

CURRICULUM VITAE

ENGR. PROF. JOHN, SAMUEL NDUESO



PERSONAL DATA

- 1. FULL NAME:** JOHN, Samuel Ndueso
- 2. PLACE AND DATE OF BIRTH:** Nung Ukim, Akwa Ibom State,
April 13th, 1967
- 3. OFFICE ADDRESS:** Covenant University, College of Science & Technology,
Dept. of Electrical & Information Engineering,
Km 10, Idiroko Road, Ota, Ogun State, Nigeria
- 4. PRESENT POSTAL ADDRESS:** Same as (3) above
- 5. SEX:** Male
- 6. PRESENT POSITION:** *Chair ICT/Professor, Computer Systems &
Network Engineering*
- 7. E-MAIL:** *johnsam8@hotmail.com, johnsamdr@yahoo.com,
samuel.john@covenantuniversity.edu.ng*
- 8. MOBILE TEL:** +234 806 299 4678 or +234 807 242 1018
- 9. NATIONALITY:** Nigerian
- 10. STATE/ LOCAL GOVERNMENT:** Akwa Ibom State/ Ikono Local Government
- 11. MARITAL STATUS:** Married
- 12. No. & AGE OF CHILDREN:** One (23 years old Plus)

SECONDARY AND POST-SECONDARY EDUCATION UNIVERSITY EDUCATION

- i. Donetsk National Technical University, Donetsk, Ukraine 1999 – 2005
- ii. Donetsk State Technical University, Donetsk, Ukraine 1989 – 1994
- iii. Rostov Institute of Agricultural Machinery, Rostov on-don. 1988 – 1989

SECONDARY SCHOOL EDUCATION

- i. Ansarudeen College, Isolo, Lagos (HSC) (1986 – 1988)
- ii. Sari-Iganmu Secondary School, Orile-Iganmu. Lagos (1982 – 1987)

ACADEMIC QUALIFICATIONS WITH DATES

- i. PhD (Computers, Computing Systems & Networks) December, 2005
- ii. M. Phil. Computer & System Engineering June, 2000
- iii. B.Sc. Computer & System Engineering June, 1993
- iv. M.Sc. Computer & System Engineering June, 1994
- iv. Certificate in Teaching Russian Language February, 1994
- v. WASC/School Certificate O/L June, 1986, 1987

PROFESSIONAL QUALIFICATIONS

1. Council for the Regulation of Engineering in Nigeria (**COREN**) Certified 2010, COREN/REG/R. **18,163**
2. Corporate Member, Nigerian Society of Engineers “**MNSE**”, Nigeria, 2008, **Reg. No.: 21110**

3. Corporate Member, Institution of Engineering and Technology “MIET”, Reg No. 1100117437, London, 1999.

4. Microsoft Certified Professional (MCP) on “Implementation and Supporting Microsoft Windows NT Workstation 4.0”, 2000

AREA OF SPECIALIZATION

Computer Science, Computing Machines, Complex Systems and Network

UNIVERSITY EMPLOYMENT HISTORY

Professor (August 2014 to Date)

Adjunct Lecturer: (September 2008 to Date)

Associate Professor (December 2012 to July 2014)

Senior Lecturer: (December 2007 to December 2012)

Lecturer I: (October 2006 – November 2007)

Lecturer II: (July 2006 – October 2006)

Assistant Lecturer: (September 1999 – September 2005)

OTHER SKILLS

Proficient in the following computer languages & software: C, C++, Pascal, Assembly Language, Java, WordPerfect, Microsoft OFFICE, Visio, TCP/IP, Computer Network Administration, HTML, Computer Network Configuration, MATLAB/SIMULINK, STATEFLOW, S-FUNCTION, NETCRACKER, AUTOCAD, HTTP, SAP ERP, ORCAD, SMARTCAD, WWW, HTML, EMTP, OPNET, Training, Testing, Trouble Shooting and Maintenance of computer systems.

PRESENT EMPLOYMENT

i.) **Professor, Computer Systems and Network Engineering**, Electrical & Information Engineering Department, Covenant University, Ota, Ogun State, Nigeria. (**August 2014 till date**). I teach and supervise undergraduate and post graduate students. Serve as the *University ICT Chair, Dean - College of Engineering* and a *Member of the University Senate*.

ii.) **Adjunct Lecturer:** University of Lagos, Akoka, Lagos, Nigeria, (**September 2008 till date**), I teach the following courses: **Digital Computer Design, Information Technology, Computer Architecture Computer Network Fundamentals, Software Engineering, Electronics circuits and application**. I also, supervise undergraduate and post graduate students on their projects.

PREVIOUS ENGAGEMENTS

- **Associate Professor, Head of Department (HOD)**, Electrical & Information Engineering Department, Covenant University, Ota, Ogun State, Nigeria. (**December, 2012 to August, 2014**). I taught and supervised undergraduate and post graduate students. Served as the *Chief Academic/operating Officer of the Department* by developing a plan to achieve academic excellence; Oversee the implementation of all the administrative and academic plans of the university Senate, Management or Board as it concerns the Department; Collate and coordinate Department’s academic programmes, decision-making strategies and policy formulation and implementation processes; and Coordinate the academic activities of the Department including teaching, examinations, grading e.t.c. for the purpose of achieving stable and excellent academic culture and experience for the Department.

- **Senior Lecturer:** Covenant University, Electrical & Information Engineering Department, Ota, Ogun State, Nigeria. (**December 2007 to 2012**). I taught the following courses: **Random Processes & Queue Theory, Research Methodology, Embedded System Design and Programming, Microprocessor System & Interfacing, Computer networking and security, Network security and management, Internet Engineering and Advanced topics in computer network, Computer Architecture**. I also supervised undergraduate and

post graduate students on the following projects “Real time visitor messaging Assistant, RTVMA”, Design and Implementation of a wireless VoIP system using Asterisk technology”, RFID patient tagging and Database system, Design of an RFID-based proximity security system for use with RFID embedded identification card, Development of an intelligent information networks for new generation campuses, Designing of a web-based home automation system over power lines using X-10 technology, Development of a web-based VoIP communication system, etc. I teach and monitor different networks in real time for reliability and performance. Together with my colleagues, we handled the innovation in technical matters through activities such as designing, developing and researching, management, specification, implementation and integration of computer software and systems. Deployment of WiMax and WiFi in Covenant University Network. I supervised the IT students during their training in the industries.

- Covenant University, Elect. & Information Engineering Dept., Ota, Ogun-State, Nigeria, Lecturer I, July, 2006 – 2007.

I taught the following courses: Random Processes & Queue Theory, Research Methodology, Embedded System Design and Programming, Microprocessor System & Interfacing, Computer networking and security. I also, supervised undergraduate and post graduate students on their projects.

- University of Lagos, Akoka, Lagos, Nigeria, Lecturer, 2006

I taught the following courses: Digital Computer Design, Information Technology, Computer Architecture Computer Network Fundamentals, Software Engineering, Electronics circuits and application. I supervised undergraduate and post graduate students. Also, I supervised the IT students during their training. I taught the postgraduate degree students Electronics circuits and applications.

- Donetsk National Technical University, Donetsk, Ukraine, Assistant Lecturer, 2000 – 2005

I took students on practical works on Network Simulation using Netcracker Professional software and Matlab Simulink. Designing of Network and Organization, installation and administration of Local Area Network, main type of servers and properties of their installation and exploration. Also, a full-time researcher on my PhD thesis of which I successfully defended. Project on Internet connectivity at homes and offices. Application of DSL. Oversaw all training programs and activities.

- Black & White Style Ltd., Donetsk, Ukraine, Computer Scientific Researcher, 2003 – 2004

Responsible for Local and Wide Area Network design and installation, Importance of Internet Operating system class of Microsoft Windows, Organization and resources of global Internet, protocol TCP/IP and FTP, Working with E-mails and administration system of E-mail, Protocol of HTTP and resources of WWW, Working with browser and setting MS IE and Netscape Navigator, HTML Language and developing of Web-pages, Java language and Java script and a research on the protocol of TCP/IP on how to increase effectiveness of Network.

- Sintal Computer Company Limited, Donetsk. Ukraine. Scientific Researcher (Computer System Engineer,) 2000 - 2002

My duties were as follows: Design of LAN projects for schools and companies, Installation of LAN, Assembling of Computers, Installation of Programs and Testing and Troubleshooting of Computers and Related Equipment, Research on the protocol of TCP/IP. Deployment of VoIP on the network.

