1. Record Nr. UNINA9910786243203321

Titolo	Next generation mobile broadcasting / / edited by David Gomez-Barquero
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , 2013
ISBN	0-429-06754-2 1-4398-9869-3
Descrizione fisica	1 online resource (793 p.)
Classificazione	TEC061000
Altri autori (Persone)	Gomez-BarqueroDavid
Disciplina	621.388/5
Soggetti	Mobile television Mobile computing Multimedia communications
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	Front Cover; Contents; List of Institutions; List of Figures; Editor; Contributors; Chapter 1 - Next-Generation Mobile Multimedia Broadcasting; Chapter 2 - An Overview of the ISDB-T One-Seg Broadcasting, ISDB-TSB and ISDB-Tmm; Chapter 3 - Overview of the South Korean Advanced T-DMB Mobile Broadcasting System; Chapter 4 - An Overview of the North American ATSC M/H Mobile Broadcasting System and Its Next-Generation ATSC 3.0; Chapter 5 - Overview of the Chinese Digital Terrestrial Multimedia Broadcasting System; Chapter 6 - DVB-T2 for Mobile and Mobile DVB-T2 (T2-Lite) Chapter 7 - An Overview of the Next-Generation Mobile Digital Video Broadcasting Standard DVB-NGHChapter 8 - An Overview of the Cellular Broadcasting Technology eMBMS in LTE; Chapter 9 - Universal DVB-3GPP Broadcast Layer: An Enabler for New Business in Mobile Broadcasting Landscape; Chapter 10 - Overview of the HEVC Video Coding Standard; Chapter 11 - Bit-Interleaved Coded Modulation in Next-Generation Mobile Broadcast Standard DVB-NGH; Chapter 12 - Time Interleaving in DVB-NGH; Chapter 13 - Time-Frequency Slicing for DVB-NGH Chapter 14 - DVB-NGH Logical Frame Structure and Bundling DVB-T2 Future Extension FramesChapter 15 - Overview of the Physical Layer Signaling in DVB-NGH; Chapter 16 - Overview of the System and Upper

	Layers of DVB-NGH; Chapter 17 - Overhead Reduction Methods in DVB-NGH; Chapter 18 - Local Service Insertion in DVB-NGH Single-Frequency Networks; Chapter 19 - Overview of the Multiple-Input Multiple-Output Terrestrial Profile of DVB-NGH; Chapter 20 - Multiple-Input Single-Output Antenna Schemes for DVB-NGH; Chapter 21 - Enhanced MIMO Spatial Multiplexing with Phase Hopping for DVB-NGH Chapter 22 - An Overview of the Hybrid Terrestrial-Satellite Profile of DVB-NGHChapter 23 - Single-Carrier OFDM for the Satellite Component of DVB-NGH; Chapter 24 - Hybrid Satellite-Terrestrial MIMO for Mobile Digital Broadcasting; Back Cover
Sommario/riassunto	Edited by a member of the DVB-NGH standardization meeting, this book covers the newest finalized standards. The first section contains overview papers, including commercial requirements and limitations of DVB-T2. It covers the first version of the standard, very aligned to T2, called T2+M, and a second version with the new technical features of NGH. The second part of the book is devoted to the new technical solutions adopted in DVB-NGH compared to DVB-T2. It also includes discussions between 3GPP and DVB to have a common standard--

2.

