



د. حسين عبدالقادر

أستاذ - عميد الدراسات العليا
Electrical and Computer Engineering.
كلية الهندسة والعمارة
جامعة نزوى، سلطنة عمان

هاتف: (+968)25446274

محول: 274

البريد الإلكتروني: h.alabdulqader@unizwa.edu.om

موقع المكتب: 5D-26.

فاكس: (+968)25446245

يعمل في الجامعة: منذ 2008

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المؤهلات الأكاديمية

Ph. D. Electronics, INPG /Grenoble/France , 1982

M. Sc. Electronics, INPG /Grenoble/France , 1979

B. Sc. Electronics and Communications, Mosul University, Iraq, 1975

أنشطة التدريس

ELECTRONICS I, ELECTRONICS FUNDAMENTALS RELATED TO ELECTRONICS DEVICES , DIODE TRANSISTORS AND INTEGRATED CIRCUITS. PRACTICAL APPLICATION ABOUT THE REGULATED DC POWER SUPPLY AND THE AMPLIFIER APPLICATIONS, MANY SEMESTERS

ELECTRONICS II, CONTINUATION OF ELECTRONICS I , IT MANAGE WITH AMPLIFIER FREQUENCY RESPONSE AND APPLICATIONS OF POWER AMPLIFIERS . TYPES AND ANALYSIS OF FEEDBACK SYSTEMS ARE ALSO CONSIDERED , MANY SEMESTERS

DIGITAL ELECTRONICS, SWITCHING CHARACTERISTICS OF THE ELECTRONICS DEVICES , DIGITAL APPLICATIONS OF SOME INTEGRATED CIRCUITS , ANALOG TO DIGITAL AND DIGITAL TO ANALOG CONVERSION SYSTEMS AND APPLICATIONS . MEMORY STRUCTURE AND ORGANIZATIONS ARE ALSO CONSIDERED, MANY SEMESTERS

Electronics and Microelectronics

Solar Energy Systems

المنشورات -

مقال:

1. "COMMUNICATION-COMPUTER-CONTROL (3C) SYSTEM FOR PROMOTING DEMAND SIDE MANAGEMENT", International Journal of Science & Engineering Development Research , Volume 3 , Issue 4 , April 2018 ,pp 21-28

2. "Load Forecasting for Power system Planning and Operation using Artificial Neural Networks at Al Batinah Region " Journal of Engineering Science & Technology (JESTEC) School of Engineering, Taylor's Volume 7, Issue 4, Page 426 - 574

3. "BJT Fabrication using Laser Assisted Spin-On-Doping Technique", Journal Of Electron Devices, France, Vol.6, 2008, pp. 197-202

4. "A simple approach for Characterizing the Pattern of an Array Antenna` , Engineering and Technology Journal Vol.2 No.2, Published by i- manager ,India 2006

5. "Nonvolatile Memory Structures Using Silicon Monoxide Layer", Brunie Darussalam` ` 2003 , Journal of Technology and Commerce, Vol.3, No.1

6. "Characterization of In-doped CdTe thin film " ,Mu` tah Journal Vol.11 No.5, p.207-218 , " 1996 Mu` tah University -Jordan

7. "Electrical and optical characteristics of MIOS and MIMOS structures " , Mu` tah Journal 1994 Vol.9 ,No.3 , ,p. 271-284 ,Mu` tah University - Jordan

8. "Charge trapping in MIOS memory structures under positive and negative biasing" 1994 .8 International Journal of Electronics ,Vol.76 ,No.2 , p. 246-255

9. "Thin film CdS diodes and their space charge injection behavior " , Journal of Engineering and Technology Vol.11 No.4, University of Technology, Iraq 1992

10. "Information storage capability of thin film devices " , Journal of Engineering and Technology , Vol.5 annex No.10,University of Technology -Iraq 1991

11. "Substrate bias generator, its importance and characteristics in VLSI circuits " , Modeling, Simulation and Control, A, Vol. 15, No.4 1988

12. "Computer Aided Layout design for integrated circuit fabrication " ,Symposium on industrial applications of micro and personal computers ,Scientific Research Council, Baghdad -Iraq 1986

13. "Optimal performance of HMOS VLSI Circuits " ,Microelectronics No.6 Vol.13" 1982

كتاب:

1. (Instrumentations and Measurements (E-Learning Course 2005

2. Semiconductor Devices, Physics and Technology/ Translation to Arabic 1987

مؤتمر أو ورشة:

1. "FULLY AUTOMATED MOTION CONTROLLED STREET LIGHTING SYSTEM" Eighth National" 2018 1 Symposium on Engineering Final Year Project, College of Engineering, University of Nizwa