- Donetsk State Technical University, Donetsk. Ukraine, Scientific Researcher, 1999 – 2000

I registered for Master of philosophy (M.Phil.) program at Department of Computer Engineering, Donetsk. I was supervised by Ass. Prof. Alexander Anoprienko and my duties were as follows: Organization, installation and administration of Local Area Network, main type of servers and properties of their installation and exploration, Organization and resources of global Internet, protocol TCP/IP and FTP. Network Simulation using simulation programs

- Emmanuel Consultancy Services, Lagos, Nigeria, System Analyst, 1997 – 1998

I carried out the following duties: Taking care and upgrading of the systems in use, Use of excel in taking stock and accounts of the company, Organizing trainees in the use of computers to companies attached, Analyzing the system in use, General consulting service on the PC, Windows 95 and Word processing application.

- University of Ibadan, Postgraduate School, Computer Section, Ibadan, Nigeria, System Engineer, 1996 – 1997

I left Donetsk to Nigeria for my Youth Service (National Youth Service Corps). This is an obligation I needed to fulfill for my country after completed higher education. During the service year, I was employed as at where I carried out the following duties: Maintenance of Postgraduate School Computer Systems, Maintenance of

system blocks, Monitors, Power supply unit and printers: Dot Matrix and Laser jet, Installation of System blocks, upgrading the System and Software packages, Installation of Internal Tape Backup System "COLORADO", Caring for the Software used in Computing Student Records, Use of packages like MS Office, Word Perfect and Windows 95 in processing document, Organizing trainees in the use of Computer to NYSC Staff, Networking: worked on LAN.

SPECIAL EXPERTISE

Computer Science, Computing Machines, Complex Systems and Networks Expertise. Vast knowledge of computing as related to communication to pursue indigenous development of ICT convergence, Telemedicine, Implementation of WiMax and WiFi, Remote monitoring of computing systems against intruders, providing security to systems, Bandwidth usage maximization for enhancement of data exchange efficiency, Increasing the Effectiveness of Computer Networks, Performance Improvement of Wireless Network Based on Effective Data Transmission, Netcracker Professional, PCB, Matlab/Simulink, Microcontroller etc. Design of LAN and WLAN for schools and companies Project Management; Project management of Wireless connectivity using WiMax-WiFi technology Consulting; Design of program in C language to simulation TCP/IP protocol stack; Assembly & Visual Basic programming; Design of ISP platform for companies and Budgeting & Multi-site Technology Operations.

COURSE PROJECTS CARRIED OUT ON THE FOLLOWING AREAS WHILE STUDYING AT DONETSK STATE TECHNICAL UNIVERSITY 1989 – 1994 & 2000 – 2005:

- a) Programming
- b) System Programming
- c) Applied Theory of Digital Machines
- d) Computer Design and Advanced Systems
- e) Control Computer Design
- f) Applied Mechanics
- g) Digital Principles and Systems
- h) Business Management Organization in Computer Process
- i) Computer Networks and Technology of Internet

UNIVERSITY TEACHING EXPERIENCE (since 2000)

A: Some Post Graduate Courses Taught

- 1) Digital Computer Design
- 2) Information Technology
- 3) Electronics circuits and application
- 4) Network Security & Management
- 5) Internet Engineering
- 6) Advanced Topics in Computer Networking
- 7) Computer Architecture

B: Some Undergraduate Courses Taught

- 1) Random Processes & Queue Theory
- 2) Research Methodology
- 3) Embedded System Design and Programming
- 4) Microprocessor System & Interfacing
- 5) Computer networking and security
- 6) Software Engineering
- 7) Computer Architecture
- 8) Computer Network Fundamentals
- 9) Machine and Assembly Language Programming

C: Some M.Sc. projects supervised

- 1) Impact of Latency and Throughput on Corporate Computer Network, case study of Covenant University Network
- 2) Managing Data Exchange and Network Traffic Control in a Broadband Network
- 3) Optimization Of Wide Area Network (WAN) Performance
- 4) A Modified Selective Mapping Technique for Peak-to-Average Power Ratio (PAPR) Reduction in Orthogonal Frequency Division Multiplexing System
- 5) Impact of Link Congestion on a Converged Network
- 6) Managing Data Exchange and Congestion Control in Achieving Network Efficiency: A Case Study of Gulf Agency Company
- 7) Resilience for IP-Over-DWDM Backbone Networks in the Nigerian Air Space Management Agency (NAMA)
- 8) Bandwidth Management in an Internet Television using Nigerian Television Authority as case study
- 9) High-Speed Data Transmission Services on 3g Network: a Case Study of W-CDMA
- 10) An Integrated Congestion Management Architecture for Internet Hosts
- 11) Modeling of the Orthogonal Frequency Division Multiplexing (OFDM) Technology for high data throughput in wireless Communication. (WiMAX Application).

D: Some Undergraduate Projects Supervised

- 1) Real time visitor messaging Assistant, "RTVMA".
- 2) Design and Implementation of a Unified e-ID Card For Secure e-Voting System (MUSES)
- 3) Design and Implementation of a wireless VoIP system using Asterisk technology"
- 4) RFID patient tagging and Database system.
- 5) Design of an RFID-based proximity security system for use with RFID embedded identification card.
- 6) Design of a wireless community network taking the university community as the host.
- 7) Development of an intelligent information networks for new generation campuses.
- 8) Designing of a web-based home automation system over power lines using X-10 technology.
- 9) Development of a web-based VoIP communication system.
- 10) Deployment of WiMax and WiFi in Covenant University Network, Nigeria.
- 11) Design and Implementation of an Electronic Lock with Surveillance System
- 12) Intelligent Transport System (ITS): Design & Implementation of Billing System T-Card

E: PhD projects under supervision in collaboration with other colleagues

1. Improvement of Handover Quality of Service (QoS) Metrics over Internet Mobile Environment. Supervisor of PhD student Department of Electrical and Information Engineering, Covenant University, Ota, Ogun State, Nigeria.
2. Peak-to-Average-Power-Ratio Mitigation in Orthogonal Frequency Division Multiplexing using Reduction Techniques and Amplifier Linearization. Supervisor of PhD student Department of Electrical and Information Engineering, Covenant University, Ota, Ogun State, Nigeria.
3. Modeling the contributory impairment factors on the quality of voice transmitted over the internet. Supervisor of PhD student, Department of Electrical and Electronic, University of Lagos, Lagos, Nigeria.

F: Appointment as a PhD Examiner

1. Dept. of Computer Engineering, Federal University of Technology, Minna, Nigeria (2015 to date)
2. Department of Electrical Engineering, Bayero University, Kano, Nigeria (2015 till date).
3. Department of Computer Science, North-West University, Mafikeng Campus, South Africa (2012 till date);
4. Department of Electrical/Electronic Engineering, Ambrose Alli University, Ekpoma 2013 till date;
5. Department of Computer and Information Sciences, Covenant University, Ota (2007 till date);
6. Department of Mathematics, Covenant University, Ota (2010 till date);
7. Department of Electrical and Information Engineering, Covenant University, Ota (2007 till date);
8. Department of Sociology, Covenant University, Ota, 2013 till date.

G: Appointment as an External Examiner

1. Department of Computer Engineering, Michael Okpara University of Agriculture, Umudike, Umuahia, 2013 till date.

H: Some of PhD projects assessed as an Examiner

- 1) A Software Product Line Approach to Ontology-based Recommendations in e-Tourism Systems
- 2) Development of a framework for intelligent self-service Voice-enabled Systems.
- 3) Improved Integrated Mining of Heterogeneous Data in Decision Support Systems
- 4) Modeling Fuzzy Expert Systems: The Fuzzy Association rule Mining Approach.
- 5) End-to-end Delay Determination of Switched Ethernet Local Area Networks.
- 6) An Architectural Framework for an Intelligent Speech-Enabled Self-Care e-Health System.
- 7) A Formal Specification of an Enhanced Collaborative Virtual Healthcare System.
- 8) Power Systems Stability Control through Reinforcement Learning Framework.
- 9) Determination of End-to-End Delays of Switched Ethernet Local Area Networks.
- 10) Reliability Centered Maintenance (RCM) for Asset Management in Electric Power Distribution System.
- 11) Continuous Implicit Hybrid Methods for the Solutions of Initial Value Problems of General Second Order Ordinary Differential Equations.
- 12) A Framework for Intelligent Voice-Enabled E-Education Systems.
- 13) A Fuzzy Association Rule Mining Expert-Driven Approach to Knowledge Acquisition.
- 14) A Component-Oriented Approach to VoiceXML-based Expert Systems.
- 15) Cyber Fraud among Youths in Lagos.

