1. Record Nr. UNISA996577835703316

Titolo	FMCAD 2009 : proceedings of 9th International Conference 2009 Formal Methods in Computer-Aided Design : 15-18 November 2009, Austin, Texas, USA / / technically sponsored by, IEEE Council on Electronic Design Automation ; in cooperation with ACM SIGDA
Pubbl/distr/stampa	Piscataway, New Jersey : , : Institute of Electrical and Electronics Engineers, , 2009
ISBN	1-5090-6978-X
Descrizione fisica	1 online resource (115 pages)
Disciplina	621
Soggetti	Integrated circuits - Verification Digital integrated circuits - Computer-aided design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr. UNINA9910337648303321

Autore	Jamalipour Abbas
Titolo	Smartphone Instrumentations for Public Health Safety / / by Abbas Jamalipour, Md Arafat Hossain
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-02095-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XIV, 98 p. 57 illus.)
Collana	Wireless Networks, , 2366-1186
Disciplina	384.5 621.382
Soggetti	Wireless communication systems Mobile communication systems Microwaves Optical engineering Public health Biomedical engineering Electrical engineering Wireless and Mobile Communication Microwaves, RF and Optical Engineering Public Health Biomedical Engineering/Biotechnology Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Introduction -- 2 Smartphone intensity fluorimeters -- 3 Temperature tunable smartphone intensity fluorimeter -- 4 Smartphone spectrometers -- 5 Optical fiber smartphone spectrometers.
Sommario/riassunto	A significant and convenient approach to detection and analysis of biological, environmental and agricultural items is the harnessing of features in widely available smartphones to create field-deployable scientific instruments, allowing measurements to be made onsite and in real-time. This book will cover a number of self-contained

smartphone instruments with the particular focus on spectroscopic-based measurements. Measurement and analysis on precision of such low-cost instrumentations are provided to compare with more expensive commercial equipment. This book also discusses some limitations, possible recommendations and scopes for further instrumentations using smartphones and other smart devices. Particularly, the opportunity to integrate the devices into the global Internet-of-Things (IoT) platform will be discussed. Researchers and instrumentation designers in optical and photonic sensing, smart and IoT-based sensing, biological and environmental analysts, agricultural, and food quality researchers (and public health authorities) will find this book useful as reference. Students in science and engineering disciplines for teaching and educational purposes will also find this book useful as a secondary textbook.