

CURRICULUM VITAE

PERSONAL DATA

1. Name: Oni, Oluyinka Omotayo
2. Place Of Birth: Ilorin, Kwara State, Nigeria
3. Date Of Birth: May 27th, 1979
4. State Of Origin: Kogi State
5. Postal Address: Dept. of Electrical & Information Engineering
Covenant University, College of Engineering,
Km 10, Idiroko Road, Canaanland Ota, Ogun State, Nigeria
6. Sex: Female
7. Email: omotayomi4real@yahoo.com
8. Phone Number: +234 7066720365 or +234 8185770768
9. Nationality: Nigerian
10. Marital Status: Married

PROFILE

A committed Registered Engineer/ Educator with seven years working experience comprising of two years' experience in the telecommunications industry, and teaching/research in the University for the past seven years. Honest, dynamic, quick to adapt, self-motivated, excellent problem solver, a critical thinker with great interpersonal, organizational and leadership skills that help achieve my goals effectively and timely. I not only seek for opportunities for career fulfilment, I also utilize skills developed to enhance the growth, development and contribute to the attainment of the vision and mission of my employers.

ACADEMIC QUALIFICATIONS WITH DATES

1. **PhD. Information and Communication Engineering**
Covenant University, Ota, Nigeria In-View
2. **MSc (Hons) in Modern Digital Communication Systems**
University of Sussex, Brighton, United Kingdom 2006 – 2008
3. **B.Eng. (Hons) in Electrical Engineering**
University of Ilorin, Nigeria 1998 – 2004
4. **WASC/School Certificate O/L**
Unilorin Secondary School, Kwara State, Nigeria 1991 – 1997

PROFESSIONAL MEMBERSHIP

1. Member Institute of Electrical and Electronics Engineers (IEEE) No 41392694
2. Member Associate Member, International Association of Engineers (IAENG) No 141146.
3. Member Council for the Regulation of Engineering in Nigeria (COREN) No R. 35,272

KEY SPECIALIZATIONS AND SKILLS

Research and Development, Electrical Engineering Design, Telecommunication design, implementation and network management which including network migration plans; Troubleshoot Local Area Network computer connection issues, site survey, installing and configuring according to design and requirement; Provide maintenance and troubleshooting for network-related service issues including percentage outages, and anomalous behavior, Trouble Shooting and Maintenance of computer systems.

UNDERGRADUATE COURSES TAUGHT (FROM 2013 TO DATE)

1. Signals and Systems (2 Units)
2. Physical Electronics (3 Units)
3. Engineers in Society (1 Unit)
4. Engineering Mathematics (3 Units)
5. Communication Principles (3 Units)
6. Design of Electrical and ICT services (3 Units)

UNDERGRADUATE COMPLETED PROJECT SUPERVISED

1. Design and Implementation of a Web-Based Health-Care Management System
2. Development of a GSM mobile phone based scrolling message display.
3. Online motor vehicle Licensing Management
4. Web-based Leave Management Application for Covenant University.
5. Automated plant irrigation system Covenant University farm case study.
6. Design implementation and usability evaluation of 8x8 grid authentication system
7. Web-based Leave Management Application for Covenant University
8. An Android Healthcare Application.
9. Automated door-lock using colour security.
10. Automated fire detection system.
11. Intelligent traffic light and density control.

MEMBERSHIPS OF UNIVERSITY/ DEPARTMENTAL COMMITTEES

1. Level Adviser for 400Level Computer Engineering students

UNIVERSITY EXPERIENCE

Department of Electrical and Information Engineering, Covenant University Ota, Ogun state Nigeria Sept 2013 to date

1. LECTURER II June 2015 to DATE.
2. ASSISTANT LECTURER Sept 2013 to May 2015

INDUSTRY EXPERIENCE

Mobile Telecommunication Network (MTN Nigeria) Aug 2011- Aug 2013

Position: Graduate Customer Care Trainee

Job Description: Handling of mobile network inbound calls and provision of assistance to customers with specific enquiries, Resolving calls efficiently and effectively, Deployment of Customer Relationship

Management (CRM) software for the provision of personalized customer service of the highest level, Updating of databases with changes in the status of customers and the business prospects, Accuracy in handling all assigned tasks, Working as part of a team to ensure offering world-class Customer Service at all times .

Ondo State Electricity Board, Sept. 2004 – Aug. 2005

Position: Graduate Trainee Engineer

Job Description: Installation, maintenance and repairs of all electrical equipment and rectification of faults on production line, Pilot sites survey, Maintenance and repairs of the Electrical faults on AC generators and panels, supervision electrical installations in government buildings.

Handling of customer's queries and follow up on existing ones, work plans and attending project meetings.

DEGREE THESIS AND REPORTS

1. MSc. Project: Design of Industrial Communication Systems
2. BEng Project: Causes of Power Supply failure and its effect on Industries.

