

1. Record Nr.	UNINA9910138275903321
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Titolo	Biomedical engineering // edited by Carlos Alexandre Barros de Mello
Pubbl/distr/stampa	IntechOpen, 2009 Croatia : , : Intech, , 2011
ISBN	953-51-5859-7
Descrizione fisica	1 online resource (400 pages) : illustrations
Disciplina	617.7
Soggetti	Tonometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Biomedical Engineering can be seen as a mix of Medicine, Engineering and Science. In fact, this is a natural connection, as the most complicated engineering masterpiece is the human body. And it is exactly to help our "body machine" that Biomedical Engineering has its niche. This book brings the state-of-the-art of some of the most important current research related to Biomedical Engineering. I am very honored to be editing such a valuable book, which has contributions of a selected group of researchers describing the best of their work. Through its 36 chapters, the reader will have access to works related to ECG, image processing, sensors, artificial intelligence, and several other exciting fields.