CURRENT RESEARCH INTEREST

Apart from the research works leading to PhD degrees, other research interests include:

- Improvement of Handover Quality of Service (QoS) Metrics over Internet Mobile Environment.
- Peak-to-Average-Power-Ratio Mitigation in Orthogonal Frequency Division Multiplexing using Reduction Techniques and Amplifier Linearization.
- The Effect of Latency on Quality of Service (QoS) in Voice over Internet Protocol (VoIP).
- Mobile Phone Stunming in Communication Industry.
- Optimization of Wide Area Network (WAN) Performance
- Designing and Implementation of Overall Performance in Network Infrastructure: WiMax, WLAN, LAN and Management.
- Unmanned/uninhabited aerial vehicles.
- Electronic Voting System and its challenges (e-Voting System).
- Convergence of ICT: Prospects and Challenges as the new Emerging Technology.
- Network efficiency in data exchange (LAN & WLAN) and Surveillance Security Systems.
- Bandwidth and High Latency Effects on Application Performance across the Network.

MEMBERSHIP OF INTERNATIONAL RESEARCH GROUPS

- Co-ordinate Covenant University of Nigeria – Donetsk National Technical University of Donetsk research group on Performance Improvement of LAN/WLAN Network Based on Effective Data Transmission.
- Member of the Trans-African Hydrological and Metrological Observatory (TAHMO) sensor design competition organized by DELFT University of Technology, The Netherland. (www.TAHMO.com)

STATEMENT OF PURPOSE

An enthusiastic computer systems & networks engineer who has acquired valuable knowledge and practical experience in the use of technology as an enabler to achieve industrial development and hence human capacity building. An unrepentant team player who has a vision to implement technical strategies in the development and upliftment of our national economy and the world in general through education and research. Possess an in-depth

understanding of emerging technologies and their commercial applications. I have been involved in Lecturing, Researching, and Project Management. I have also been a beneficiary of various Research Grant such as TETFUND, NCC etc.

RESEARCH PUBLICATIONS

DISSERTATION AND THESIS

John S.N. “Increasing the efficiency of data exchange in computer networks based on the protocol of TCP/IP suite” *PhD Dissertation*, Donetsk National Technical University, Donetsk, Ukraine, October, 2005. *Thesis in search for Ph.D. degree on speciality 05.13.13. – Computer, computing systems and networks. Donetsk National Technical University, Donetsk, 2005. 181pages, Bibliography.: L. 141-150.* www.lib.ua-ru.net/diss/cont/258169.html, Kiev, Ukraine.

John, S.N.: “Computer Networks and Technology of Internet”. (*M.PHIL Dissertation*, Donetsk National Technical University, Donetsk, Ukraine, June, 2000).

John, S.N.: “Fast Print Unit IBM PC Interface Device”, Special parts: “Functional and Principal Circuits Design for the Interface and Software Development for Data Interchange”. (*M.SC Dissertation*, Donetsk National Technical University, Donetsk, Ukraine, June, 1994)

John, S.N.: “Design of Special Device for Computation of Function $y = f(x)$ ”, Special part “Design of the Software Device”. (*B.SC Degree*, Donetsk National Technical University, Donetsk, Ukraine, June, 1993)

SCHOLARLY PUBLICATION

A International. Journal Publications

2016

1. Adeyinka Ajao Adewale, Emmanuel Rotimi Adagunodo, **Samuel Ndueso John:**”Improving Prioritized Handover Performance for Mobile WiMAX by Dynamic Guard Channel Allocation and RSS Quality Factor”, *Proceedings of “SAI Computing Conference 2016”SAI Computing Conference 2016* July 13-15, organized by IEEE, London, UK. *IEEE Xplore Digital Library Journal:* pp. 669 – 674, DOI: 10.109/SAI.2016.7556054, @2016, <http://ieeexplore.ieee.org/document/7556054/>

2. Charles U. Ndujiuba, **Samuel N. John**, Taofeek O. Bello: “Design of Duplexers for Microwave Communication Systems Using Open-loop Square Microstrip Resonators”, *International Journal of Electromagnetics and Applications*, Scientific & Academic Publishing, p-ISSN: 2168-5037 e-ISSN: 2168-5045, 2016, (Vol. 6 No. 1): Pg. 7-12, USA, <http://article.sapub.org/10.5923.j.ijea.20160601.02.html>

3. Adewale Adeyinka A., Adagunodo Emmanuel R., **John Samuel N.**, Ndujiuba Charles: “A Comparative Simulation Study of IP, MPLS, MPLS-TE for Latency and Packet Loss Reduction over a WAN”, *International Journal of Networks and Communications*, Scientific & Academic Publishing, p-ISSN: 2168-4936 e-ISSN: 2168-4944, 2016; (Vol. 6, No. 1): Pg. 1-7, USA, <http://article.sapub.org/10.5923.j.ijn.20160601.01.html>

2015

4. **Samuel Ndueso John**, Charles Uzoanya Ndujiuba, Veronica Ekaette Anthony-Michae, Chinonso Okereke: “Flexibility for Internet Protocol Backbone Network for Airspace Management Agency using Dense Wave Division Multiplexing (DWDM)”, *International Journal of Optics and Applications* (Vol.5,No.1,2015), pg. 1-9, p-ISSN: 2167-7301 e-ISSN: 2167-731X, USA, <http://article.sapub.org/10.5923.j.optics.20150501.01.html>

5. Charles Uzoanya Ndujiuba, **Samuel Ndueso John:** “Applications and Benefits of Nonlinearities in Optical Fibres in Wavelength Division Multiplexed Systems”, *International Journal of Optoelectronic Engineering* (Vol.4, No.1, 2014), pg. 1-10, Elsevier, 2015, p-ISSN: 2168-5053 e-ISSN: 2168-5061, USA, <http://article.sapub.org/10.5923.j.ijoe.20150501.01.html>.

2014

6. Charles Uzoanya Ndujiuba*, **Samuel Ndueso John**, Kayode Onasoga: “Optic Fibericity - The New Era Lighting”, *International Journal of Energy Engineering, Scientific & Academic Publishing*, p-ISSN: 2163-1891, e-ISSN: 2163-1905, 2014; 4(4): 69-74, doi:10.5923/j.ijee.20140404.0, USA. <http://article.sapub.org/10.5923.j.ijee.20140404.01.html>

7. Adelakun Adebisi A, **Samuel N. John**, Charles Ndujuiba: “Analytical Derivation of Latency in Computer Networks”, *British Journal of Mathematics & Computer Science, UK, 2014*, ISSN: 2231-0851, Volume 4 [Issue 24 (16-31 December), SCIENCEDOMAIN international, Page 3476-3488, UK, www.sciencedomain.org.
8. Adeyinka A. Adewale, **Samuel N. John**, Dike U. Ike, “Design and Implementation of a Virtual Machine Video Conferencing Application”, *International Journal Of Engineering And Computer Science* ISSN: 2319-7242 Volume 3 Issue3 March, 2014, India, Page No. 5054-5063, <http://www.ijecs.in/issue/v3-i3/27%20ijecs.pdf>.
9. Adegbenro O., **John S.N.**, **Akinade B.A.**, C. Ndujuiba: “Modeling the Contributory effect of Impairment factors on Voice Transmitted over the Internet”, *International Journal of Computer Applications* 89(3): pp. 42-47, ISBN: 973-93-80880-53-2, March 2014. Published by Foundation of Computer Science, New York, USA <http://research.ijcaonline.org/volume89/number3/pxc3894270.pdf>
10. Adewale A.Ajao, Dike U. Ike, Ndujuiba Charles, **John S. Ndueso**: “Improvement of Quality of Service (QoS) over a Wide Area Network (WAN) using Multiprotocol Label Switching Traffic Engineering (MPLS-TE)”. *International Journal of Computer Applications* (0975 – 8887) Volume 88 – No.10, ISBN: 973-93-80880-40-8, Feb. 2014, pp.14–18, USA, <http://research.ijcaonline.org/volume88/number10/pxc3893736.pdf>.