RESEARCH INTEREST

My research interests include but not limited to Intelligence in Information Technology, cybersecurity, Biomedical and Electrical Biosensors, Biomedical Instrumentation, Signal Processing, Wireless Networks, Internet of Things and the Next Generation Mobile Network.

RESEARCH PUBLICATIONS

Journals Papers

1. Victor O Matthews , Felix O Olowononi , Emmanuel Adetiba, **Oluyinka Oni**, A Conceptual Semi-Humanoid Wireless Robotic Lecture for Distance Learning (DL) Communications on Applied Electronics (CAE)–ISSN: 2394-4714, Foundation of Computer Science FCS, New York, USA, Volume 5 –No.5, July 2016
2. Charles U. Ndujiuba, **Oluyinka Oni** and Augustus E.Ibhaze, “Comparative Analysis of Digital Modulation Techniques in LTE 4G Systems” International Journal of Wireless Networking and Communications; Vol. 5, Issue 2, 2015, pp. 60 – 66.
3. F. E Idachaba, H. E Orovwode, J. O Olowoleni and **O.O Oni**, “Power Supply Options and Suitability Assessment for Remote Oil and Gas Production Installations,” International Journal of Emerging Technology and Advanced Engineering ISSN 2250-2459, Volume 4, Issue 10, October 2014
4. C. Nduujiba, N Nkordeh, IB Manuel, **O Oni**, Characterization of Multiple Input Multiple Output: Investigating Spatial Diversity, International Journal of Applied Engineering Research 11 (12), 7662-7665, 2016

Conference Papers

1. **O.O Oni**, FE Idachaba (2017), Review of Selected Wireless System Path Loss Prediction Models and its Adaptation to Indoor Propagation Environments, Proceedings of the International Multi Conference of Engineers and Computer Scientists
2. OE Agboje, **O.O Oni**, NS Nkordeh (2017), An Overview of Mobile Broadband in 4G Long Term Evolution and Emerging Strategies for Resolving Deployment Limitations in Developing Countries, International Journal of Applied Engineering Research
3. Oluwadamilola Oshin, Sebastian Okhanigbe, **Oluyinka Oni** and Francis Idachaba, Development of a Wearable for Remote Health Monitoring in Infants Proceedings of the World Congress on

- Engineering and Computer Science 2017 Vol I WCECS 2017, October 25-27, 2017, San Francisco, USA
4. Francis E Idachaba, Joseph Olowoleni and **Oluyinka Oni**. *IoT Enabled Real-Time Fishpond Management System*. Proceedings of the World Congress on Engineering and Computer Science 2017 Vol I WCECS 2017, October 25-27, 2017, San Francisco, USA
 5. Oluwadamilola Oshin, Sebastian Okhanigbe, **Oluyinka Oni**, Francis Idachaba (2017) Development of a Wearable for Remote Health Monitoring in Infants, World Congress on Engineering and Computer Science.
 6. Victor Matthews, Felix O. Olowononi, Emmanuel Adetiba, **Oluyinka Oni** (2016), "A Conceptual Semi-Humanoid Wireless Robotic Lecturer for Distance Learning", Communications on Applied Electronics (CAE), 5(5), July 2016. Published by Foundation of Computer Science (FCS), NY, USA
 7. G Rejoyce, **O Oni**, O Oshin, F Idachaba, N Nkordeh ,Development and Implementation of a Smart Medical Cabinet using RFID Technology in Developing Countries Proceedings of The World Congress on Engineering 2016 Vol I, WCE 2016, June 29 - July 1, 2016, London, U.K., pp399-402
 8. N Nkordeh, F Idachaba, I Bob-Manuel, **O Oni**, Implementing Orthogonal Frequency Division Multiplexing Using IFFT/FFT Proceedings of the World Congress on Engineering 2016, Vol. I, June 29 - July 1, 2016, London, U.K., pp602-606
 9. N Nkordeh, JO Olatunbosun, I Bob-Manuel, **O.O Oni**, Analysis of Mobile Networks Signal Strength for GSM Networks Proceedings of the World Congress on Engineering and Computer Science 2016, Vol. I, Oct 19 - 21, San Francisco, U.S.A., pp90-93
 10. N Nkordeh, F Idachaba, I Bob-Manuel, **O.O Oni**, Received Signal Strength Measurement: Suboptimal Handing-over, Lecture Notes in Engineering and Computer Science: Proceedings of the World Congress on Engineering 2016, Vol. I, June 29 - July 1, 2016, London, U.K., pp583-586
 11. **O.O Oni**, F.E Idachaba, O.I Oshin, and N.S Nkordeh, "A Comparative Review of Improvements in Long Term Evolution," Lecture Notes in Engineering and Computer Science: Proceedings of The World Congress on Engineering 2015, 1-3 July, 2015, London, U.K., pp477-481
 12. **O.O Oni**, F.E Idachaba and N.S Nkordeh, "GSM-LTE Migration: Deployment Issues for operators in Developing Countries," Lecture Notes in Engineering and Computer Science: Proceedings of The World Congress on Engineering 2015, 1-3 July, 2015, London, U.K., pp489-492
 13. Charles U. Ndujiuba, **Oluyinka Oni** and Augustus E.Ibhaze, "Comparative Analysis of Digital Modulation Techniques in LTE 4G Systems" International Journal of Wireless Networking and Communications; Vol. 5, Issue 2, 2015, pp. 60 – 66.
 14. F.E Idachaba and **O.O. Oni**, "Low Power VTOL UAV Deployments for Urban Area Monitoring," Lecture Notes in Engineering and Computer Science: Proceedings of The World Congress on Engineering 2015, 1-3 July, 2015, London, U.K., pp430-433
 15. Olutola Oni, Oluwadamilola Oshin, **Oluyinka Oni**, and Francis Idachaba, "Web-based Portal for Vehicle Licensing Management," Lecture Notes in Engineering and Computer Science: Proceedings of The World Congress on Engineering 2015, 1-3 July, 2015, London, U.K., pp498-501
 16. Idachaba F.E, Mbeh K.E, Oshin O. I., and **Oni O.O**, "Webportal Applications: Automated Student Clearance Portal," Lecture Notes in Engineering and Computer Science: Proceedings of The World Congress on Engineering 2015, 1-3 July, 2015, London, U.K., pp486-488
 17. Nsikan Nkordeh, Francis Idachaba, and **Oluyinka Oni**, "Microstrip Patch Antenna: Comparing Performance of a Rectangular and a Circular Patch at LTE Bluetooth and GSM Frequencies" Lecture Notes in Engineering and Computer Science: Proceedings of The World Congress on Engineering 2015, 1-3 July, 2015, London, U.K., pp658-663

