

Dr. MOHD AZLISHAH BIN OTHMAN

CEng, CMarEng MIMarEST

BACKGROUND

MOHD AZLISHAH BIN OTHMAN

Male

MALAYSIAN

CONTACT DETAILS

Microwave Research Group,
 Centre for Telecommunication Research and Innovation,
 Faculty of Electronics and Computer Engineering,
 Universiti Teknikal Malaysia Melaka,
 Hang Tuah Jaya, 76100 Durian Tunggal,
 Melaka, Malaysia



EDUCATION

<i>Year</i>	<i>Degree</i>	<i>Discipline</i>	<i>University</i>
2002	B. Eng. Electrical Engineering	Telecommunication	Universiti Teknologi Malaysia (UTM)
2005	MSc in Communication and Computer Engineering	RF and Microwave Engineering	University of Nottingham, UK
2013	PhD in Electrical and Electronic Engineering	Terahertz CMOS	University of Nottingham, UK

SPECIALIZATIONS

- RF and Microwave systems
- Terahertz CMOS Devices

SKILLS / ABILITIES

- C/C++, Windows, MATLAB, SILVACO, Agilent Advanced Design System 2011A,
- CST Microwave Simulation, Eagle PCB Design, Virtuso Cadence

WORK EXPERIENCES

1. UTM Research Assistant, July 2000 - July 2002
2. Temporary Teacher, August 2002 – May 2003
3. UTeM's Tutor, June 2003 – September 2005
4. OUM's Tutor Melaka, June 2003 – September 2014
5. UTeM's Lecturer, September 2005 – Nov 2014
6. Telecommunication Electronics Tutor, Department of Electrical and Electronic Eng, University of Nottingham, UK, September 2006 –September 2008
7. Head Laboratory for Advanced Communications Lab, October 2011 – October 2013
8. Manager Centre of Excellence, Centre for Telecommunication Research and Innovation, (CeTRI), Universiti Teknikal Malaysia Melaka, November 2013- Nov 2014.
9. Assistant Project Manager Solutas Sdn. Bhd – August 2020 – August 2021
10. Assistant Professor / Senior Lecturer Universiti Teknikal Malaysia Melaka August 2021- till now

TEACHING AND LEARNING

UNDERGRADUATES

SESSION COURSE

2022/2023 BENG4711 - ELECTRONIC ENGINEERING LAB 5

2022/2023 BENT4813 - DATA COMMUNICATION AND NETWORKING

2021/2022 BENG1132 - ENGINEERING PRACTICE

2021/2022 BENG4711 - ELECTRONIC ENGINEERING LAB 5

2021/2022 BENT4813 - DATA COMMUNICATION AND NETWORKING

2019/2020 BENG4711 - ELECTRONIC ENGINEERING LAB 5

2019/2020 BENT4773 - TELECOMMUNICATION SYSTEM ENGINEERING

2018/2019 BENG3761 - ELECTRONIC ENGINEERING LAB 4

2018/2019 BENT3753 - COMMUNICATION PRINCIPLES

2018/2019 BENT4813 - DATA COMMUNICATION AND NETWORKING

2017/2018 BENG3761 - ELECTRONIC ENGINEERING LAB 4

2017/2018 BENT3753 - COMMUNICATION PRINCIPLES

POSTGRADUATES

SESSION COURSE

2021/2022 MENT5013 - ADVANCED TCP/IP NETWORK

2021/2022 MENT5233 - MICROWAVE AND RF CIRCUIT DESIGN

POSTGRADUATE & UNDERGRADUATE STUDENTS

1. POSTGRADUATE

Main Supervisor

➤ 3 PhD students (Main Supervisor)

No	Name	Title	Status
1.	Ali Hasan Mousa	Millimeter Wave Wang Shaped Patch Antenna For 5G Communication	Expected Graduate 2022
2.	Abdullah Talaat Shakir	Optimization On QOS In Data Transmission And Voice Over LTE Using Nemo Method	Expected Graduate 2023
3.	Safwana binti Abd Razak	Real Time Stereo-Matching Development Based On Adaptive Weighted Prediction	Expected Graduate 2023

➤ 3 PhD students (Co- Supervisor)

No	Name	Title	Status
1.	Ahmed Ismail Mohammad Abu Khadrah	Optimum Way for using EDCA Protocol in Wireless Network	Graduate 2018
2.	Ayman Mohammaed Ibrahim	Hoping Time for Device to Device Communication in LTE Cellular System	Graduate 2019
3.	Abdul Halim bin Dahlan	Design Integrated Omnidirectional and Directional Microstrip Antenna for mobile communication	Expected Graduate 2021
4.	Muhammad Majdi bin Saad	Design of Compact UWB Antenna for Wireless Communication System	Expected Graduate 2022

