

1. Record Nr.	UNINA9910456675103321
Autore	Martins Joao C (Joao Carlos)
Titolo	Bioelectronic vision [[electronic resource] ] : retina models, evaluation metrics, and system design // Joao C. Martins, Leonel A. Sousa
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2009
ISBN	1-282-44108-6 9786612441080 981-279-431-X
Descrizione fisica	1 online resource (271 p.)
Collana	Series on bioengineering & biomedical engineering ; ; 3
Altri autori (Persone)	Sousa Leonel A (Leonel Augusto)
Disciplina	611.84
Soggetti	Artificial vision Biomedical engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 233-240) and index.
Nota di contenuto	Preface; Acknowledgments; Contents; List of Figures; List of Tables; List of Acronyms; 1. Introduction to Bioelectronic Vision; 2. The Human Visual System; 3. Characterization of the Neural Response; 4. Retina Models; 5. Neural Activity Metrics and Models Assessment; 6. Design and Implementation of Bioelectronic Vision Systems; Bibliography; Index
Sommario/riassunto	This book provides a sound mathematical and technical perspective in functional and structural retina models, presents evaluation metrics to assess those models, and provides insights about the models hardware implementation.