2013

11. Matthews V.O, Osafehinti S, Adetiba E, Dike Ike, **John S.N.**: A Covert Kidnapping Alert and Location Identifier (CKALI), *International Journal of Innovative Technology and Creative Engineering*, ISSN: 2045-8711, Vol.3, no.12, Dec.2013, pp.162-166, UK. <http://ia601207.us.archive.org/34/items/IJITCE/vol3no1201.pdf>
12. **Samuel N. John**, Charles Korede Ayo, Charles Ndujuiba, Chinonso E. Okereke: “Design and Implementation of a Unified E-ID Card for Secure E-Voting System (Muses)”. *International Journal of Computer and Information Technology (IJCIT)*, Volume 2 Issue 6, ISSN: 2279-0764, November 2013, pp. 1131 – 1135, University of Asian Pacific, <http://ijcit.com/archives/volume2/issue6/Paper020619.pdf>.
13. **John Samuel N.**, Ndujuiba Charles, Okonigene Robert E., Udensi Amaogechukwu N.: “Developed Secure Network Model Using Radius Server (Authentication Authorization Accounting)”, *International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 2, Issue 2*, ISSN: 2319-5967 March 2013, pp.1–6, University of Asian Pacific, http://www.ijesit.com/Volume%202/Issue%202/IJESIT201302_01.pdf.

2012

14. Okonigene Robert Ehimen, Ojieabu Clement Eghosa, **John Samuel Ndueso**, Evbogbai Jacob Edekin: “Developed application for Voting using Biometric Data to Eliminate Election Irregularities”, *International Journal of Science and Advanced Technology (ISSN 2221-8386) Volume 2 No 9 September 2012*, pp. 14-17, UK, <http://www.ijstat.com/admin/download/Developed%20application%20for%20Voting%20using.pdf>.
15. **John S.N.**, Anoprienko A.A., Ndujuiba C.: ”Boosting Data Exchange Efficiency using Developed Multi-layer Simulation Models”, *International Journal of Computer Applications (0975 – 8887) Volume 54– No.16, September 2012*, pp. 18-25, September 2012, Foundation of Computer Science, USA. <http://research.ijcaonline.org/volume54/number16/pxc3882517.pdf>
16. **John Samuel**, Akinola Emmanuel, Ibikunle Frank, Ndujuiba Charles, Akinade Bayonle: “Modeling Of Orthogonal Frequency Division Multiplexing (OFDM) system for High Data Throughput in Wireless Communications”, *Journal of Emerging Trends in Computing and Information Sciences (CIS 2012)*, Canada, <http://www.cisjournal.org/> ISSN 2079-8407 vol. 3, No. 4 (2012), pp. 534-539.

2011

17. **John S. N.**, Okonigene R. E., Akinade B.A., Kasali. I., Adewale A. A.: “Developed Model to Control Congestion on Converge Network”, *International Journal of Innovative & Creative Engineering, August 2011* Issue Vol.1 No.8, pp. 1-5, (ISSN: 2045-8711), UK, http://ijitce.co.uk/download/Aug/IJITCE_Aug4.pdf.
18. Ibikunle Frank, **John Samuel**, Akinola Emmanuel: “Online Mobile Phone Recharge System in Nigeria”, *European Journal of Scientific Research ISSN 1450-216X, Vol.60 No.2 (2011)*, pp. 295-304 © EuroJournals Publishing, Inc. 2011. <http://www.eurojournals.com/ejsr.htm>
19. **John S.N.**, Okonigene R.E., Matthews V.O., Akinade B., Chukwu I.S.: “Managing and Improving upon Bandwidth Challenges in Computer Network”, *Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS 2011)* (Volume 2 Number 3), pp. 482-486, ISSN: 2141-7016, UK.
20. **John S.N.**, Ibikunle F.A., Adewale A. A., Owokade A. L., Ajah J. O.: “Implementation of Wi-Fi based Location Tracking System Based on Signal Strength Measurement and Artificial Neural Network”, *Information control systems and computer monitoring (ICSCM)*, UDK 004, Tom 1, pp. 106-112, Donetsk, Ukraine, 2011.

2010

21. **John S.N.**, Okonigene R.E., Akinade B.A., Ogunremi O.: “Teletraffic Modeling of CDMA Systems”, *Global Journal of Researches in Engineering (GJRE - 2010)* Volume 10 Issue 3 Version 1.0: pp.34-38. ISSN: 0975-5861, USA, *Impact Factor* = 0.261: www.mkk.szie.hu/~fulop/Res/If/If-e.htm
22. **John S. N.**, Anoprienko A. A., Okonigene R. E.: “Developed Algorithm for Increasing the Efficiency of Data Exchange in a Computer Network”: *International Journal of Computer Applications* (0975 – 8887), Volume 6– No.9, pp. 16-19, September 2010, Foundation of Computer Science, USA *Impact Factor* = 0.835: www.ourglocal.com/journal/?issn=09758887.
23. **John S.N.**, Okonigene R.E, Akinade B.A, Chukwu I.S.: “Optimized Remote Network Using Specified Factors As Key Performance Indices”. *Global Journal of Computer Science and Technology (GJCST-2010)* Volume 10 Issue 5 Version 1.0: pp.14-17, USA. *Impact Factor* = 0.500: <http://jcst.ict.ac.cn:8080/jcst/EN/volumn/home.shtml>

2008

24. **S.N. John**, F.A. Ibikunle, A.A. Adewale: “Performance Improvement of Wireless Network Based on Effective Data Transmission”, The International Conference on Wireless, Mobile and Multimedia Networks organized by IET, 11-12 January 2008, *IEEE Xplore Digital Library Journal*: ISSN 0537-9989, pp.134-137, @ IEEE Xplore Digital Library, 2008, USA.
25. Ibikunle F.A., **John S.N.**: “WiMAX – Appropriate Technology to Provide Affordable Access to ICTs Infrastructure and Services in Developing Countries”, The International Conference on Wireless, Mobile and Multimedia Networks organized by IET, 11-12 January 2008, *IEEE Xplore Digital Library Journal*: ISSN 0537-9989, pp.61-64, @ IEEE Xplore Digital Library, 2008, USA.
26. **John S.N.**, Atayero A. A.: “Simulation of the Effect of Data Exchange Mode Analysis on Network Throughput», *European Journal of Scientific Research* ISSN 1450-216X, Vol.24 No.2 (2008), pp.244-252, © EuroJournals Publishing, Inc. 2008

2007

27. Anoprijenko Alexander., Ababneh Hasan, **John Samuel Ndueso**: “Bandwidth usage maximization for enhancement of data exchange efficiency in TCP/IP-based networks”: *Problems of Simulation and Computer Aided Design of Dynamic Systems (SCAD-2007)*. Volume 123. Donetsk, 2007, pp.331 – 339, Ukraine

2005

28. **John S.N.**: “Increasing the Efficiency of Data Exchange in a Computer Networks based on the Protocol of TCP/IP Suite”, *Information, cybernetics and Computing Engineering*, Donetsk (DonNTU), Ukraine, Vol. 93, pp. 256-264, 2005, Ukraine.
29. Anoprijenko A., **John S.**, Ababneh H., Richka S.: “Research of Throughput and Efficiency of Network on the base of Multiple Computer Simulation”, *Problems of Simulation and Computer Aided Design of Dynamic Systems (SCAD-2005)*. Volume 78. Donetsk, 2005, pp.54 -63, Ukraine.

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30. **John S.N.** : Simulation with SimuLink, the Access Methods of Transmission using Ethernet “CSMA/CD” Protocol. *Problems of Designing and Computer-Aided Design*: Vol. 52. Donetsk: DonNTU, pp.41-47, 2002, Ukraine.
31. Nuri A., **John S. N.**, Ben M.B.: “Simulating, Analysis and Optimization of TCP Protocol”, *Collected Research Work of DoNTU, Donetsk*, Donetsk, Vol. 1, pp. 927-937, 2002, Ukraine.
32. Anoprienko A.Y., **John S.N.**, Rishka S.V.: “Features of Modeling and Estimation of Overall Performance of Network Infrastructure”. *Computing and Computer-Aided Design*: Donetsk (DonNTU, Vol. 38, pp. 205-210, 2002), Ukraine.
33. Anoprienko A.Y., **John S. N.**, Nuri A.: “Multilevel Simulation of Networks based on the protocols of TCP/IP stack in Matlab/Simulink Environment”. *Information, cybernetics and Computing Engineering*: Donetsk (DonNTU, Vol. 39, pp. 271-279, 2002), Ukraine.