➤ 3 Masters by Research Students

No	Name	Title	Status
1.	Safwana binti Abd Razak	Development Of Spatiotemporal Stereo-Matching Algorithm Based On Adaptive Weighted Prediction	Graduated-2019
1.	Teh Suariati binti Arshad	Enhancement of Avalanche layer in Avalanche Photodiode for optical communication	Graduated -2015
2.	Nur Yashidar binti Md Yassin	Optimization of N+ layer in CMOS PIN photodiode for optical communication.	Graduated-2015

➤ 12 Masters by Coursework

No	Name	Title	Status
1.	Muhtade Mustafa Aqil Alzu'bi	Enhancement of QOS for Multiple Source WWSNs Using TPGF Protocol	Graduated -2015
2.	Mohammed Hasan Ali	Performance Comparison Between UDP and TCP over WiFi and WiMAX	Graduated-2015
3.	Hasanein Dakheel Habeeb	Performance Evaluation of DBR and LAR Protocols in Wireless Distributed Hop Network	Graduated-2015
4.	Nor Liliani Che Johari	Wideband Amplifier for wideband application	Graduated-2014
5.	Ahmed Abu Khadrah	The Enhancement of QOS for VOIP using EDCA Protocol	Graduated-2014
6.	Mohd Khamil bin Mohd Zahari	Analysis of Dumbbell Shaped Defected Ground Structure with Low Pass Filter at X-Band Radar Application	Graduated-2013
7.	Mohd Azizulrahman bin Ayub	Analysis of X band Low Noise Amplifier Using Feedback Amplifier Technique for Radar Aviation Application	Graduated-2013
8.	Siti Rohmah binti Mohamed Kamaruddin	Analysis a Single UWB Ice-Cream Cone Antenna for UWB Communication	Graduated-2013
9.	Mohd Hamizan bin Radzi	Design and Analysis UWB 2 x 2 Array Antenna for UWB Mobile communication System	Graduated-2013
10.	Masayu binti Manshor	Low Noise Amplifier for Broadband Application	Graduated-2013
11.	Sara Afifah binti Abu Bakar	An analysis of UWB Double Sided Circular Disk Bow-Tie Antenna	Graduated-2013
12.	Muhamad Zaki bin Abdul Rahman	Ground Plane Effect of 2 x1 Ice Cream Cone UWB antennas for UWB Communication.	Graduated-2013

Co-Supervisor

- 4 MSc Students
- 1 PhD Students

2. UNDERGRADUATE

Main Supervisor

- 27 Final year students

Co-Supervisor

- 10 Final year students.

EXTERNAL EXAMINER

No	Name	Title	Status
1.	Nur Khalida Abdul Khalid	Frequency Selective Surface (FSS) For Cellular Signals Shielding- UTHM	Graduated -2015
2.	Nurbaizatul binti Badrul hisham	RF Shielded Hat for Protecting Cameraman From Wireless Video Camera Exposure	Graduated -2016

GRANTS

Internal Fund

1. The Design And Develop For Control Home Appliances Via Internet (Cohavi)-**Co-Researcher**, Pjp/2006/Fkekk (14)/S00240- Completed ,2006 –**RM 20,000.00**
2. On The Design, Fabrication And Measurement Of Broadband Amplifier For A Broadband Communication-**Principal Researcher**, Pjp/2006/Fkekk (2)/S00190- Completed,2006 – **RM 20,000.00**
3. Design Of A Beam Forming Network Using Butler Matrix- **Co-Researcher**, Pjp/2006/Fkekk (4)/S00192-Completed,2006- **RM 20,000.00**
4. Optimization Of Soft Handover (Sho) Algorithms For Universal Mobile Telecommunications System (Umts) Network- **Co-Researcher**, Pjp/2011/Fkekk(30c)/S00929, On-Going,1/11/2011 Until 31/10/2012- **RM 11,000.00**
5. Design Of X Circular Polarized Microstrip Antenna For Wireless Mimo Communication By Using Single Feed Method-**Co-Researcher**, Pjp/2011/Fkekk(32c)/S00930, On-Going, 1/11/2011 Until 31/10/2012- **RM 15,000.00**
6. A Study Of Microwave Imaging Radar System Using Ultrawideband (Uwb) Quad- Ridges Horn Antenna For Breast Cancer Detection (University Short-Term Grant- **Principal Researcher** Pjp/2011/Fkekk(38c)/S00935, From 1/11/2011 Until 31/10/2012.- **RM 13,000.00**

