

Ajakwe Simeon O.



about

Networked System
Laboratory
Kumoh National
Institute of Technology
108, Digital-Building,
KIT, Yangho-Dong,
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730-701, Korea

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languages

English, Hangul, Igbo,
Yoruba.

software

C++, Matlab, Python
OpenCV, PHP,
HTML/XHTML, VB 6.0,
Microsoft.Net
Framework, Latex,
Github

Hardware

A+ (PC, Laptop &
Notebook
maintenance, repairs
and installations)

references

cbasiegbu@yahoo.com
udoka.eze@futo.edu.ng
ljumpaul@kumoh.ac.kr

hobbies

Musical Instruments
Social works

Interests

Machine/Deep Learning, Algorithms Development, Data Science/Knowledge Mgt., Software Engineering/Edge Computing

Education

- 2020-2024 **Ph.D. IT Convergence Engineering** Kumoh National Institute of Technology, Korea
Artificial Intelligence for Real-Time Systems
- 2012-2016 **M.Sc. in Information Technology & Management** FUTO, Nigeria
Software Engineering & Outsourcing (Distinction)
- 2006-2009 **B.Sc. in Computer Science** Imo State University, Nigeria
Computer Science & Expert Systems (Second Class)
- 2002-2004 **OND. in Computer Science** Institute of Mgt. Technology, Nigeria
Computer Science (Distinction)

Experience

- 2020-Till date **Networked System Laboratory, KIT, Korea** Full Time Researcher
Artificial Intelligence
- 2019-2021 **Department of Software Engineering** Assistant Lecturer
SICT¹, Federal University of Tech. Owerri
- 2018 **Christ for All Nations (CfaN) Organization [Faith-based Organization]** IT
*Project Manager-ICT Committee
Volunteer Experience*
- 2007-2019 **Federal University of Technology, Owerri, Nigeria** Assistant Chief Computer
Processor/Technologist
Department of Information Management Technology
- 2015-2016 **University Computer Centre, FUTO** Software Developer/System Admin.
Part-time Engagement
- 2011-2012 **Deeper Christian Life Ministry, Umuahia, Abia State, Nigeria** System
Engineer/Analyst
One-year National Youth Service/Internship
- 2007 **Zenith Computer Technologies, Owerri, Imo State, Nigeria** Acting General
Manager/System Engineer
• IT Project Management and Outsourcing • IT Consultancy & Managerial
duties

Training/Certification

¹<https://sict.futo.edu.ng/personnel/simeon-o-ajakwe/>

2020	Intelligent Business Machine (IBM) <i>Artificial Intelligence Analyst</i>	Artificial Intelligence Training
2018	Computer Professionals of Nigeria (CPN) <i>Chartered Information Technology Professional (Citp)</i>	2-year Professional Training
2017	Digital Bridge Institute <i>Advanced Digital Appreciation Programme for Tertiary Institution (ADAPTI)</i>	Information Professional Training
2014	AFRIHUB for Africa <i>Oracle Certified Administrator (OCA)/Linux Server Administrator</i>	Information Professional Training
2008	Citi Computer Systems <i>System & Network Administration</i>	Industrial Training

Professional Membership

2020	Western Australian Centre for Applied Machine Learning & Data Science <i>Life-Member</i>	
2018	Computer Professionals of Nigeria (CPN)	<i>Chartered Member</i>
2016	Institute of Electrical and Electronics Engineers (IEEE)	<i>Graduate Member</i>
2010	Nigerian Computer Society, (NCS)	<i>Graduate Member</i>
1998	Nigerian Red Cross Society (NRC)	<i>Life Member</i>

Scholarships & Awards

2014-2016	Federal Scholarship Board, Nigeria	MSc. in Information Management Technology
2013-2016	Study Fellowship Award, FUTO	MSc. in Information Management Technology
2016	Federal University of Technology, Owerri [FUTO] Best Postgraduate Student in MSc-IT	
2004	Institute of Management & Technology [IMT] Best Graduating Student in Computer Science	

IT-Projects (Executed)

2021	IT-Convergence Anti-Drone System for Facility Surveillance	On-going
2018	E-Decision Online Application for Christ for All Nation (CfaN)	Team Lead
2015	Simulation of an Android Phone Based Testing System	Team Lead
2011	School Management Software for High Schools	Team Lead
2007	IT-Executive Training for Imo State Legislators	Team Lead
2006	Data Capturing & Engineering For Pension Commission	Team Lead

