

1. Record Nr.	UNINA9910671657303321
Autore	Nunez-Cortes Contreras Pilar
Titolo	Labour law script and lessons : materials adapted to the European Higher Education Area // Pilar Nunez-Cortes Contreras
Pubbl/distr/stampa	Madrid : , : Dykinson, S.L. , [2016] ©2016
ISBN	84-9085-717-2
Descrizione fisica	1 online resource (93 pages)
Disciplina	344.4601
Soggetti	Labor laws and legislation - Spain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910377823703321
Titolo	Interfacing Bioelectronics and Biomedical Sensing // edited by Hung Cao, Todd Coleman, Tzung K. Hsiai, Ali Khademhosseini
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-34467-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 234 p. 69 illus., 60 illus. in color.)
Disciplina	571.45
Soggetti	Biomedical engineering Biomedical materials Electronic circuits Nanotechnology Biomedical Engineering and Bioengineering Biomaterials Circuits and Systems Nanotechnology and Microengineering Biomedical Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Challenges in the Design of Large-Scale, High-Density, Wireless Stimulation and Recording Interface -- Chapter 2. Advances in Bioresorbable Electronics and Uses in Biomedical Sensing -- Chapter 3. Inorganic Dissolvable Bioelectronics -- Chapter 4. Wirelessly Powered Medical Implants Via Radio Frequency Electromagnetic Radiation -- Chapter 5. Electrocardiogram: Acquisition and Analysis for Biological Investigations and Health Monitoring -- Chapter 6. Flexible Intravascular EIS Sensors for Detecting Metabolically Active Plaque -- Chapter 7. Epidermal EIT Electrode Arrays for Detecting Fatty Liver Infiltration -- Chapter 8. High-Frequency Ultrasonic Transducers to Uncover Cardiac Dynamics -- Chapter 9. Minimally Invasive Technologies for Biosensing.
Sommario/riassunto	This book addresses the fundamental challenges underlying bioelectronics and tissue interface for clinical investigation. Appropriate

for biomedical engineers and researchers, the authors cover topics ranging from retinal implants to restore vision, implantable circuits for neural implants, and intravascular electrochemical impedance to detect unstable plaques. In addition to these chapters, the authors also document the approaches and issues of multi-scale physiological assessment and monitoring in both humans and animal models for health monitoring and biological investigations; novel biomaterials such as conductive and biodegradable polymers to be used in biomedical devices; and the optimization of wireless power transfer via inductive coupling for batteryless and wireless implantable medical devices. In addition to engineers and researchers, this book is also an ideal supplementary or reference book for a number of courses in biomedical engineering programs, such as bioinstrumentation, MEMS/BioMEMS, bioelectronics and sensors, and more. Analyzes and discusses the electrode-tissue interfaces for optimization of biomedical devices. Introduces novel biomaterials to be used in next-generation biomedical devices. Discusses high-frequency transducers for biomedical applications.

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