

TAIWO AMBALI ABIOLA

Computer & Communication Engineer

Profile	Name	Taiwo Ambali Abiola	Mobile	+601116391025
	Email	taiwoambaliyu@yahoo.com		
	Address	Computer and Communication Engineering Department, University Putra, Malaysia.	LinkedIn	https://www.linkedin.com/in/ambali-taiwo-668a6b18/
			Nationality	Nigerian

Work experience

2013-2018	Department of Computer and Communication system Engineering, University Putra Malaysia. Position: <i>Laboratory Tutor/Instructor</i> Duties: - Teaching fiber optic communication system - Giving instruction on splicing, configuration and setting up of fiber optics communication network - Researching and co-supervision of undergraduate students' final year projects.
2010-2012	Complete Business Machines Ltd, Lagos, Nigeria. Position: <i>Hardware/Network Engineer</i> Duties: - Management of Server - Installation and maintenance of local area network, switches and routers' configuration, - Hardware and software troubleshooting.
2009-2010	National Youth Service Corps {NYSC} Enugu state, Nigeria. Position: <i>Mathematics Teacher/ Examination director</i>
2008 - 2009	Abbot Days School , Lagos Nigeria Position: <i>Computer Teacher/ School Computer Engineer</i>
2004-2006	SDB Cyber Investment Ltd. Lagos Nigeria Position: <i>Café Engineer</i> Duties: - General maintenance of computers every 3 months - Switch and Router configuration and installation - Preparation of network cables, site and network troubleshooting when needed.

Academic Qualifications	2014-2018	(PHD) Photonic & Fiber Optics System Engineering UNIVERSITY PUTRA MALAYSIA
	2012-2014	(M.SC) Photonics & Fiber Optics System Engineering UNIVERSITI PUTRA MALAYSIA
	2006-2008	(HND) Computer Engineering OSUN STATE POLYTECHNIC IREE
	2002 - 2004	(OND) Computer Engineering OSUN STATE POLYTECHNIC IREE
	2009-2010	(NIM) Management NIGERIAN INSTITUTE OF MANAGEMENT UNEC, ENUGU
Skills	Teaching	Optical communication, Electronic circuit, Telecommunication, communication and networks.
	Hardware	Computer/electronic hardware troubleshooting; repair and maintenance, soldering. Computer networking; Cabling, termination, Router & Switch configuration. Fiber optic communication system; setup, Termination, Splicing & Simulation.
	Software	Microsoft office, Optisystem, Microsoft server, google Sketchup, Corel draw, and Matlab, Latex, Java and Python
Professional Membership	2012 - date	• Institute of Electrical and Electronic Engineering (IEEE)
	2013 – date	• International Association of Engineering (IAEN).
	2013 - 2017	• Optical Society of America (OSA)
	2014 - 2017	• Cisco Certified Network Associate (CCNA)
	2010 - date	• Nigerian Institute of Management (NIM)
Community Service	2015-2016	• Chairman Welfare committee, Nigerian community, UPM
	2017-2018	• General Secretary, Media/PRO, African Muslim students, UPM
	2016-2018 2014-2015	• Chairman Protocol committee, Nigerian community UPM • Media/Spokesman, Optical Society of America, UPM branch
Scholarship Awards	2013-2014	➤ International Graduate Research Fellow (IGRF)
	2015-2017	➤ Special Graduate Research Assistant (SGRA)
Professional Certifications	2014 - 2017	▪ Cisco Certified Network Associate (CCNA)
	2015	▪ Basic Fiber Optics Association exam (BFOA)

