



Zairi Ismael Rizman
Senior Lecturer
Faculty of Electrical Engineering
Universiti Teknologi MARA UiTM (Terengganu)
 Tel (O): +609-840 3791
 Tel (H/P): +6014-804 5715
 Fax: +609-840 3777
 Email: zairi576@tganu.uitm.edu.my

Accademic Qualification

MSc (Microelectronics) (2005), Universiti Kebangsaan Malaysia (UKM), Malaysia
 BEng (2002), UiTM Shah Alam, Malaysia

Research Interest

- Microwave Propagation & Antenna
- Microelectronics and VLSI Circuits Design

Professional Membership

- Member No.: 90625819 from 2009-2010
Institute of Electrical and Electronics Engineers (IEEE)
- Member No.: 91188169 from 2011-current
Institute of Electrical and Electronics Engineers (IEEE)
- Member No.: 122037 from 2012-current
International Association of Engineers (IAENG)

Previous Employment

Positions Held	Employer	Years Of Service
Part Time Full Time Lecturer	UiTM Shah Alam, Malaysia	2003
Contract Lecturer	UiTM (Terengganu) Malaysia	January-June 2004

Administration Responsibilities

Period	Position	Department/Faculty/ Institution	Description Of Role And Responsibilities
2007- 2009	Course Coordinator	Faculty of Electrical Engineering UiTM (Terengganu) Malaysia	Coordinate Diploma Final Final Year Project 1 Course (KEU280/EEE358)
1/7/2007-	Coordinator	Data Analysis Committee,	Coordinate all Data Analysis

30/6/2011		Quality Management Unit (UPQ) UiTM (Terengganu) Malaysia	Reports of UiTM (Terengganu), Malaysia
-----------	--	--	--

Publications

Article of Book	
1.	Zairi Ismael Rizman , Nurul Syahidah Kandar, Norsuhaila Abdul Ghazali Ho and Roziani Mohamad, "Moaning of Heart" Poetry, <i>Gaza: We With Your Cry</i> , 2009, UiTM Press Malaysia, pp. 109 - 110.
Journal Article	
1.	Z. I. Rizman , K. Jusoff, S. S. Rais, H. H. A. Bakar, G. K. S. Nair and Y. K. Ho, "Microwave Signal Propagation on Oil Palm Trees: Measurements and Analysis", <i>International Journal on Smart Sensing and Intelligent Systems (S2IS)</i> , Vol. 4 (3), September 2011, pp. 388 - 401. (Indexed in Scopus)
2.	Kim Ho Yeap, Choy Yoong Tham, Kee Choon Yeong, Kok Hen Chong, Zairi Ismael Rizman , Chuan Choong Yang, "Analysis of Normal and Superconducting Coplanar Waveguides in Radio Astronomy", <i>International Journal of Electronics, Computer and Communications Technologie (IJECCCT)s</i> , Vol. 2 (1), October 2011, pp. 9 - 12. (Indexed in Google Scholar, DOAJ, JournalSeek)
3.	Kim Ho Yeap, Kee Choon Yeong, Kok Hen Chong, Haw Jiunn Woo and Zairi Ismael Rizman , "Plots of Field Distribution in a Rectangular Waveguide", <i>International Journal of Electronics, Computer and Communications Technologies (IJECCCT)</i> , Vol. 1 (2), March 2011, pp. 5 - 13. (Indexed in Google Scholar, DOAJ, JournalSeek)
Newsletter	
1.	Norkamruzita Saadon, Nor Ashikin Yusof and Zairi Ismael Rizman , "CAL Materials: Adding Wonders in Teaching", <i>Language Bulletin</i> , Apr-Jun 2012, UiTM Press (Terengganu) Malaysia, pp. 3.
2.	Nor Ashikin Yusof, Norkamruzita Saadon and Zairi Ismael Rizman , "Discovering Students' Web-based Learning Experience", <i>Language Bulletin</i> , Jan-Mac 2012, UiTM Press (Terengganu) Malaysia, pp. 5.
3.	Zairi Ismael Rizman , Nor Ashikin Yusof and Norkamruzita Saadon, "Renewable Green Technology", <i>Academic Bulletin</i> , August 2011, UiTM Press (Terengganu) Malaysia, pp. 4.
4.	Zairi Ismael Rizman and Gopala Krishnan Sekharan Nair, "From Rubbish into Money", <i>Academic Bulletin</i> , July 2011, UiTM Press (Terengganu) Malaysia, pp. 1.
5.	Zairi Ismael Rizman and Gopala Krishnan Sekharan Nair, "Nanotechnology in Solar Panel", <i>Academic Bulletin</i> , June 2011, UiTM Press (Terengganu) Malaysia, pp. 1.
6.	Zairi Ismael Rizman and Gopala Krishnan Sekharan Nair, "The Risk of Unsafe Electrical Usage", <i>Academic Bulletin</i> , June 2011, UiTM Press (Terengganu) Malaysia, pp. 4.
Proceedings Paper	
1.	Zairi Ismael Rizman , Mohd Aldrin Ali, Siti Sara Rais, Ahmad Farid Abidin, Kim