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34. Anoprienko A.Y., **John S. N.**, Rishka S.V.: “Simulating of University Network Infrastructure”. *2nd Scientific Presentation Journal Conference, Kremenchug, I*, Vol. 2 (11), pp. 306-308, 2001, Ukraine.

35. Anoprienko A.Y., **John S.N.**: “Tasks, Methods and Tools for Simulation of Network Infrastructures” *“Problem in designing and Computer-Aided Design of the Dynamic Systems”*, Sevastopol: «Veber», Vol. 29, pp. 312-319, 2001, Ukraine.

Accepted for Journal Publications & Conference Proceedings

36. Dike U. Ike, **Samuel N. John**, Charles Ndujiuba: Modified Selected Mapping Technique for Peak-to-Average Power Ratio Reduction in Orthogonal Frequency Division Multiplexing Systems, *International Journal of Current Engineering and Technology*, E-ISSN 2277 – 4106, P-ISSN 2347 – 5161, India, 2014, pp., <http://inpressco.com/category/ijcet>.

37. Chinyere Grace Kennedy, DongSub Cho, **Samuel Ndueso John**, Funminiyi Olajide: Access Control Based Architectural framework for Implementation of Secured TPM on e-commerce.

Book Publication

1. **John S.N.**, Anoprienko A.A., Ndujiuba C.: “TCP/IP Protocol-Based Model for Increasing the Efficiency of Data Transfer in Computer Networks”, a book chapter in “Integrated Models for Information Communication Systems and Networks: Design and Development” *Published in the United States of America by Information Science Reference (an imprint of IGI Global)*, ISBN 978-1-4666-2209-8 (ebook)-2013

2. Ndujiuba C., **John S.N.**: “Fundamental of Digital Signal Processing for Engineers and Students” *Published by Lightquick Production, Lagos, Nigeria*, ISBN: 978-978-951-359-8, Nigeria, 2015.

Research Consortium

1. **Musa Adebola G., Ayo Charles K., John Samuel N.**: “Modeling a Multimodal Service-Oriented e-Election”, *Research Consortium: The 24th National Conference “Towards a Cashless Nigeria: Tools and Strategies»*, *Nigeria Computer Society, the 3rd Research Consortium on Information Technology Innovations (RECITI) 2012*, July 25 – Friday July 27, 2012. Uyo, Akwa Ibom State, Nigeria.

Abstract

Election is an integral component of any democratic system. e-Election is the use of electronics means to conduct an election. e-Election includes e-Registration, e-Voting, e-Sorting, e-Tallying, e-Collation and e-Board. In this work, we intend to model and build a MULTimodal, Service-oriented e-Election System (MUSES) to address the following problems (1) “Security” in e-Voting system in terms of (a) Eligibility verification issue which includes identity theft, (b) Universal verification issue which includes vote deletion. (2) “Performance” of e-Voting system with reference to (a) Convenience (b) Apathy (c) Accessibility within and outside the country of origin and (d) Trust and confidence between the voting population and the e-Election system. A hybrid identification technology is deployed. The following tools of implementation will be used: XHTML Mobile Profile, Microsoft Visual Studio and Microsoft Visual Web Developer. It is hoped that this approach if deployed nationally will conserve national resources and time among other benefits.

2. **Okonigene Robert E., John Samuel N., Ndujiuba Charles, Matthews Victor O.**: “Research Proposal on Mobile Phone Stun in Communication Industry in Nigeria”, *Research work in collaboration with NCC, Nigeria 2012.*

Abstract

This paper addresses the issue of mobile phone theft and a proposal to stun the stolen mobile device. A 2-tier client server system is deployed to capture user data- The Bio-Information/Personal information of a user—what he has - the mobile device information. Cell phones especially smart phones are being stolen in increasing rate on a daily basis especially now that cell phones are becoming “smart” and handy. To realize the Windows based solution for the system, the client system houses and application that is designed based on Microsoft Visual Basic.NET, Microsoft Access Database 2003, and Microsoft SQL Server 2005 Express Edition Component of Visual Studio 2010.

3. **Charles U. Ndujiuba, Samuel N. John, Victor O Matthews:** *Detection and Real-Time Collision Avoidance of Unmanned Aerial Vehicles”, Research work in collaboration with NAF, Nigeria 2013*

Abstract

Unmanned/Uninhabited Aerial Vehicles (UAV) are intelligent flying robotic systems that can: Assist or replace humans in hostile and uncertain environments. Provide the only means of surveillance in areas of rough terrain,

where human-piloted aircraft cannot go owing to safety reasons. They also offer applications in defence, civil search and rescue, and space exploration. Autonomy of such vehicles requires a form of basic intelligence. Areas of concern include: . Flight control and navigation, . Path planning and re-planning, . Formation and collision avoidance

4. Nwoye E.O., Adegbenro O.A., John S.N.: “The Automatic Diagnostic/Dispensing Machine (ADM)”, Research work in collaboration with NCC, Nigeria 2014.

Abstract

The Corner Street General Practitioner (GP) Cubicle is the design and construction of an automated diagnostic, prescriptive and dispensing cubicle for common ailments such as fever, flu, headaches, stress and general pains in an outpatient manner to reduce hospital visitation and also to serve difficult to reach areas. In this research project we will develop and assemble some common physiological parameter sensors such as:- thermometer for temperature measure, - sphygmomanometer for pressure, - pulse oximeter for pulse and oxygen content of the blood, - general patient monitor, ECG parameter etc. This will be integrated in an easy to use self-serve format and their measured values compared to expert reference and tied to on-the-counter prescription medications and in turn interfaced to a prescription printer and a drug dispenser. This system will consist of an array of physiological probes, a central processing unit, a prescription printer, video display unit and a drug dispensing unit, all interconnected electronically with security using an ADM chip and pin card to be issued to the patients.

5. Victor O. Matthews, Samuel N. John, Emmanuel Adetiba: “Design and implementation of Military Assets Tracking System”, Research work in collaboration with NAF, Nigeria 2013.

Abstract

The car tracking system is a hybrid of web-based software, a field GPS hardware and an administrative SMS-based hardware. With this system, the accurate locations of assets can be obtained on the admin system via the mobile communications network. This system can be deployed to help the military track weapons and other assets with precision and high accuracy.

6. AAA. Atayero, Victor O. Matthews, Samuel N. John: “Ammunition Depot RFID Management System and Semi Humanoid Wi-Fi based Bomb Detector Robot”, Research work in collaboration with NAF, Nigeria 2013.

Abstract

Ammunition Depot RFID Management System and Semi Humanoid Wi-Fi based Bomb Detector Robot are both relevant systems in any military set-up. The former will help in tracking down military assets with little difficulty while the later will help in curtailing the menace of terrorism which has recently become a major national security challenge.

b. International Conference Proceedings

2016

1. **S. N. John**, C. Anele, K.O. Okokpujie, F. Olajide, Chinyere Grace Kennedy: “Realtime Fraud Detection in the Banking Sector using Data Mining Techniques Algorithm”, accepted for both, publication in the IEEE CPS proceedings and presentation. The 2016 International Conference on Computational Science and Computational Intelligence - International Symposium on Computational Intelligence (CSCI – ISCI '16) - IEEE CPS and IEEE Xplore,| Dec 15-17, 2016, Las Vegas, USA.

2. Omoruyi Osemwegie, **Samuel John**, Kennedy Okokpujie, Ibukun Shorinwa: “Development of an Electronic Fare Collection System Using Stationary Tap-Out Devices”, accepted for both, publication in the IEEE CPS proceedings and presentation. The 2016 International Conference on Computational Science and Computational Intelligence - International Symposium on Internet of Things & Internet of Everything (CSCI – ISOT '16) - IEEE CPS and IEEE Xplore,| Dec 15-17, 2016, Las Vegas, USA.

3. Adeyinka A. Adewale, Emmanuel R. Adagunodo, **Samuel N. John**, Charles N. Ndujiuba: “Effect of Increasing Buffer Size on Prioritized Guard Channels with Queue During Call Traffic Congestion”, accepted for both, publication in the IEEE CPS proceedings and presentation. The 2016 International Conference on Computational Science and Computational Intelligence - International Symposium on Mobile Computing, Wireless Networks, and Security (CSCI – ISCI '16) - IEEE CPS and IEEE Xplore,| Dec 15-17, 2016, Las Vegas, USA.