Record Nr.	UNINA9911006725003321
Autore	Riccio Michele
Titolo	Defects of Solid Semiconductor Structures
Pubbl/distr/stampa	Zurich : , : Trans Tech Publications, Limited, , 2024 ©2024
ISBN	9783036416359 3036416358
Edizione	[1st ed.]
Descrizione fisica	1 online resource (179 pages)
Collana	Defect and Diffusion Forum, , 1662-9507 ; ; Volume 434
Altri autori (Persone)	IraceAndrea BreglioGiovanni
Soggetti	Defects Silicon carbide
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Intro -- Defects of Solid Semiconductor Structures -- Preface -- Table of Contents -- Evaluation of Basal Plane Dislocation Behavior near Epilayer and Substrate Interface -- Body Diode Reliability of 4H-SiC MOSFETs as a Function of Epitaxial Process Parameter -- Accuracy of EVC Method for the PiN Diode Pattern on SiC Epi-Wafer -- Study on Quantification of Correlation between Current Density and UV Irradiation Intensity, Leading to Bar Shaped 1SSF Expansion -- Early Detection of Bar-Shaped 1SSF before Expansion by PL Imaging -- Analysis of Forward Bias Degradation Reduction in 4H-SiC PiN Diodes on Bonded Substrates -- Investigation of Dislocation Behaviors in 4H-SiC Substrate during Post-Growth Thermal Treatment -- The Role of Defects on SiC Device Performance and Ways to Mitigate them -- Emission of Trapped Electrons from the 4H-SiC/SiO2-Interface via Photon-Irradiance at Cryogenic Temperatures -- SiC MOSFET Gate Oxide Quality Improvement Method in Furnace Thermal Oxidation with Lower Pressure Control -- Investigating Dislocation Arrays Induced by Seed Scratches during PVT 4H-SiC Crystal Growth Using Synchrotron X-Ray Topography -- Crystal Originated Defect Monitoring and Reduction in Production Grade SmartSiC™ Engineered Substrates -- Analysis of Lattice Damage in 4H-SiC Epiwafers Implanted with High Energy Al Ions at Elevated Temperatures -- Near-Interface Defect Decomposition during NO Annealing Analyzed by Molecular Dynamics Simulations -- Differences between Polar-Face and Non-Polar Face 4H-SiC/SiO2 Interfaces Revealed by Magnetic Resonance Spectroscopy -- Investigation of BPD Faulting under Extreme Carrier Injection in Room vs High Temperature Implanted 3.3kV SiC MOSFETs -- Epitaxial Defectivity Characterization Combining Surface Voltage and Photoluminescence Mapping on 200mm 4H-SiC Wafers. Buffer Layer Dependence of Defectivity in 200mm 4H-SiC Homoepitaxy -- A Study of Process Interruptions during Pre- and Post-Buffer Layer Epitaxial Growth for Defect Reduction in 4H SiC -- Practical Improvement of Noncontact Production Monitoring of Doping in SiC Wafers with Extended Epilayer Defects -- Analysis of Defect Structures during the Early-Stages of PVT Growth of 4H-SiC Crystals -- Development of 3-Channel Inspection Analysis Technique for Defects of SiC Epitaxial Wafers Using Optical Inspection, Photoluminescence and X-Ray Topography -- High-Volume SiC Epitaxial Layer Manufacturing-Maintaining High Materials Quality of Lab Results in Production -- Non-Destructive Quantification of In-Plane Depth Distribution of Sub-Surface Damage on 4H-SiC Wafers Using Laser Light Scattering -- Macro Step Bunching/Debunching Engineering on 4° off 4H-SiC (0001) to Control the BPD-TED Conversion Ratio by Dynamic AGE-Ing® -- Charge Carrier Capture by Prominent Defect Centers in 4H-SiC -- Keyword Index -- Author Index.
Sommario/riassunto	Special topic volume with invited peer-reviewed papers only.

3.	Record Nr.	UNINA9910508432303321
	Autore	Boumerdassi Selma
	Titolo	Smart and Sustainable Agriculture : First International Conference, SSA 2021, Virtual Event, June 21-22, 2021, Proceedings / / edited by Selma Boumerdassi, Mounir Ghogho, Éric Renault
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
	ISBN	3-030-88259-4
	Edizione	[1st ed. 2021.]
	Descrizione fisica	1 online resource (196 pages)
	Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1470
	Disciplina	338.1
	Soggetti	Artificial intelligence Computer engineering Computer networks Computer systems Computers, Special purpose Education - Data processing Social sciences - Data processing Artificial Intelligence Computer Engineering and Networks Computer System Implementation Special Purpose and Application-Based Systems Computers and Education Computer Application in Social and Behavioral Sciences
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Fuzzy Logic Based Pasture Assessment Using Weed and Bare Patch Detection -- Ensuring smart agriculture system communication condentiality using a new Network Steganography method -- Deploying Deep Neural Networks on Edge Devices for Grape Segmentation -- Abnormal behavior detection in Farming stream data -- eWeightSmart - a smart approach to beef production management -- Gaia-AgStream: An Explainable AI Platform for Mining Complex Data

	Streams in Agriculture -- Comparison of Machine Learning and Deep Learning Methods for Grape Cluster Segmentation -- Smart & Sustainable Agriculture - Machine Learning behind this (R)evolution -- A Methodology for Early Detection of Plant Diseases using Real Time Object Detection Algorithm -- Mathematical Modelling of Irrigation System Using WSN -- Development of Soil Nitrogen Estimation System in Oil Palm Land with Sentinel-1 Image Analysis Approach -- New Monitoring framework intelligent irrigation system.
Sommario/riassunto	This book constitutes the refereed proceedings of the First International Conference on Smart and Sustainable Agriculture, SSA 2021, held as a virtual event in June 2021. The 12 papers presented were thoroughly reviewed and selected from the 25 qualified submissions. The papers provide discussion on new trends in communication and networking, Internet of Things, data processing for smart agriculture, renewable-energy based devices, low-cost solutions for wide-area exploitations and developing countries, smart agriculture and urban farming, smart irrigation, application to small-size andlarge-size exploitations, application of ancestral farming to smart agriculture, waste management for agriculture 2.0, and census of regional ancestral farming. .