7. Integrated Sports Management System With Wireless Microwave Sensor For Athletes Fitness Monitoring:- **Co-Researcher**- Pjp/2012/Ftmk (56d)/S01063 - From 1/06/2012 Until 30/11/2013.- **RM 23,000.00**
8. Wireless Wearable Microwave Radar For Patient's Cardiac Monitoring:- **Co-Researcher**- Pjp/2012/Fkekk (43c)/S01047- From 1/06/2012 Until 30/11/2013.- **RM 30,000.00**
9. Design Of Impact Ionization Avalanche Transit Time (Impatt) Diode In Cmos Process For Millimeter Wave Application PJP/2012/Fkekk(13c)/S01116 –From 01/10/2012-30/04/2014 **Principal Researcher – RM 17,750.00**
10. Broadband Antenna Matching With Rectifier Circuit Integration For Wireless Sensor Energy Harvesting: **Co- Researcher** - From 1/09/2012 Until 1/03/2014.- **RM 30,000.00**
11. Detect Cholesterol Presence Using Unintrusive Method PJP/2013/FKEKK(9D)/S01172; **Co-Researcher**: 1/07/2012 Until 1/03/2014 – **RM 12,500.00.**
12. Compact 10 GHz Distributed Band Pass Filter Using Cascade Strip-Line Resonator with Dumbbell Defected Ground Structure (DGS) for Radar Applications PJP/2013/FKEKK(3C)/S01135; **Co-Researcher**: 1/07/2012 Until 1/03/2014 – **RM 15,500.00**
13. Design of Tri-polarized Antenna for Wireless MIMO Communication System PJP/2013/FKEKK(1C)/S01129; **Co-Researcher**: 1/07/2012 Until 1/03/2014 – **RM 21,500.00.**
14. An Optimization of MIST Beamforming Technique for Tumor Detection using Microwave Front End Radar, PJP/2013/FTMK(19C)/S01246; **Co-Researcher**: 1/10/2013 Until 31/03/2015 – **RM 17,100.00.**
15. An Economical Technique Smart Visitor Management System, PJP/2013/FTMK(16A)/S01224; **Co-Researcher**: 1/10/2013 Until 31/03/2015 – **RM 10,000.00.**
16. Development of Power Amplifier using Spatial Combining Architecture for Microwave Imaging Applications, PJP/2013/FKEKK(41B)/S01258; **Co-Researcher**: 1/10/2013 Until 31/03/2015 – **RM 10,000.00.**

External Fund

1. Energy Monitoring System For Building-Zero Energy Building For Green Technology:- **Principal Researcher**- Mtun/2012/Unimap-Fkekk/1-M00008- From 1/06/2012 Until 1/06/2014.-**RM 61,000.00**
2. Nanonet Device Physics, Characterization, And Multiscale Modelling- Solar Cloths: New Photovoltaic Device To Work In Non-Conventional Areas:- **Co-Researcher**- Mtun/2012/Ump-Fkekk/2-M00086- From 1/06/2012 Until 1/06/2014.- **RM 31,000.00**
3. Fabrication And Testing Of Fss Structure On Microwave Transmission E-Saving Glass:- **Co-Researcher**-Uthm/Ppi/10014/1/3.C024(2)- From 1/07/2012 Until 31/06/2014.- **RM 235,000.00**
4. An Analysis Of D-Band Impact Ionization Avalanche Transit Time (Impatt) Diode Using Optimum Depletion Technique In Cmos Process For Millimeter Wave Applications- **Principal Researcher**- RAGS/2013/FKEKK/TK02/03/B00032- From 1/10/2013 – 31/3/2015 – **RM 70,000.00**
5. Low Loss Microwave Transmission Glass by using Complementary Glass- **Co-Researcher**-RAGS/2013/FKEKK/TK02/05/B00034- From 1/10/2013 – 31/3/2015 – **RM 64,000.00**
6. An Optimization Of A Hybridized Firefly Algorithm On Real Time Vehicle Tracking System. **Co-Researcher**-RAGS/2013/FKEKK/TK02/01/B00030- From 1/10/2013 – 31/3/2015 – **RM 66,000.00.**