4. Adeyinka A. Adewale, **Samuel N. John**, Victor O. Matthews, Charles N. Ndujiuba, Adebiyi A. Adelokun: “Performance Evaluation of Dynamic Guard Channels Assignment with Queue and Prioritized Schemes” accepted for both, publication in the IEEE CPS proceedings and presentation. The 2016 International Conference on Computational Science and Computational Intelligence - International Symposium on Mobile Computing, Wireless Networks, and Security (CSCI – ISCI '16) - IEEE CPS and IEEE Xplore,| Dec 15-17, 2016, Las Vegas, USA.

5. Adeyinka A. Adewale, **Samuel N. John**, Emmanuel R. Adagunodo: “Performance Comparison of Dynamic Guard Channel Assignment with Buffered Prioritized Scheme for Mobile WiMAX Network”, Proceedings of the World Congress on Engineering 2016 Vol I, WCE 2016, June 29 - July 1, 2016, London, U.K. ISBN: 978-988-19253-0-5 ISSN: 2078-0958 (Print); ISSN: 2078-0966 (Online).

6. Dorcas Okonigene; Robert Okonigene; **Samuel John**; Austin Agbator; Eunice Agbator: A model against crime: Crime and intelligence led policing in Nigeria, *Proceedings of the International Conference on Modeling, Simulation and Visualization Methods (MSV)*: p.132- 135. Athens: The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldComp). (2016).

7. **John Samuel N.**, Okonigene Robert E., Samuel Peters C., Okokpujie Kennedy: “Intelligent Plant Watering System for Rural Farmers”, accepted as a Regular Research Paper (RRP). The 2016 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'16), Annual Summer International Conference on Software Engineering. Research and Practice | SERP'16 |, USA, pp: 194 – 199, ISBN: 1-60132-446-4, CSREA Press. <http://worldcomp-proceedings.com/proc/p2016/SER3223.pdf>

2015

8. Okonigene Robert, Ikhine Matthew, **Samuel John**, Agbator Austin: “Performance Perspective of Real Time Monitoring of Availability of Radio Access in a Network”, accepted as a Regular Research Paper (RRP). The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'15), Annual Summer International Conference on Wireless Networks (ICWN'15: July 27-30, 2015), USA, pp.

9. Abayomi Mosaku, Joao Pedro Leonor, Fernandes Saraiva, Solomon Rotimi, **Samuel Nduseso John**, Rainer König, Ezekiel Adebiyi: “Computational Analysis of Differentially Expressed Genes in Mycobacterium Tuberculosis Infection”, accepted as a Regular Research Paper (RRP), the 2nd Covenant University International Conference on African Development Issues (CU-ICADI 2015), Covenant University, Ota, Ogun State, Nigeria. pp. 10 – 15, Nigeria, <http://eprints.covenantuniversity.edu.ng/5339/1/Paper%2077.pdf>

2014

10. **Samuel N. John**, Charles U. Ndujiuba, Robert E. Okonigene, Chinonso E. Okereke, Miebaka E. Wakama: “Creating a Policy Based Network Intrusion Detection System using Java Platform”, accepted as a Regular Research Paper (RRP). The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'14), Annual Summer International Conference on Security and Management (SAM'14: July 21-24, 2014), USA, pp. 319-324.

11. Adewale Adeyinka A., **John Samuel N.**, Ndujiuba Charles: A Simulation Study of Effect of MPLS on Latency over a Wide Area Network (WAN)”, accepted as a Regular Research Paper (RRP). The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'14), Annual Summer International Conference on Wireless Networks (ICWN'14: July 21-24, 2014), USA, pp. 196-201.

12. Okonigene Robert, Ojieabu Clement, **Samuel John**, Agbator Austin: “Automated Electoral System in a Developing Country Democracy“, accepted as a Regular Research Paper (RRP). The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'14), Annual Summer International Conference on Scientific Computing (CSC'14: July 21-24, 2014), USA, pp. 137-140.

13. Okonigene Robert E., John-Otumu M.A., **John Samuel N.**, Ojieabu Clement E.: “Web Based Automated Workflow System for Employees Welfare and Loan Scheme Using Lightweight Methodology”, accepted as a Regular Research Paper (RRP). The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'14), Annual Summer International Conference on Software Engineering Research and Practice, (SERP'14: July 21-24, 2014), USA, pp. 59-63.

2013

14. Victor O. Matthews, Emmanuel Adetiba, Samuel Osafehinti, Ayoola E. Akindele, **Samuel N. John**: “On the Development of Wi-Fi enabled Dual Frequency RFID Module and Web-based Attendance Management

Software (WAMS)”, *Proceedings: The 22nd IBIMA conference on Creating Global Competitive Economies: 2020 Vision Planning & Implementation*, Rome, Italy 13-14 November 2013, ISBN: 978-0-9860419-1-4, pp. 1054 – 1057, 2013.

15. **Samuel N. John**, Charles Ndujuiba, Robert Okonigene, Ndeche Kenechukwu: “Simulation and Monitoring of a University Network for Bandwidth Efficiency Utilization” *accepted as a Regular Research Paper (RRP)*. The 2013World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’13), Annual Summer Conference on Modeling Simulation & Visualization Methods (MSV’13: July 22-25, 2013, USA), pp 54 – 59.

2012

16. Okonigene R. E., **John S. N.**, Ojieabu C., Ihenyen Aigbe: “Developed and Secured Website for Nigerian University”, *accepted as a Regular Research Paper (RRP)*. The 2012World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’12), Annual Summer Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS’12: July 16-19, 2012, USA), pp.645-648.

17. Okonigene Robert, Ojieabu Clement, **Samuel John**, Agbator Austin: “The Nigeria Electoral Laws and Automated Electoral Voting Process”, *accepted as a Regular Research Paper (RRP)*. The 2012World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’12), Annual Summer Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE’12: July 16-19, 2012, USA), pp.534-537.

2011

18. **John S.N.**, Okonigene R.E., Matthews V.O., Kasali I.G.: “Controlling Link Congestion on Complex Network”, *accepted as a Regular Research Paper (RRP)*: The 2011 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’11), Annual Summer Conference on Internet Computing (ICOMP’11), Las Vegas, Nevada, USA, July 18-21, 2011, pp.

19. O. Adegbenro, **S.N. John**, B.A. Akinade: “The Contributory Effect of Latency on the Quality of Voice Transmitted over the Internet”, *accepted as a Regular Research Paper (RRP)*: The 2011 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’11), Annual Summer Conference on Modeling Simulation & Visualization Methods (MSV’11), Las Vegas, Nevada, USA, July 18-21, 2011, pp.

20. Musa Adebola G., Ayo Charles K., **John Samuel N.**: “Building a Multimodal, Trust-Based E-Voting System”, *Proceedings: The 2011 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’11)*, Annual Summer Conference on e-Learning, e-Business, Enterprise Information Systems, & e-Government (EEE’11), Las Vegas, Nevada, USA, July 18-21, 2011, pp. 273-277.

2010

21. **S. N. John**, R. E. Okonigene, A. Adelakun: Impact of Latency on Throughput of a Corporate Computer Network, *Proceedings: The 2010 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP’10)*, Annual Summer Conference on Modeling Simulation & Visualization Methods (MSV’10), Las Vegas, Nevada, USA, July 12-15, 2010, pp.282-287.

22. **John S.N.**, Atayero A.A.: A Simulation Model for Determining Data Exchange Mode Analysis Network Influence, *Proceedings: 16th Telecommunications forum TELFOR 2008*, pp.139-141, Serbia, Belgrade, November 25-27, 2008.

2003

23. Anoprienko A.Y., **John S.N.**: “Basic Approaches to Simulation and Research of Network Infrastructure”, *Proceedings: “3rd International Scientific Technical Conference”, (Integrated Computer Technology in Machine Construction), IKTM*: Kharkov National Aeronautic University, Kharkov, Ukraine, Nov. 24th-27th, pp. 98, 2003.

