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Titolo	Asian business
Pubbl/distr/stampa	[Hong Kong], : [Far East Trade Press]
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Descrizione fisica	1 online resource
Disciplina	650/.095
Soggetti	83.99 economics: other Commerce Wirtschaft Zeitschrift Wirtschaftszeitschrift Hongkong Periodicals. Asia Commerce Periodicals Asia Asien
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Publisher: TPL Corp. (HK) Ltd., 1999-Aug. 2001; Times Pub. (HK) Ltd., Sept. 2001-

2. Record Nr.	UNINA9910383822203321
Autore	Türe Kerim
Titolo	Wireless Power Transfer and Data Communication for Intracranial Neural Recording Applications // by Kerim Türe, Catherine Dehollain, Franco Maloberti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-40826-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XII, 112 p. 86 illus., 49 illus. in color.)
Collana	Analog Circuits and Signal Processing, , 1872-082X
Disciplina	617.95
Soggetti	Electronic circuits Computer engineering Internet of things Embedded computer systems Electronics Microelectronics Circuits and Systems Cyber-physical systems, IoT Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Implantable Monitoring System for Epilepsy -- Chapter 3. Powering of the Implanted Monitoring System -- Chapter 4. Wireless Data Communication -- Chapter 5. Experimental Validations -- Chapter 6. Conclusion.
Sommario/riassunto	This book describes new circuits and systems for implantable wireless neural monitoring systems and explains the design of a batteryless, remotely-powered implantable micro-system, designed for continuous neural monitoring. Following new trends in implantable biomedical applications, the authors demonstrate a system which is capable of efficient remote powering and reliable data communication. Novel architecture and design methodologies are used for low power and small area wireless communication link. Additionally, hermetically sealed packaging and in-vivo validation of the implantable device is

presented. Provides up-to-date summaries of remote powering and wireless communication methods; Describes methods for improving the efficiency of remote powering and wireless communication; Includes a new topology for an energy and area efficiency ultrawideband transmitter; Provides in-vivo validation of the proposed circuits.