PUBLICATIONS

Proceedings

1. **M.A. Othman**, A.S. Ja'afar, M.Z.A. Aziz, M.I Ibrahim, S.A. Radzi, "The Simulation of a Broadband Amplifier for Broadband Applications" 2008 UTeM Research Achivement Seminar, , Melaka, Malaysia, 3-4 Disember 2008.
2. A. S. Ja'afar, M.Z. A. Aziz, M. I. Imran, **M. A. Othman**, "Design, Fabrication and Measurement of Fractal Antenna" Malaysian Universities Conferences on Engineering and Technology, UNIMAP, Perlis, Malaysia, March 8-10, 2008.
3. **M.A.Othman**, I.Harrison, "Continuous Wave (CW) sub-Terahertz (sub-THz) detection by Plasma Wave in High Electron Mobility Transistor (HEMT)," IEEE Asia Pacific Conference on Circuits and Systems (APCCS 2010), Kuala Lumpur, Malaysia, pp.987-990, December 2010.
4. **M.A. Othman**, I. Harrison, "220 GHz Detection Using 0.35 μm AMS MOSFET as Sub-THz Detector : Drain Bias Detraction", IEEE 3rd International Conference On Intelligent System , Modeling and Simulation 2012 (ISMS 2012), Sabah, Malaysia, pp.747-750, February 2012.
5. **M.A. Othman**, I. Harrison, "Sub-Terahertz detection using 0.18 μm UMC MOSFET with 250nm gate length: Variable Power Sensitivity", 2012 International Conference on Solid-State and Integrated Circuit (ICSIC 2012) Singapore, pp. 73-77, March 2012.
6. H.A.Sulaiman, **M.A.Othman**, M.M.Ismail, M.H.Misran" Wireless Network Visualization in 3D Virtual Environment Framework", IEEE Wireless and Optical Communication Conference (WOCC 2012), Kaohsiung, Taiwan, pp. 170-174, April 2012.
7. **M.A.Othman**, M.M.Ismail, H.A.Sulaiman, M.H.Misran, R.H.Ramlee, A.F.Z.Abidin, N.A.Nordin, M.I.Zakaria, M.N.Ayob and F.Yakop, "Firefly Algorithm for Path Optimization in PCB Holes Drilling Process," International Conference in Green and Ubiquitous Technology (GUT 2012), Bandung, Indonesia, pp. 106-110, May 2012.
8. **M.A.Othman**, M.H.Misran, M.A.M.Said, K.G.Cheng, M.M.Ismail, H.A.Sulaiman, "Design

- Of GaAs E-PHEMT Low Noise Amplifier For WLAN Application,” International Conference in Green and Ubiquitous Technology (GUT 2012), Bandung, Indonesia, pp.111-115, May 2012.
9. **M.A. Othman**, I. Harrison, M.M. Ismail, H.A.Sulaiman, M.H.Misran, “Sub-Terahertz Detection using 250 nm MOSFET’s gate length:Power Sensitivity and Frequency Response”, 3rd IEEE IEICE International Conference on Integrated Circuits and Devices in Vietnam (ICDV 2012),Da Nang, Vietnam, pp. 26 – 30, May 2012.
 10. **M.A.Othman**, Z.A.F.M.Napiah, N.Y.M.Yasin, T.S.M.Arshad, M.M.Ismail, H.A.Sulaiman, M.H.Misran, M.A.M.Said, “An Investigation on I-V Characteristic for CMOS PIN Photodiode: Variable I-Layer,” 3rd IEEE IEICE International Conference on Integrated Circuits and Devices in Vietnam (ICDV 2012),Da Nang, Vietnam, pp. 80-83, May 2012.
 11. **M.A.Othman**, Z.A.F.M.Napiah, T.S.M.Arshad, N.Y.M.Yasin, M.M.Ismail, H.A.Sulaiman, M.H.Misran, M.A.M.Said, “I-V Characteristic at Different Depletion Region for CMOS PN Photodiode for Optical Communication Applications,” 3rd IEEE IEICE International Conference on Integrated Circuits and Devices in Vietnam (ICDV 2012), Da Nang, Vietnam, pp. 84-87, May 2012.
 12. M.M.Ismail, **M.A.Othman**, Z.Zakaria, M.H.Misran, M.A.Meor Said, H.A.Sulaiman, M.N.Shah Zainudin, M. A. Mutalib, “EDFA-WDM Optical Network Design System”, Malaysian Universities Conference On Engineering And Technology 2012 (MUCET2012), UNIMAP, Malaysia, Accepted August 2012.
 13. M.H. Misran, M.A. Meor Said, **M.A. Othman**, M.M. Ismail, H.A. Sulaiman, K.G. Cheng, “Design Of Low Noise Amplifier Using Feedback And Balanced Technique For WLAN Application”, Malaysian Universities Conference On Engineering And Technology 2012 (MUCET2012) , UNIMAP, Malaysia, Accepted August 2012.
 14. H.A.Sulaiman, **M.A.Othman**, M.M.Ismail, M.H,Misran, M.A.M.Said, “Human-Computer Interaction for Wireless Network 3D Visualization”, Malaysian Universities Conference On Engineering And Technology 2012 (MUCET2012),UNIMAP, Malaysia, Accepted August 2012.
 15. Yahaya Abd Rahim, Ahmad Naim Che Pee, **Mohd Azlishah Othman**, Nor Aisyah Fadhil, “The use of Mobile Phones to Support Informal Learning”,

International Conference On Active Learning (ICAL 2012), UTeM, Malaysia, Submitted July 2012.