24. Anoprienko A.Y., **John S.N.**, Hassah A.A.: “Designing of Networks Infrastructure as Components in Distributing Simulation Environments”, *Proceedings: “Information of Microprocessor Systems” IMPS-2003*, Taganrog Radio Technical University, Taganrog, Russia, pp. 68-69, <http://elibrary.ru/item.asp?id=12689991>, 2003. УДК: 681.5.015.26:681.323

Local Conference Proceedings

2012

25. **S.N. John**, C. Ndujiuba, O.I. Oluwaseyi, I.C. Onyinye: “Design and Implementation of a Microprocessor Based Temperature Controller with Real Time Display” *Proceedings: EIE’s 2nd International Conference on Computing, Energy, Networking, Robotics and Telecommunications (eieCon2012)*. 21st - 23rd November 2012, Ota, Nigeria

26. C Ndujiuba, **S.N. John**: “Active Inductor and Capacitor for DCS receiver band (1.71 GHz–1.785 GHz) using multi-MESFET Negative Resistance Circuit”, *Proceedings: EIE’s 2nd International Conference on Computing, Energy, Networking, Robotics and Telecommunications (eieCon2012)*. 21st - 23rd November 2012, Ota, Nigeria

2010

27. **John S.N.**, Akinade B.A., Chukwu I.S.: Wide Area Network Efficiency Through Optimization of Key Performance Indices: *Proceedings: International Conference NIGERCON 2010*, June 17 -19, 2010, pp., Rockview Hotel, Abuja

2009

28. **John S. N.**, Itaketo I. N., Adewale A. A.: “Automation and Easy Accessibility of Medical Services in Nigeria (ICT and Medicine)”, *Proceedings: The International Conference on Managing Current Global Challenges: IT Strategies and Tools*, MaCGlobe '09 Nigeria Computer Society, July 21st – 24th, 2009, Abuja, pp.175-180.

2007

29. Anoprienko A., **John S.N.**, Al Ababneh H.: “Simulation Tools and Services for Mobile Users: History, State-Of-The-Art and Future”, *Proceedings: International Conference and Workshop on Third Generation (3G) GSM and Mobile Computing: an Emerging Growth Engine for National Development*, Covenant University, Ota 29th – 31st, ISBN: 978-37963-2-1, pp.9 – 20, 2007.

2006

30. **John S.N.**: “Foam Concrete Production Technology in Capacity Building for Nigeria’s Infrastructural Development”, *Proceedings: Second Science Conference and the First Nigerian Diaspora Day, “Engineering/Infrastructure/Environment/Housing/ Mortgage Financing”*, Abuja 25th – 28th July, 2006.

2005

31. **John S.N.**: “Increasing the Effectiveness of Computer Networks Toward Developing Science and Technology in Nigeria”, *Proceedings: 1st Conference on Bridging the Digital and Scientific Divides: Forging Partnerships with the Nigerian Diaspora “Information Technology Development (Networking)”*, Abuja, Nigeria. 25th–28th July, 2005.

SEMINARS ATTENDED/PAPER PRESENTED

CS4HS workshop "Computer Science Inspire Programme 2012 for empowering the teachers" an initiative programme sponsored by Google to promote Computer Science and Computational Thinking in high school curriculum, 2012.

- *Overview of the Internet & Mobile Technologies – Basics; Definition; Architecture & Tools*

The Nigerian Institute of Building, Abuja, FCT, 2010

- *Foam Concrete Production Technology in Capacity Building for Nigeria’s infrastructural Development, 2010.*

Executive weekend Computer Training at Covenant University, Ota, 2009:

- *Computer Configurations and Types*
- *Email Etiquette*

Basic Weekend Computer Training at Covenant University, Ota, 2009:

- *Uses and Applications of the Computer*
- *The Internet Applications*
- *The Future trend of Internet*
- *The Internet History*

CONFERENCES ATTENDED IN THE PAST EIGHT YEARS

1. **Paper Presentation:** Four (4) papers presented at the 2016 International Conference on Computational Science and Computational Intelligence - International Symposium on Computational Intelligence (CSCI – ISCI '16) - conference series held in Las Vegas, Nevada | Dec 15-17, 2016, Las Vegas, USA.
2. **Co-Chair Session & Paper Presentation:** The 2nd Covenant University International Conference on African Development Issues (CU-ICADI 2015), Covenant University, Ota, Ogun State, Nigeria.
3. **Co-Chair Session & Paper Presentation:** The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'14) annual summer conference series held in Las Vegas, Nevada, USA (July 21-24, 2014), Computer and Hardware (SAM' 14).
4. **Co-Chair Session & Paper Presentation:** The 2014 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'14) annual summer conference series held in Las Vegas, Nevada, USA (July 21-24, 2014), Wireless Networks and Securities Issues.
5. **Co-Chair Session & Paper Presentation:** The 2013 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'13) annual summer conference series held in Las Vegas, Nevada, USA (July 22-25, 2013), Modeling, Simulation & Visualization Methods (MSV'13), Simulation and Numerical Methods (MSV'13), & Virtual Reality, Graphics, Animation & Related Methods (CGVR'13)
6. **Paper Presentation:** The 24th National Conference “Towards a Cashless Nigeria: Tools and Strategies», the Research Consortium on Information Technology Innovations (RECITI) 2012, July 25 – Friday July 27, 2012
7. **Co-Chair Session & Paper Presentation:** The 2011 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'11) annual summer conference series held in Las Vegas, Nevada, USA (July 18-21, 2011), Modeling, Simulation & Visualization Methods (MSV'11), e-Learning, e-Business, Enterprise Information Systems, & e-Government (EEE'11), & Internet Computing (ICOMP'11)
8. **Co-Chair Session & Paper Presentation:** The 2010 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'10) annual summer conference series held in Las Vegas, Nevada, USA (July 12-15, 2010), Modeling, Simulation & Visualization Methods (MSV'10)
9. **Paper Presentation:** The International Conference on Managing Current Global Challenges: IT Strategies and Tools, MaCGlobe '09 Nigeria Computer Society, July 21st – 24th 2009, Abuja.
10. **Rapourtee:** The International Conference/Workshop on “Renewable energy and Climate Change Mitigation” Covenant University, 13th -17th, July 2009, Ota, Ogun State.
11. **Rapourtee:** The 5th Science and Technology Conference and the 4th Diaspora Day on “Bridging the Digital and Scientific Divides: Forging Partnerships with the Nigerian Diaspora”, 25th - 26th, July 2009, Abuja.
12. A Simulation Model for Determining Data Exchange Mode Analysis Network Influence, 16th Telecommunications forum TELFOR 2008, November 25th -27th 2008, Serbia, Belgrade.
13. **Rapourtee:** The 4th Science and Technology Conference and the 3rd Diaspora Day on “Bridging the Digital and Scientific Divides: Forging Partnerships with the Nigerian Diaspora” Tinapa Business Resort, 23rd - 27th, July 2008, Calabar, Cross River State.
14. **Project Presentation:** Research conference and fair of NUC, University of Lagos, Lagos, 26th – 28th, March 2008, Lagos.

ADMINISTRATIVE RESPONSIBILITIES IN COVENANT UNIVERSITY:

1. **Chair, of University ICT Committee, Covenant University, Ota, Nigeria, 2014 till date. My duties are:**
 - oversee the development and implementation of an ICT Strategy and policy framework for the College in furtherance of the University's aims and objectives;
 - coordinating strategic planning on ICT throughout the College, liaising with and where appropriate providing guidance and advice to University and its committees, general policy with regard to the operation of the IT network in the University,
 - considering and advising on all matters relating to information and communications technology,

