio Inspired Computing (ICCVBIC 2017) held at RVS Technical Campus, September 21-22, 2017. It includes papers on state of the art innovations in bio-inspired computing applications,

where new algorithms and results are produced and described. Additionally, this volume addresses evolutionary computation paradigms, artificial neural networks and biocomputing. It focuses mainly on research based on visual interference on the basis of biological images. Computation of data sources also plays a major role in routine day-to-day life for the purposes such as video transmission, wireless applications, fingerprint recognition and processing, big data intelligence, automation, human centric recognition systems. With the advantage of processing bio-inspired computations, a variety of computational paradigms can be processed. Finally, this book also treats the formation of neural networks by enabling local connectivity within it with the aid of vision sensing elements. The work also provides potential directions for future research. .