16. **MA Othman**, M Aziz, N Saysoo, AR Othman, “Development of ultra-wideband (UWB) horn antenna using approximation method”, 2012 IEEE Symposium on Wireless Technology and Applications (ISWTA), Bandung, Indonesia, pp. 276-279. 2012.
17. MZA Abd Aziz, NAA Mufit, MK Suaidi, A Salleh, **MA Othman**, MKA Rahim, “The study of X-circular polarized by using double circle slot at 2.4 GHz”, 2012 IEEE Symposium on Wireless Technology and Applications (ISWTA), Bandung, Indonesia, pp. 192-197.2012
18. **Mohd Azlishah Othman** and Mohamad Zoinol Abidin Bin Abd Aziz and Mohan Sinnappa, “The Exposure of Radio Frequency (RF) Radiation on Pharmaceuticals Medicine for RF Application”, 2012 IEEE Symposium on Business, Engineering & Industrial Applications (ISBEIA 2012), Bandung, Indonesia, pp. 40-44, 2012.
19. **Mohd Azlishah Othman**, Sara Afifah Binti Abu Bakar, Mohamad Zoinol Abidin Abd. Aziz, Mohan Sinnappa, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meor Said, “An Analysis of UWB Double Sided Circular Disc Bow-Tie Antenna”, IEEE International Conference on Information, Communication and Embedded System (ICICES 2013), Chennai, India, pp. 561-565, January 2013.
20. **Mohd Azlishah Othman**, Siti Rohmah Mohamed Kamaruddin, Mohamad Zoinol Abidin Abd. Aziz, Mohan Sinnappa, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meor Said, “An Analysis of a UWB Ice-Cream Cone Antenna for UWB Communication”, IEEE International Conference on Information, Communication and Embedded System (ICICES 2013), Chennai, India, pp. 556-559, January 2013.
21. **Mohd Azlishah Othman**, Mohamad Zoinol Abidin Abd. Aziz, Mohan Sinnappa, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meor Said, “An Investigation of Drugs Detection Technique using RF Radiation Exposure in Room Temperature”, IEEE International Conference on Information, Communication and Embedded System (ICICES 2013), Chennai, India, pp. 566 - 572, January 2013
22. **M.A. Othman**, M.S. Ishak, M.Z.A. Abd Aziz, M.M.Ismail, H.A. Sulaiman, M.H. Misran, M.A. Meor Said, R.A. Ramlee, “UWB Chebyshev Band Pass Filter for UWB Communication”, IEEE International Conference of Information

and Communication Technology 2013, Bandung, Indonesia, Accepted February 2013.

23. **M.A. Othman**, M.H. Radzi, M.Z.A. Abd Aziz, M.M. Ismail, H.A. Sulaiman, M.H. Misran, M.A. Meor Said, R.A. Ramlee, "UWB Bowtie 2 x 2 Array Antenna for UWB Mobile Communication System", IEEE International Conference of Information and Communication Technology 2013, Bandung, Indonesia, Accepted February 2013.
24. R.A. Ramlee, **M.A. Othman**, M.M. Ismail, H.A. Sulaiman, M.H. Misran, M.A. Meor Said, R.A. Ramlee, "Bluetooth Remote Home Automation System Using Android Application", IEEE International Conference of Information and Communication Technology 2013, Bandung, Indonesia, Accepted February 2013.
25. Mohamad Harris Misran, Maizatul Alice Meor Said, **Mohd Azlishah Othman**, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman and Ridza Azri Ramlee, "RFID based Medical Database System", 4th International Graduate Conference on Engineering, Science and Humanities-IGCESH 2013, UTM JB, Malaysia, Submitted January 2013.
26. Hamzah Asyrani Sulaiman, Abdullah Bade, Mohd Harun Abdullah, **Mohd Azlishah Othman**, Mohd Muzafar Ismail, Mohammad Harris Misran, Maizatul Alice Meor Said and Ridza Azri Ramlee, "Distance Computation using Axis Aligned Bounding Box (AABB) Parallel Distribution of Dynamic Origin Point," IEEE Annual International Conference on Emerging Research Areas: International Conference on Microelectronics, Communications and Renewable Energy 2013, AICERA 2013-ICMiR, Kerala, India, pp. 160-164, 2013.
27. **Mohd Azlishah Othman**, Muhamad Zaki Abd Rahman, Mohamad Zoinol Abidin Abd. Aziz, Mohd Fareq bin Abd Malek, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meor Said, Ridza Azri Ramlee, "Ground Effect Analysis for Ice Cream Cone UWB Antenna for UWB Communication", IEEE Annual International Conference on Emerging Research Areas: International Conference on Microelectronics, Communications and Renewable Energy 2013, AICERA 2013-ICMiR, Kerala, India, pp. 317-320, 2013
28. **Mohd Azlishah Othman**, Mohan Sinnappa, Badrul Hisham Ahmad, Mohamad Zoinol Abidin Abd. Aziz, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meor Said, "A Review on Wireless Health Monitoring System", 23th International Conference Radioelektronika 2013, Pardubice, Republic Czech, pp. 367-370, February 2013.

