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Autore	Wu Yunfeng
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Soggetti	Biomedical engineering Medical rehabilitation Signal processing Image processing Speech processing systems Pattern perception Biomedical Engineering and Bioengineering Rehabilitation Medicine Signal, Image and Speech Processing Pattern Recognition
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Signal Acquisition and Preprocessing -- Signal Analysis -- Feature Computing and Signal Classifications -- Summary and Research Directions.
Sommario/riassunto	This book presents the cutting-edge technologies of knee joint vibroarthrographic signal analysis for the screening and detection of knee joint injuries. It describes a number of effective computer-aided methods for analysis of the nonlinear and nonstationary biomedical signals generated by complex physiological mechanics. This book also

introduces several popular machine learning and pattern recognition algorithms for biomedical signal classifications. The book is well-suited for all researchers looking to better understand knee joint biomechanics and the advanced technology for vibration arthrometry. Dr. Yunfeng Wu is an Associate Professor at the School of Information Science and Technology, Xiamen University, Xiamen, Fujian, China.

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