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	Nota di contenuto	Exploring the Possibilities to Characterize the Soft Tissue Using Acoustic Emission Waveforms -- The Prolonged Effect on Respiratory Sinus Arrhythmia Response of Individual with Internet Gaming Disorder via Breathing Exercise -- Automatic Liver and Spleen Segmentation with CT Images Using Multi-Channel U-net Deep Learning Approach -- A New Numerical Simulation Process for Footwear Slip Resistance Analysis -- Point-of-Care Testing System of Uric Acid for the Prevention from Urolithiasis Recurrence -- Using Biplanar X-ray Images to Reconstruct the Spine Structure by the Convolution Neural Network -- A Real Time Fall Detection System Using Tri-Axial Accelerometer and Clinometer Based on Smart Phones -- Cyber-physical Secure VLC applications --

	Combining Multi-classifier with CNN in Detection and Classification of Breast Calcification -- Quantification of Systolic Time Intervals Using Continuous Wavelet Transform of Electrocardiogram and Phonocardiogram Signals -- Handling Missing Data in CGM records.
Sommario/riassunto	This book gathers the proceedings of the IV International Conference on Biomedical and Health Informatics (ICBHI 2019), held on 17-20 April, 2019, in Taipei, Taiwan. Contributions span a range of topics, including medical imaging, biosignal processing, biodata management and analytics, public and personalized health systems, mobile health applications and many more. The IV conference edition gave a special emphasis to cybersecurity issues and cutting-edge medical devices, as it is reflected in this book, which provides academics and professionals with extensive knowledge on and a timely snapshot of cutting-edge research and developments in the field of biomedical and health informatics.