	Ho Yeap and Muhammad Suhaimi Sulong, "Analysis of Microwave Signal Propagation through Palm Oil Trees", <i>Proceeding Abstract of 2011 Asean Conference on Scientific and Social Science Research (ACSSSR2011)</i> , June 2011, Penang Malaysia, pp. 365.
2.	Muhammad Suhaimi Sulong, Zairi Ismael Rizman , Nazirah Mohamat Kasim and Mohd Noralimi Mohd Ali, "Analysis of MOS Capacitance Characteristics at Quasi-Static Frequency", <i>Proceeding of 2010 National Seminar on Application of Science and Mathematics (SKASM2010)</i> , December 2010, Malaysia, pp. 101 - 106.
3.	Kim Ho Yeap, Ibrahim Ahmad, Zairi Ismael Rizman , Kerlit Chew, Kok Hen Chong, and Yun Thung Yong, 'Characterization of a Submicron PMOS in Mixer Circuits', <i>Proceedings of 2010 IEEE Conference on Sustainable Utilization and Development in Engineering and Technology (STUDENT2010)</i> , November 2010, Malaysia, pp. 129 - 132. (Indexed in IEEEExplore)
4.	Goh Ying Soon, Zairi Ismael Rizman , Raja Mariam Raja Baniamin, Nazatul Azleen Zainal Abidin and Wan Esah Wan Mamat, "Environmental Perception: CerBiS For Higher Education Management", <i>Proceedings of 2009 International Academic Conference On Innovation In Teaching And Management Of Higher Education 2009 (ICITM2009)</i> , December 2009, Malaysia, pp. 1 - 10.
5.	Ahmad Sabirin Zoolfakar, Zairi Ismael Rizman and Anees Abdul Aziz, "Comparison Study of Lightly doped Drain, LDD and Double Diffused Drain, DDD to Overcome Hot Carrier Effect on 0.3um NMOS ", <i>Proceedings of 2009 IEEE Regional Symposium on Micro and Nano Electronics 2009 (RSM2009)</i> , August 2009, Malaysia, pp. 112 - 116.
6.	Ahmad Farid Abidin and Zairi Ismael Rizman , "A Preliminary Study on Validation of Multistage Discrete Wavelet Transformation Technique for Identification of Transient Disturbances", <i>Proceedings of 2009 Second MSU Information Sciences & Engineering Seminar (2nd MSU ISES2009)</i> , July 2009, Malaysia, pp. 1 - 7.
7.	Zairi Ismael Rizman , Ibrahim Ahmad and Ahmad Sabirin Zoolfakar, "Design and Fabrication of 90nm CMOS Using ATHENA and ATLAS", <i>Proceedings of 2009 Second MSU Information Sciences & Engineering Seminar (2nd MSU ISES2009)</i> , July 2009, Malaysia, pp. 8 - 12.
Technical Report	
1.	Goh Ying Soon, Zairi Ismael Rizman , Raja Mariam Raja Baniamin, Nazatul Azleen Zainal Abidin and Wan Esah Wan Mamat, "Environmental Measurement Instruments Report: Perception of the UiTM (Terengganu) Environment (Cheerful, Clean and Comfortable)", 2009, UiTM (Terengganu) Malaysia.
2.	Ahmad Farid Abidin and Zairi Ismael Rizman , "The Validation Multistage Discrete Wavelet Transformation Technique for Identification of Transient Disturbances", 2005, Research Management Unit (RMI) UiTM (Terengganu) Malaysia.
3.	Zairi Ismael Rizman , Fabrication and Simulation of 90nm CMOS Technology Using SILVACO Software, Master Thesis, 2005.
4.	Zairi Ismael Rizman , Measurement Of Attenuation Of Microwave Signals, Degree Thesis, 2002.
Poster	
1.	Zairi Ismael Rizman , Ibrahim Ahmad and Ahmad Sabirin Zoolfakar, "Design and

	Fabrication of 90nm CMOS Using ATHENA and ATLAS”, 2009 Research Poster Presentation Colloquium UiTM (Terengganu) Malaysia, July 2009.
2.	Ahmad Farid Abidin and Zairi Ismael Rizman , “A Preliminary Study on Validation of Multistage Discrete Wavelet Transformation Technique for Identification of Transient Disturbances”, 2009 Research Poster Presentation Colloquium UiTM (Terengganu) Malaysia, July 2009.