29. Nornikman Hassan, Badrul Ahmad, Mohamad Aziz, **M. A. Othman**, A. R. Othman, "Tri-band Minkowski Island Patch Antenna with Complementary Split Ring Resonator at the Ground Plane", 2013 IEEE Conference on Microwave Techniques (COMITE), pp. 46-51, April 17, 2013.
30. Nornikman Hassan, Badrul Ahmad, Mohamad Aziz, M. K. A. Rahim, **M. A. Othman**, "Investigation of Minkowski Patch Antenna with Meander Line Split Ring Resonator (ML-SRR) Structure", 2013 7th European Conference on Antennas and Propagation (EuCAP) 2013, pp. 3233-3237, April 8, 2013.
31. Kamarul Ariffin Abd Rashid, Mohd Muzafar Ismail, **Mohd Azlishah Othman**, Maizatul Alice Meor Said, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Mohamad Zoinol Abidin Abd. Aziz, Kam Meng Goh, Jessnor Arif Mat Jizat, Khairil Azwa Mohd Nor, Amar Faiz Zainal Abidin, Nur Anis Nordin, Mohamed Faisal Abdul Waduth, Khalil Azha Mohd Annuar, Nur Asmiza Selamat, Siti Fadilah Abd Latif, Shahrul Hamzah Abdul Razak, Sigit Widiyanto, Hadyan Mardhi Fadillah, Mohd Fitri Alif Mohd Kasai "A Preliminary Study Of The Implementation Of Bat Algorithm In Kruppa-Based Camera Auto-Calibration's Parameters Tuning" International Conference on Information Technology 2013, Amman, Jordan. Accepted February 2013.
32. M. T. Ahmad, M.Z.A. Abd. Aziz, M. Md. Shukor, M.K. Suaidi, **M.A. Othman**, M. M. Ismail "Phase Shift Of The Transmission Coefficients For Frequency Selective Surfaces", International Conference on Information Technology 2013, Amman, Jordan. Accepted February 2013.
33. J. Hamidon, M.Z.A. Abd. Aziz, N.A.D.A.Mufit, M.K.Suaidi, **M.A.Othman**, M.F.Johar, N.Hassan, M.M. Ismail, M.K.A.Rahim "Investigation Of Single Stub On Circular Polarized Patch Antenna At 2.4 GHz", International Conference on Information Technology 2013, Amman, Jordan. Accepted February 2013.
34. M. Senon, H. Nornikman, B. H. Ahmad, M. Z. A. Abd Aziz, A. R. Othman, **M. A. Othman**, M. M. Ismail "Parametric Study On Pear Diamond Patch Antenna With Rectangular Norch", International Conference on Information Technology 2013, Amman, Jordan. Accepted February 2013.
35. M. K. Mohd Zahari, M. Z. A. Abd Aziz, N. A. Zainuddin, A. Salleh, **M. A. Othman**, M. M. Ismail "Investigation Of Dual Meander Slot To Microstrip Patch Antenna", International Conference on Information Technology 2013, Amman, Jordan. Accepted February 2013.
36. M.M. Saad, M.Z.A. Abd. Aziz, M. Md. Shukor, M.K. Suaidi, **M.A. Othman**, M.M. Ismail "Design 3.5 Antenna Using Planar Technique For Dual Band