Publications

- [1] **S.O. Ajakwe**, R. Arkter, L.A. Ahakonye, D.S. Kim, and Jae-Min. Lee. "Real-Time Monitoring of COVID-19 Vaccination Compliance: A Ubiquitous IT Convergence Approach". In: *The 12th International Conference on ICT Convergence*. ICTC. Oct. 2021.
- [2] **S.O. Ajakwe**, G. Mohatsin, R. Akter, D.S. Kim, and Jae-Min. Lee. "Hybrid Multi-Drone Detection, Classification Identification Architecture for Industrial Facilities Surveillance". In: *IEEE Transactions on Pattern Analysis and Machine Intelligence* (2021), Under processing.
- [3] **S.O. Ajakwe**, I.C. Nwakanma, D.S. Kim, and Jae-Min. Lee. "A Review of Key Wearable Device Technologies Parameters for Innovative Healthcare Delivery in B5G Network". In: *IEEE Transactions on Emerging Topics in Computing* (2021), Under review, TETC-2021-08-0307.
- [4] **S.O. Ajakwe**, I.C. Nwakanma, D.S. Kim, and Jae-Min. Lee. "Intelligent and Real-Time Smart Card Fraud Detection for Optimized Industrial Decision Process". In: *2021 Korean Institute of Communication and Sciences Summer Conference*. Vol. 75. KICS. June 2021, pp. 1368–1370. URL: <https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE10587528>.
- [5] **S.O. Ajakwe**, I.C. Nwakanma, D.S. Kim, and Jae-Min. Lee. "Intuitive and Near-Real Time Approach for Smart Card Fraud Detection in a 5G+ Network Environment". In: *IEEE Transactions on Emerging Topics in Computing* (2021), Under review, TETC-2021-08-0308.
- [6] G. Mohatsin, R. Akter, **S.O. Ajakwe**, Jae-Min. Lee, and D.S. Kim. "Real-Time Drone Detection Scheme Using Deep Learning from Thermal Sensors Data to Prevent the Threat of UAV to Nuclear Facilities". In: *IEEE Wireless Communication Letters* (2021), Under processing.
- [7] Eze F.U. and Nwankwo W. and **S.O. Ajakwe**. *Fundamentals of Modern Database Systems*. Owerri, Nigeria: Processing, Tetfund, 2021.
- [8] **S.O. Ajakwe**, I.C. Nwakanma, D.S. Kim, and Jae-Min. Lee. "Machine Learning Algorithm for Intelligent Prediction for Military Logistics and Planning". In: *The 11th International Conference on ICT Convergence, ICTC*. IEEE. Oct. 2020, pp. 411–413.
- [9] B.C. Asiegbu, I.V. Oluigbo, **S.O. Ajakwe**, and G.O. Onyike. "Crowdsourcing Software Development: Concept, Benefits and Adoption". In: *International Journal of Scientific Research in Computer Science and Engineering (ISROSET)* 5 (3 June 2017).
- [10] **S.O. Ajakwe**, J. Ahaiwe, and J.N. Ndunagu. "Framework for Knowledge Management Strategy for Competitive Advantage: Nigerian Industrial Production". In: *FUTO Journal Series 2* (II 2016). URL: <https://www.futojnl.org/issues/type/volume-2-issue-2/technology-and-innovation>.
- [11] **S.O. Ajakwe** and B.C. Asiegbu. "Knowledge Management Paradigm and Partnership for Sustainable Innovative Entrepreneurial Development". In: *International Journal of Gender Studies for Sustainable Development Goals* 1.6 (2016).
- [12] **S.O. Ajakwe**, B.C. Asiegbu, and J. Ahaiwe. "E-Learning Platforms: An Innovative Technological Panacea For Qualitative And Sustainable Human Capacity Building". In: *Abuja International Journal of Education and Management Science* 5 (2016).
- [13] **S.O. Ajakwe** and B.C. Asiegbu. "Comparative Analysis of Offshore and Inshore Software Development Cost". In: *Journal of Research in National Development* 13.2 (2015). URL: <https://www.ajol.info/index.php/jorind/issue/view/12587>.

- [14] F.U. Eze and **S.O. Ajakwe**. *Practical Manual Guide for Database Systems*". Owerri, Nigeria: Mariphan Computekz, 2015.
- [15] **S.O. Ajakwe**. "Design and Implementation of A Computer Hardware Monitoring and Response Analysis Expert System". In: *BSc. Project Thesis submitted to the Department of Computer Science, Imo State University* (Sept. 2009).
- [16] **S.O. Ajakwe**. *Software Application Made Easy*. Owerri, Nigeria: Ambix Publishers, 2007.

Workshop/Seminar

August 18-25, 2021	IBM Research Seminar Series <i>Advances in trustworthy AI</i>	What's Next in AI Africa
July 22-23, 2021	CRESH Workshop on AI and Data Science in Smart Health University <i>AI for mHealth, COVID-19, Disease Control, etc.</i>	West Virginia
June 8, 2021	IBM Skills Academy-MEA Regional Event <i>Fundamentals of AI/Deep Learning</i>	Data Science and AI for Everyone
February 14, 2021	FRONTIERS Science Seminar Series <i>Artificial Intelligence & Green Energy</i>	University of Vienna
2018	Professionalism in Information Technology: Past, Present, and Future Computer Professionals (Registration Council of Nigeria) <i>Annual General Meeting/Conference</i>	
2017	Advanced Digital Appreciation Programme for Tertiary Institution (ADAPTI) <i>1 week workshop on Data Science</i>	Digital Bridge Institute (DBI), Abuja
2017	Big Data 2017-Pervasive Predictive Analytics Workshop <i>AI, Big-Data, 5G, Blockchain</i>	IEEE Africa Region
2016	Green ICT Workshop <i>3-days workshop on Green Energy</i>	IEEE Nigeria Section