

1. Record Nr.	UNINA9910410650403321
Autore	Varsavsky Andrea
Titolo	Epileptic seizures and the EEG : measurement, models, detection and prediction / / Andrea Varsavsky, Iven Mareels, Mark Cook
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2011
ISBN	1-000-21892-9 0-429-13192-5 1-4398-1204-7
Descrizione fisica	1 online resource (364 p.)
Altri autori (Persone)	MareelsIven <1959-> CookMark <1960->
Disciplina	616.85307547
Soggetti	Epilepsy - Diagnosis Electroencephalography 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.
Nota di contenuto	EEG generation and measurement -- Signal processing in EEG analysis -- Classifying the EEG -- Seizure detection -- Modeling for epilepsy -- On the predictability of seizures.
Sommario/riassunto	Analysis of medical data using engineering tools is a rapidly growing area, both in research and in industry, yet few texts exist that address the problem from an interdisciplinary perspective. Epileptic Seizures and the EEG: Measurement, Models, Detection and Prediction brings together biology and engineering practices and identifies the aspects of the field that are most important to the analysis of epilepsy. Analysis of EEG recordsThe book begins by summarizing the physiology and the fundamental ideas behind the measurement, analysi