- Applications”, International Conference on Information Technology 2013, Amman, Jordan. Accepted February 2013.
37. Nornikman Hassan, Badrul Hisham Ahmad, Mohd Zoinol Abidin Abd Aziz, Abdul Rani Othman, **Mohd Azlishah Othman**, Mohd Fareq Abdul Malek, “Design Minkowski Shaped Patch Antenna with Rectangular Parasitic Patches Element for 5.8 GHz Application”, 2013 IEEE Symposium on Wireless Technology and Applications, Submitted May 2013.
 38. Mohd Fareq Abdul Malek, Nur Aishah Zainuddin, Nornikman Hassan, Mohamad Zoinol Abidin Abd Aziz, Badrul Hisham Ahmad, **Mohd Azlishah Othman**, “Double C-Shaped Monopoles Antenna Array for Dual Band WLAN Application”, 2013 IEEE Symposium on Wireless Technology and Applications, Submitted May 2013.
 39. Z. A. F. M. Napiah, N. A. Hamid, **M. A. Othman**, M. I. Idris, F. Arith, “Development of IMPATT Diodes at Different Sizes for Millimeter Wave Application”, 3rd International Conference and Exhibition on Sustainable Energy and Advanced Material (ICE-SEAM 2013), Submitted June 2013, **Scopus**.
 40. Mohd Muzafar Ismail, **Mohd Azlishah Othman**, Zahriladha Zakaria, “Bending Waveguide Modeling for Light Trapping into Optical Fiber”, 2013 Annual International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite (TelSaTech), Jakarta, Submitted Accepted 2013.
 41. Mohd Muzafar Ismail, **Mohd Azlishah Othman**, Zahriladha Zakaria, “A Computational Electromagnetic Of Propagation On Human Skin Cell”, 2013 Annual International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite (TelSaTech), Jakarta, Submitted Accepted 2013.
 42. **Mohd Azlishah Othman**, Nagarajan Sayssoo, Abdul Rani Othman, Mohamad Zoinol Abidin Abd Aziz, Mohd Muzafar Ismail, Hamzah Asryani Sulaiman, Mohd Harris Misran, Maizatul Alice Meor Said, Ridza Azri Ramlee and Nornikman Hassan, “Optimization Analysis of Quad-Ridged UWB Horn Antenna for Performance Improvement”, 2013 Annual International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite (TelSaTech), Jakarta, Submitted Accepted 2013.
 43. Mohd Muzafar Ismail, **Mohd Azlishah Othman**,” Analysis of electric field, attenuation coefficient and skin depth with low frequency in electromagnetic wave propagation on membrane human cell”, International Conference On Instrumentation, Communication, Information Technology and Biomedical Engineering, Bandung, Indonesia, Presented Nov. 2013.

44. Mohd Muzafar Ismail, **Mohd Azlishah Othman**, “An Analysis of Bending Optical Waveguide for Electromagnetic Field Radiation and Propagation Application”, International Conference On Instrumentation, Communication, Information Technology and Biomedical Engineering, Bandung, Indonesia, Presented Nov. 2013.
45. **M. A. Othman**, N. Y. M. Yasin, T. S. M. Arshad, S. N. Taib, Z. A. F. M. Napiyah, H. A. Sulaiman, M. N. Hussain, “Comparison on IV Characteristics Analysis between Silicon and InGaAs PIN Photodiode”, IEEE International Conference On Instrumentation, Communication, Information Technology and Biomedical Engineering, Bandung, Indonesia, Presented Nov. 2013.
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45. **Mohd Azlishah Othman**, Hazwani Azman, Mohd Nor Husain, Yahaya Abd. Rahim, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meor Said, Mohamad Zoinol Abidin Abd Aziz, Nornikman Hassan, Ahmad Naim Che Pee, Mohamad Radzi Motsidi, Ridza Azri Ramlee, Shadia Suhaimi, "A Review on Heart Monitoring System at 10 GHz Using Microwave Doppler Techniques for Athlete's Fitness Monitoring System", Advanced Science Letters, Submitted March 2013. **Scopus**.
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 50. **Mohd Azlishah Othman**, Badrul Hisham Ahmad, Noor Faridah Amat, "An Overview of Nanonet Based Dye-Sensitized Solar Cell (DSSC) In Solar Cloth", Journal of Semiconductor Technology and Science, Accepted August 2013, **Scopus Q3 and ISI IF = 0.52**.
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66. HAB Sulaiman, MA Othman, M Aziz, A Bade, Review on narrow phase collision detection system in virtual environment ARPN Journal of Engineering and Applied Sciences 10 (2), 691-700 (2015)
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73. MA Othman, NYM Yasin, TSM Arshad, Z Napiah, MM Ismail, HA Sulaiman, Variable Intrinsic Region in CMOS PIN Photodiode for I–V Characteristic Analysis, Advanced Computer and Communication Engineering Technology, 95-101(2015)

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77. MA Othman, S Ruthrabathi, MZAA Aziz, HA Sulaiman, ANC Pee, Design of Mixed Bow-Tie and Ice-Cream Cone Antenna at 120 GHz for Millimeter Wave Application, Advanced Computer and Communication Engineering Technology, 1043-1050 (2016)

Books, Journals, Proceeding Editors and Reviewers

1. Editors, Telecommunication Engineering Module, UTeM, 2014
2. Editors, Advanced Computer and Communication Engineering Technology, Lecture Notes in Electrical Engineering, Springer USA, 2015
3. Editors, Theory and Applications of Applied Electromagnetics, Lecture Notes in Electrical Engineering, Springer USA, 2015
4. Editors, Advanced Computer and Communication Engineering Technology, Lecture Notes in Electrical Engineering, Springer USA, 2016
5. Editors, Theory and Applications of Applied Electromagnetics, Lecture Notes in Electrical Engineering, Springer USA, 2016
6. Journal Editors, Advanced Science Letters 2014-2016.
7. Journal Editors, Jurnal Teknologi UTM 2014-2016.
8. Journal Editors, Information Journal, 2015-2016.
9. Journal Editors, Journal ARPN JEAS, 2014-2016.
10. Journal Editors, Journal of Telecommunication, Electronic and Computer Eng., 2013-2016
11. Proceeding Editors, American Institute of Physics, 2015.
12. Conference Reviewers.

