

1. Record Nr.	UNISA996395784803316
Autore	Cleaver Robert <1561 or 2-ca. 1625.>
Titolo	A declaration of the Christian sabbath [[electronic resource]] : Wherein the sanctifying of the Lords-day, is proued to be agreeable to the commandement of God, and to the Gospell of Iesus Christ. The second edition. Whereunto is added a briefe appendix, touching the limits of the Christian sabbath the Lords-day: that it beginneth, and endeth after midnight, ... By Robert Cleaver
Pubbl/distr/stampa	At London, : Printed by Aug. M[athewes] for Rob. Milbourne, and are to be sold at his shop at the Grayhound in Pauls Churchyard, 1630
Descrizione fisica	[22], 209, [1] p
Soggetti	Sunday
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Printer's name from STC. Another issue, with H6 cancelled and replaced with I-K ¹² , L and with cancel title page, of the 1625 edition. Running title reads: The morality of the lavv. Reproduction of the original in the Bodleian Library.
Sommario/riassunto	eebo-0014

2. Record Nr.	UNINA9910588590403321
Autore	Koul Shibhan K.
Titolo	Sub-Terahertz Sensing Technology for Biomedical Applications // by Shibhan Kishen Koul, Priyansha Kaurav
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-19-3140-2
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (289 pages)
Collana	Biological and Medical Physics, Biomedical Engineering, , 2197-5647
Disciplina	610.285
Soggetti	Physics Biomedical engineering Materials - Analysis Imaging systems Telecommunication Cancer - Imaging Biophysics Applied and Technical Physics Biomedical Engineering and Bioengineering Imaging Techniques Microwaves, RF Engineering and Optical Communications Cancer Imaging Bioanalysis and Bioimaging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Terahertz Spectrum in Biomedical Engineering -- Chapter 2. Electronic Sub-Terahertz VNA Measurement Techniques -- Chapter 3. Biological Tissue Interaction with Sub-Terahertz Spectrum -- Chapter 4. Non-invasive Sub-Terahertz Blood Glucose Measurement -- Chapter 5. Breast Tumor Margin Assessment using Sub-THz -- Chapter 6. Sub-THz and THz waves for Skin Diagnosis and Therapy -- Chapter 7. Machine Learning and Biomedical Sub-THz/THz Technology -- Chapter 8. Automation in Sub-THz/THz Imaging Systems -- Index.
Sommario/riassunto	This book offers the readers an opportunity to acquire the concepts of artificial intelligence (AI) enabled sub-THz systems for novel

applications in the biomedical field. The readers will also be inspired to contextualize these applications for solving real life problems such as non-invasive glucose monitoring systems, cancer detection and dental imaging. The introductory section of this book focuses on existing technologies for radio frequency and infrared sensing in biomedical applications, and their limited use in sensing applications, as well as the advantages of using THz technology in this context. This is followed by a detailed comparative analysis of THz electronics technology and other conventional electro optic THz setups highlighting the superior efficiency, affordability and portability of electronics-based THz systems. The book also discusses electronic sub-THz measurement systems for different biomedical applications. The chapters elucidate two major applications where sub-THz provides an edge over existing state of the art techniques used for non-invasive measurement of blood glucose levels and intraoperative assessment of tumor margins. There is a detailed articulation of an application of leveraging machine learning for measurement systems for non-invasive glucose concentration measurement. This helps the reader relate to the output in a more user-friendly format and understand the possible use cases in a more lucid manner. The book is intended to help the reader learn how to build tissue phantoms and characterize them at sub-THz frequencies in order to test the measurement systems. Towards the end of the book, a brief introduction to system automation for biomedical imaging is provided as well for quick analysis of the data. The book will empower the reader to understand and appreciate the immense possibilities of using electronic THz systems in the biomedical field, creating gateways for fueling further research in this area.