18. Idachaba F.E. and **Oni O.O.**, "Development of a Bluetooth Based Contactless Automated Attendance Capture System for Large Halls and Auditorium" International Conference on African Development Issues and Communication Technology Track pp47-50. 2015
19. **O.O. Oni**, A.A.A. Atayero, F.E. Idachaba, and A.S. Alatishe, "LTE Networks: Benchmarks, Prospects and Deployment Limitation," Proceedings of the World Congress on Engineering 2014 Vol I, WCE 2014, July 2 - 4, 2014, London, U.K.
20. N.S Nkordeh, A.A.A Atayero, F.E Idachaba and **O.O Oni**, "LTE Networks Planning using the Hata-Okumura and the COST-231 HataPathloss Models," Proceedings of the World Congress on Engineering 2014 Vol I, WCE 2014, July 2 - 4, 2014, London, U.K.
21. **O.O. Oni**, A.A.A. Atayero, F.E. Idachaba, and A.S. Alatishe, "LTE Networks: Benchmarks, Prospects and Deployment Limitation," Proceedings of the World Congress on Engineering 2014 Vol I, WCE 2014, July 2 - 4, 2014, London, U.K.
22. F. E Idachaba, H. E Orovwode, J. O Olowoleni and **O.O Oni**, "Power Supply Options and Suitability Assessment for Remote Oil and Gas Production Installations," International Journal of Emerging Technology and Advanced Engineering ISSN 2250-2459, Volume 4, Issue 10, October 2014

PUBLICATIONS IN BOOK and BOOK CHAPTERS

Thesis

- Title: Design Of Industrial Communication Systems
Author: Oluyinka Oni
Publisher: LAP LAMBERT ACADEMICS PUBLISHING HOUSE, GERMANY
Website: <https://www.lap-publishing.com/>
ISBN: 978-3-659-55483-4
- Title: Causes of power Failure in Nigeria

Book Chapters

1. **Oluyinka Oni**, Francis Idachaba, Oluwadamilola Oshin and Nsikan Nkordeh, "A Comparative Review of Improvement in LTE", Transactions on Engineering Technology-WCE2017, Springer, Jan. 2017 pp.336-347
2. Nsikan Nkordeh, Francis Idachaba, **Oluyinka Oni** and Ibinabo Bob-Manuel Microstrip Patch Antenna:Performance Comparison for Rectangular and Circular Shaped Patch. Transactions on Engineering Technologies. Sio-Iong Ao · Gi-Chul Yang Len Gelman (Ed) 2016
3. Oshin O.I., **Oni O.O.**, Atayero A.A., and Oshin B, (2015), "Leveraging MMWAVE Technology for Mobile Broadband/Internet of Things", Chapter 35 in: IAENG Transactions on Engineering Technologies, pp.507- 514, ISBN: 978-94-017-9803-7, Springer Verlag, USA.

REFEREES

1. Dr. Isaac A, Samuel
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