MEMBERSHIP/FELLOWSHIP OF PROFESSIONAL SOCIETIES

No.	<i>Membership</i>	<i>Registration date</i>
1.	Institute of Electrical and Electronics Engineering (IEEE Members – 92278058)	2013
2.	The Institution of Engineering and Technology (IET Members - 98603604)	2011
3.	International Association on Computer Science and Information Technology (IACSIT Members-80343929)	2011
4.	Association Connecting Electronics Industries-USA (Certified IPC Trainer) 610-T 43728	2011
5.	Malaysia Joint Branch RINA-IMAREST	2019

CONSULTATION AND TRAINING EXPERIENCES

1. Consultant to Ilham Qalifa Sdn Bhd for IPC 610A Rev D and Rev E, IPC 7711/21 Rework and Repair
 - 1.1 Politeknik Ungku Omar, Ipoh Perak – 20 participant (2011)
 - 1.2 CIAST Shah Alam, Selangor – 15 participant (2012, 2013, 2015)
 - 1.3 Significant Technology Sdn. Bhd. -15 participant (2012)
2. Consultant to ABR Solution for IPC 610A Rev D and Rev E, IPC 7711/21 Rework and Repair
 - 2.1 Politeknik Seberang Perai, Penang – 30 participant (2012)
 - 2.2 MOHE GE Programme, UTeM Student – 80 participant (2012)
 - 2.3 ADTEC Batu Pahat, Johor – 12 Participant (2013)
3. Advanced Microwave Engineering Training
 - 3.1 Politeknik Merlimau Melaka – 15 Participant (2012)

- 3.2 Politeknik Ungku Omar- 20 Participant (2013)
4. UTeM's Master's Part- Time Programme
- 4.1 Politeknik Merlimau Melaka -18 Students
 - 4.2 Politeknik Ungku Omar, Perak -23 Students
 - 4.3 Politeknik Seberang Perai, Penang -20 Students
 - 4.4 Politeknik Kota Bharu, Kelantan -25 Students
5. Ministry of Higher Education - Industry Centre of Excellence (ICOE) Grant
- LTE Microwave Training-UTeM,UWP,UTHM and UNIMAP RM 200,000.00 (2014-2015)
 - Smart Antenna Training- UTeM,UWP,UTHM and UNIMAP RM 200,000.00 (2014-2015)
 - Cisco Certified Entry Networking Technician- UTeM, UM, UITM Shah Alam and UITM Penang RM250,000.00 (2014-2015)
 - LTE Design Training – PSP, PTSB, POLIMAS, PUO RM 200,000.00 (2015-2016)
 - Smart Antenna Design – PSP, PTSB, POLIMAS, PUO RM 200,000.00 (2015-2016)
6. Consultant for Luminous Sdn. Bhd. (2017-2019)
- Huawei Certification Programme -Fixed Broad Band for public universities -RM1,200,000.
 - Huawei Certification Programme -HCNA for public universities - RM1,000,000.
 - Quality Assurance for Electronic Manufacturing programme -RM 80,000.
7. Consultant for Solutas Sdn. Bhd. (2017-2019)
- Emerson Solutas Oil and Gas Technologies – RM200,000.
 - Solutas Cisco CCENT Programe – RM160,000.
8. Consultant for Narujaya Consultant. (2014-2016)
- 8 x International Conference organizer around ASEAN for 2014 – RM 1,200,000.
 - 20 x International Conference organizer around ASEAN for 2015 – RM 3,000,000

PRIZES / MEDALS/AWARDS/HONORS

1. An Analysis of Radiation towards Pharmaceutical Medicine - Gold and Category Winner For Emerging Technology For INOTEK 2012 (Faculty).
2. Design and analysis of CMOS PIN Photodiode – Silver for Human Interaction Technology for INOTEK 2012 (Faculty).
3. Development of Dual Polarized Antenna – Bronze Medal for Malaysia Technology Expo 2012 (National).
4. Un-Intrusive Method for Detecting Cholesterol Presence – Bronze Medal for BioInnovation Awards 2013 (National)