- Maximizing the Effectiveness of Solar Energy System by the Integrated Passive Cooling“ 2018 .2
Strategies of Nizwa Eco-House” International Conference for Sustainable Design of the Built
(Environment (SDBE 2018
- Effects of Solar Panel Position and Environmental Conditions on Solar Energy “ 2015 .3
Production” Conference on energy Challenges in Oman ECO’2015 Salalah, Sultanate of Oman
- Solar Energy at University of Nizwa’s Eco House: Analysis and Measurement” Conference“ 2015 .4
on energy Challenges in Oman ECO’2015 Salalah, Sultanate of Oman
- SMOKE DETECTOR AND FIREFIGHTING SYSTEM”, Forth National Symposium on“ 2014 .5
.Engineering Final Year Project, College of Engineering, University of Nizwa
- DESIGN AND IMPLEMENTATION OF UNINTERRUPTIBLE POWER SUPPLY (UPS)” Third“ 2013 .6
National Symposium on Engineering Final Year Project, College of Engineering, University of
.Nizwa
- DESIGN AND IMPLEMENTATION OF AN H-BRIDGE CIRCUIT TO CONTROL DIRECTION OF“ 2013 .7
DC MOTOR”, Third National Symposium on Engineering Final Year Project, College of Engineering,
.University of Nizwa
- On The Large-Signal Modeling Of AlGaIn/GaN Devices Using Genetic Neural Networks”“ 2012 .8
Proceedings Of The 7th European Microwave Integrated Circuits Conference
- Dynamic Short Distance Estimation Using Ultrasonic” IEEE Business Engineering and“ 2012 .9
,Industrial Applications Colloquium 2012
- Load forecasting for Power System Planning Using Fuzzy-Neural Networks”“ 2012 .10
International Conf. of Computational Intelligent Systems www.iaeng.or / WCE2012.ICCIIS_S
- A Genetic Neural Network Modeling of GaN HEMTs for RF Power Amplifiers Design” IEEE 2011 .11
International Conference on Microelectronics, Paper ID: 94, Tunisia
- MIOS Memory Devices and Their Charge Storage Properties” 2010 International 2010 .12
Conference on Electronic Devices, Systems & Applications, ICEDSA, 12-13 April 2010, Kuala
Lumpur ,Malaysia
- Design of Engineering Curriculum Considering sustainable Development Role”“ 2010 .13
.International conference on Engineering Education ICEE , 18-22 July 2010 , Poland
- Design and implementation of RFID system` ` Fifth International multi conference on ` ` 2008 .14
,systems signals and devices IEEE SSD08
- Thin Base Bipolar Transistor Fabrication Using Excimer Laser Assisted Spin-on Doping ` ` 2006 .15
Techniques` ` Sixth International Philadelphia Engineering Conference ,IPEC2006 , Amman Jordan
- Fabrication and Characterization of Double Oxide High Voltage High Temperature Poly-Si 2006 .16
Thin Film Transistors` ` Fourth conference on Scientific Research Outlook & Technology
Development in the Arab World (SRO4), Damascus, Syria
- Wireless Smoke Detector` ` Fourth conference on Scientific Research Outlook & ` ` 2006 .17
.Technology Development in the Arab World (SRO4), Damascus, Syria
- An Efficient Visible and Near IR Photo detector” ,Third Arab Symposium on Scientific 2004 .18
research and Technological Development in the Arab Word ,Riyadh ,Kingdom of Saudi Arabia
- Opto-thermal characterization of CdS/CdTe Structures”, Sharjah Solar Energy 2001 .19
.Conference, , University of Sharjah, UAE
- Optimum design of 1Mbit SRAM circuit using sub micron CMOS technology “ ,the 2nd 2000 .20
Middle East Symposium on Simulation & Modeling MESM 2000 , Philadelphia University , Amman
-Jordan
- Programming characteristics of Al/SiO/SiO₂/Si Memory devices “ , 3rd Electrical 1999 .21

- .Engineering Conference, , Mu`tah University, Jordan
22. Simplified Model for thin film transistor`s I-V characteristics` ` International Electrical and Electronic Engineering Conference JIEEEC 98, ,Amman -Jordan
23. Storage capability of MIOS devices using computerized measurement system “ , the 1998 .Second Scientific Conference on Computer and their applications, , Amman-Jordan
24. CdS thin film transistor with double gate insulators “International Annual Conference of 1997 .the University of Batna , , Algeria
25. Effect of substrate temperature and annealing on the electronic properties of CdTe thin film “ ,First Mosul Conference on Electrical Engineering University of Mosul , Mosul -Iraq
26. Conduction mechanism in double insulated layer fabricated on epitaxial GaAs “ , 11th 1993 .Iraqi Engineering Conference, Baghdad -Iraq
27. Thin film RCG notch filter modeling “ ,Mediterranean Electro-technical Conference 1991 .Melecon ,91 IEEE Yugoslavia
28. Uniformity and Thermal characterization of Al-CdS-Al structures at different temperatures “ ,Fifth Scientific Conference ,Scientific Research Council , Baghdad -Iraq
29. Effect of deposition conditions on the optical properties of CdS Thin Film “International` ` 1987 .AMSE conference on modeling and simulation, Karlsruhe (west Germany), Vol.2A
30. Electrical properties variation of CdS thin film with deposition conditions and film` ` thickness “ ,First regional Symposium on Material Science in the Arab Status, , Alexandria University, EGYPT
31. Thermal analysis of VLSI HMOS circuits “ Forth scientific conference ,Scientific Research” 1986 .Council ,.Baghdad-Iraq
32. Scaling down effect on the performances of VLSI HMOS circuits “ Iraqi Conference on 1985 . Engineering Baghdad-IRAQ

العضوية في الهيئات المهنية

2018-الآن: IAENG INTERNATIONAL ASSOCIATION OF ENGINEERS

2017-الآن: (International Computer Science and Engineering Society (ICES)

1976-الآن: IRAQI ENGINEER ASSOCIATION

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المرجع: <https://www.unizwa.edu.om/staff/cea/h.alabdulqader>