Language Spoken	➤ English (90%) ➤ Yoruba (95%) ➤ Arabic (35%) ➤ Malay (20%)
Workshops / Seminar Attended	✚ Leadership Training workshop ✚ Mind of Academician seminar ✚ Managing the Research Journey ✚ Publish and Flourish workshop ✚ K-chart: An effective tool for Research ✚ Conference on quantum optics ✚ Planning and management ✚ Presentation skill ✚ Endnote Workshop ✚ Examiners Report writing ✚ Managing the writing Process Seminal ✚ Professional Networking seminar ✚ Academic Integrity ✚ Advance Microsoft office seminars ✚ Transformational Leadership
Academic Publications	a. Journal Articles 1. Ambali Taiwo, Sulaiman T., R.K.Z. Sahbudin, M.H.Yaacob, M. Mokhtar, "Fiber Vibration Sensor Multiplexing Techniques for Quasi- Distributed Sensing", <i>Optics and Laser Technology, Elsevier</i>, Vol. 64, pp 34-40, (2014), { published}. 2. Ambali Taiwo, S. Seyedzadeh, Sulaiman Taiwo, R.K.Z. Sahbudin, M.H. Yaacob, M. Mokhtar, "Performance and Comparison of Fiber Vibration Sensing using SAC-OCMDA with Direct Decoding Techniques" <i>International Journal for Light and Electron Optics, Elsevier</i>, vol. 125, issue 17, pp 4803-4806, (2014), {published}. 3. Ambali Taiwo, Sulaiman T, R.K.Z. Sahbudin, M. H. Yaacob, and M. Mokhtar "Collimator-based sensor for remote vibration monitoring" <i>Microwave and Optical Technology Letters, Wiley</i>, Volume 57, pp 38–41, issue 1, (2015), { published}. 4. Ambali Taiwo , Majid Moghaddasi, Kuje Danjuma, Yahaya Idriss, M. Mokhtar "Practical investigation of suitable decoding techniques for spectral amplitude coding optical code division multiple access-based vibration sensing" <i>IET Optoelectronics, IET/IEEE</i>, Volume 57, Issue 1, pp 38–41, issue 6, (2016), { published} 5. Ambali Taiwo, Ghusoon Alnassar, M.H. Abu Bakar, M.F. Abdul Khir, Mohd Adzir Mahdi, M. Mokhtar "Development of authentication code for multi-access optical code division multiplexing based quantum key distribution" <i>Optics and Laser Technology, Elsevier</i>, Vol. 101, pp 312-318, (2018), {published}.

6. Ambali Taiwo, Ghusoon Alnassar, M.H. Abu Bakar, M.F. Abdul Khir, Mohd Adzir Mahdi, "M. Mokhtar. Multi-access code for OCDMA based quantum key distribution network" Vol. 6, issue 5 (2018) {published}.
7. Moghaddasi, M. Ambali Taiwo, Seyedzadeh, S. Boroon, M. Hitam, S. Anas, S.B.A. "Performance analysis of spectral amplitude coding-optical code division multiple access (SAC-OCDMA) in free space optical networks with a multi-wavelength laser source", *Lasers in Engineering, Strachclyde*, Vol. 38, pp 67-80, issue 1-2, (2017), {published}.
8. Ghusoon Alnassar, Ambali Taiwo, Siti Barirah Ahmad Anas, M. Mokhtar "Deployment of Multiservice Code in FSO based Hybrid Subcarrier System" *International Journal for Light and Electron Optics, Elsevier*, {under review}.
9. Ambali Taiwo, Ghusoon Alnassar, M.H. Abu Bakar, M.F. Abdul Khir, Mohd Adzir Mahdi, M. Mokhtar "Practical Implementation of OCDMA Based Multi-User Quantum Key Distribution System Using A Newly Developed Unit-Weight Code" *International Journal for Light and Electron Optics, Elsevier*, {under review}.

b. Conference Proceedings

10. Ambali Taiwo, S. Seyedzadeh, Sulaiman T., R.K.Z. Sahbudin, M.H. Yaacob, M. Mokhtar, "Performance comparison of OCDMA codes for quasi-distributed vibration sensing", *International conference on photonics (ICP), IEEE*, pp 111-113, (2013), {Scopus index, Published}
11. Ambali Taiwo, Juliana Basri, Yahaya Idriss, Majid Kakaee, Makhfudzah Mokhtar, "Experimental demonstration of MS-code based SAC-OCDMA for triple play services", *International conference on photonics (ICP), IEEE*, pp 1-3, (2016), {Scopus index, Published}
12. Kuje Danjuma, Ambali Taiwo, R. K. Z. Sahbudin, M. Mokhtar, M. H. Yaacob "Performance of SAC-OCDMA codes for multipoint fiber vibration sensing", *International conference on photonics (ICP)*, pp 247-249, (2015), {Scopus index, Published}

Hobbies

Badminton, research, movies, trips

Referees

1. **Dr. Makhfudzah Mokhtar**,
Department of Computer and
Communication Engineering
Faculty of Engineering, UPM.
Email: makhfudzahmokhtar@gmail.com
Phone: +60164114273
2. **Assoc. Prof. Dr. M.H Abu Bakar**
Department of Computer and
Communication Engineering
Faculty of Engineering, UPM.
Email: mhab@upm.edu.my
Phone: +60122593787

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3. Assoc. Prof. Ghandham Lakhshminarayana
Department of Computer and
Communication Engineering
Faculty of Engineering, UPM.
Email: glphysics@gmail.com
Phone: +60172824256