Consultancy

CONSULTANCY	DATE	DESCRIPTION OF ROLE AND RESPONSIBILITIES
Hydraulic System course at Kerteh Training Center (KTC) Petronas Carigali Sdn Bhd PMO Terengganu Malaysia	7-8/3/2012	Facilitator
Programmable Logic Controller (PLC) course at Kerteh Training Center (KTC) Petronas Carigali Sdn Bhd PMO Terengganu Malaysia	16-17/5/2012	Facilitator

Achievements/Awards

- RM1,000 Incentive for High Impact Journal Publication UiTM Malaysia 2011
Paper title: “Microwave Signal Propagation on Oil Palm Trees: Measurements and Analysis”
- Bronze for “Intelligent Power Supply” Project in 3rd International Engineering Invention & Innovation Exhibition Malaysia 2012 (i-ENVEX 2012)
- Best Male Lecturer Academic Excellence Award March UiTM (Terengganu) Malaysia
- 2012

Grant

- RM5,400 IRDC UiTM Malaysia Grant 2006-2007
Research title: The Validation Multistage Discrete Wavelet Transformation Technique for Identification of Transient Disturbances
- RM0 FRGS Grant Malaysia 2008-2009
Research title: Environmental Measurement Instruments Report: Perception of the UiTM (Terengganu) Environment (Cheerful, Clean and Comfortable)

Industry Collaboration

- Project leader of MOU between Faculty of Electrical Engineering UiTM (Terengganu) and SolarTIF Sdn Bhd Terengganu Malaysia 2011

Exhibition

- Exhibitor of Universiti Malaysia Terengganu (UMT) Malaysia Innovation Day 2012

Judge/Assessor

- Competition of Innovation Project of Kuala Terengganu Polytechnic Malaysia 2012
- Competition of Final Project Student Sultan Mizan Zainal Abidin Polytechnic Malaysia 2009

- Several of Diploma Final Project Exhibitions & Competitions, Faculty of Electrical Engineering UiTM (Terengganu) Malaysia from 2010-current
- Final Project Exhibition Faculty of Computer Science and Mathematics UiTM (Terengganu) Malaysia March-July Semester 2012
- Design & Innovation Schoolwide Enrichment Model (SEM) Terengganu Malaysia 2012

Reviewer of Journal

- e-Academia Journal, UiTM (Terengganu) Malaysia 2012

Reviewer of Conference

- 2012 IEEE Symposium on Wireless Technology & Applications (ISWTA 2012)
- 2012 IEEE Control & System Graduate Research Colloquium (ICSGRC 2012)
- 2012 2nd International Symposium on Robotics and Intelligent Sensors (IRIS2012)
- 2012 IEEE Symposium on Industrial Electronics&Applications (ISIEA 2012)
- 2012 IEEE Symposium on Business, Engineering & Industrial Applications (ISBEIA2012)
- 2012 IEEE International Conference on Electronics Design, Systems & Applications (ICEDSA 2012)
- 2012 IEEE Colloquium on Humanities, Science and Engineering Research (CHUSER 2012)
- 2012 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE 2012)

Facilitator

- Diploma & Degree Module, Unit of Student Leadership Training & Development (ULPKP) UiTM (Terengganu) Malaysia from 2006-current
- Finishing School Module for Diploma & Degree Student, Career and Counseling Unit UiTM (Terengganu) Malaysia from 2011-current
- Nationhood Module for Diploma & Degree Student, ULPKP UiTM (Terengganu) Malaysia from 2011-current
- Research Colloquium Series 1, RMI UiTM (Terengganu) Malaysia

Speaker

- “Attitude” Talk for Repeaters Student Diploma Module, ULPKP UiTM (Terengganu) Malaysia
- “Concept of Knowledge, Human & Nature Friendly” Talk for Part 1 Student Diploma Module, ULPKP UiTM (Terengganu) Malaysia
- “Self Learning Skills” Talk for Part 1 Student Diploma Module, ULPKP UiTM (Terengganu) Malaysia
- Workshop on “Data Analysis & Measuring Customer’s Satisfaction Using Word 2007” UiTM (Chendering) Malaysia
- “Applying Technology In Customer Service And Tourism Sector” Talk for Faculty of Hotel and Tourism Management Student UiTM (Terengganu) Malaysia