- making, amending, and publishing regulations, subject to approval by Council, for the control, management, and security of the use of the University's ICT facilities;
2. **Dean, College of Engineering Covenant University, Ota, Nigeria, August, 2014 to July 2015. My duties are:**
 - Provide leadership, guidance or counsel in all College plans and operations.
 - Administers the College resources in ensuring compliance with various regulatory provisions as well as University and College policies and procedures.
 - Provide leadership in strategic planning in absolute tandem with the vision of the University.
 - Manage, collate and monitor College budget and resources.
 - Provides leadership and oversight for all academic programmes of the College.
 - Encourages and supports continuous improvement of programmes and curriculum;
 - Evaluates and approves all curricular changes.
 - Performs advisory responsibility in the recruitment, training and development of both staff and students of the College.
 - Represents College in Management Board and other relevant for that has to do with the growth and development of the College.
 - Serves as College advocate and spokesman at academic, social and public functions and promotes community service activities of the College
 - Administers research programmes and grants; plan and report research activities.
 - Any other duty that may be assigned from time to time by the Vice Chancellor, the Management and Senate.
 3. Member of the University Senate.
 4. Member of the staff Disciplinary Committee.
 5. **College Appointment and Promotion Committee, Chairman, Covenant University, Ota. August, 2014 to date. My duties are:** The College Appointment and Promotion Committee among other things is charged with the responsibility of considering the application of Faculty in the College recommended for promotion from the Departmental A & PC and making appropriate recommendations to the Central Appointments and Promotion Committee. The body consists of the Dean, Deputy Deans, Heads of Departments (not below the rank of Senior Lecturer) and all Professors in the College.
 6. **College Research and Postgraduate Committee, Covenant University, Ota, Nigeria, 2014 till 2015. My duties were:** To undertake current evaluation of various research and publications from submissions and applications of Faculty in College of Engineering, To process the various submissions to University Central Research Committee, To determine possible areas of research for University sponsorship, To carry out appropriate evaluation of publication, monographs and related document presented by Faculty, To make appropriate recommendation on Research of National and International interest for Faculty, To evaluate and recommend appropriate financial requirement of Faculty to the University CUCERD for recommendation to the University Management, To carry out other activities relating to Research and Publication from the Director of CUCERD and all other functions as may be referred by the Dean, College of Engineering.
 7. **HOD, Department of Electrical and Information Engineering, Covenant University, Ota, Nigeria, October, 2012 to August, 2014. My duties were:**
 - Serve as the Chief Academic/operating Officer of the Department by developing a plan to achieve academic excellence;
 - Oversee the implementation of all the administrative and academic plans of the university Senate, Management or Board as it concerns the Department;
 - Collate and coordinate Department's academic programmes, decision-making strategies and policy formulation and implementation processes;
 - Coordinate the academic activities of the Department including teaching, examinations, grading e.t.c. for the purpose of achieving stable and excellent academic culture and experience for the Department.

8. **Departmental postgraduate coordinator**, Department of Electrical and Information Engineering, Covenant University, Ota, Nigeria, 2008 to 2012. My duties are:
 - Liaising between supervisors and candidates;
 - Facilitating the processing of progress reports and completion reports;
 - Advising candidates on course structure, scholarship and research opportunities.
 - Attending to PG examination matters
9. **Member of University ICT Committee**, Covenant University, Ota, Nigeria, 2007 till date. My duties were:
 - development and implementation of an ICT Strategy and policy framework for the College in furtherance of the University's aims and objectives;
 - coordinating strategic planning on ICT throughout the College, liaising with and where appropriate providing guidance and advice to University and its committees, general policy with regard to the operation of the IT network in the University,
 - considering and advising on all matters relating to information and communications technology,
 - making, amending, and publishing regulations, subject to approval by Council, for the control, management, and security of the use of the University's ICT facilities;
 - considering, and advising on the strategic development of management information systems in the University in so far as they concern ICT, including the ICT components of management information projects and the relationship of such projects to the University's ICT strategy and ICT infrastructure.
10. **Departmental Seminar coordinator**, Department of Electrical and Information Engineering, Covenant University, Ota, Nigeria, 2007 to 2008.
 - Developed an overall plan for seminars over the session. This plan was based on the identified needs in the area of research in our department and the community;
 - program management;
 - Publicizing the seminars and speakers to all the departments in the College;
 - Ensuring that seminar documents are available for the audience.
11. **Academic/Level adviser since 2007 to date.**
 My role as an academic advisor is based on the institution's mission and goals as well as theories from education, humanities and social sciences. My duties are:
 - to guide students through the world of academia and help them choose the best classes for their needs;
 - help the students to choose the courses that will best help them fulfill their academic goals;
 - attend to registration issues;
 - assist students in identifying appropriate University resources and upholding academic standards;
 - clarifying programmes requirements, policies and procedures.
12. **Organizing committee Member of International Conference and Workshop on Third Generation (3G) GSM and Mobile Computing: an Emerging Growth Engine for National Development**, Covenant University, 2007.
13. **Member Interview panel for employment CU**, 2010.
14. **Member e-learning committee of Covenant University**, 2011.
15. **Editor**, proceedings of International Conference & Workshop on 'eieCon2012' Computing, Energy, Networking, Robotics and Telecoms (CENeRT), 3–5 October, 2012, Covenant University, Ota, Nigeria.
16. **Chair Publicity and sponsorship committee of eieCon 2011 & 2012**, conference organizing committee, Covenant University, Ota.
17. **Appointment and Promotion Committee member of EIE Department**, 2011.
18. **A member of Covenant University Student Aptitude screening (CUSAS) team for admission of student (severally).**

OTHER RELEVANT INFORMATION

1. A member of **COREN accreditation visitation team** to the Department of Electrical/Electronics Engineering, Caritas University, Amorji-Nike, Enugu State, November, 2016.
2. A member of Trustee **on the Board of RFID African Foundation**, FCT, Abuja, October, 2016

3. A member of **Editorial Board Member of Nigerian Institution of Electrical and Electronics Engineers (NIEEE) Technical Transactions**, Nigerian Society of Engineers (NSE), 2016.
4. A member of **Curriculum Development team for Engineering Programme**, Edo University, Iyamho, Edo State, October, 2016
5. A panel member for **NUC Resource Verification of Engineering Programme** at Gregory University, Uturu, Abia State, July, 2016. .
6. A member of **COREN accreditation visitation team** to the department of computer engineering, Olabisi Onabanjo University, Ibogun Campus, Ogun State, May, 2014.
7. A member of **COREN accreditation visitation team** to the department of computer engineering, Madonna University Enugu, Akpugo Campus, Enugu State, June, 2013.
8. Chairman, **COREN Syndicate Group** on the Review of Accreditation Scoring Criteria and Benchmark Minimum Academic Standard for Computer Engineering Programme, Rockview Royale, Abuja, May, 2013.
9. **Resource person to interview candidates** for academic staff positions, Michael Okpara University of Agriculture, Umudike, Umuahia, Abia State, Nigeria January, 2013.
10. A member of **COREN accreditation visitation team** to the department of computer engineering, Enugu State University of Science and Technology, Enugu, Enugu State, August, 2012.
11. A member of **COREN accreditation visitation team** to the department of computer engineering, Micheal Opara University of Agriculture, Umunike, Abia State, July, 2012.
12. A member of **COREN accreditation visitation team** to the department of computer engineering, University of Uyo, Uyo, Akwa Ibom State, May, 2012.
13. A member of **COREN accreditation visitation team** under NBTE to the department of computer engineering, Federal Polytechnics Ilaro, Ogun -State, April, 2012.
14. A member of **COREN accreditation visitation team** under NBTE to the department of computer engineering, Moshood Abiola Polytechnics Abeokuta, Ogun -State, April, 2012.
15. **Technical Paper Review & Chair of a Session** International Conference and Workshop on COMPUTING, ENERGY, NETWORKING & TELECOMMUNICATION (ieCon2011) Covenant University, Ota 13th to 15th of September, 2011, Ota, Ogun-State.
16. **Co-Chair of Sessions** on Visualization + Modeling + Design, Internet Computing: Evaluation & Analysis Issues, & Semantic Web + Tools & Applications + Knowledge Discovery + Ontologies the 2011 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'11), Annual Summer Conference, Las Vegas, Nevada, USA, July 18-22, 2011.
17. **Co-Chair of a Session** on Visualization + Modeling + Design Issues, the 2010 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'10), Annual Summer Conference on Modeling Simulation & Visualization Methods (MSV'10), Las Vegas, Nevada, USA, July 12-15, 2010.
18. **Technical Paper Review**, International Conference and Workshop on Software Engineering and Intelligent Systems (SEIS) 2010, *Covenant University, Ota 5th – 9tht, July 2010, Ota, Ogun-State.*
19. A member of **COREN accreditation visitation team** to the department of computer engineering of Obafemi Awolowo University, Ile-Ife, Osun-State, 2009.
20. A **rappporteur/communiqué** to the International Conference/Workshop on Renewable Energy and Climate Mitigation, Department of Physics, College of Science and Technology, Covenant University, Ota, Ogun State, Nigeria 13-17, July, 2009.
21. A **rappporteur** to the 4th Science and Technology Conference and the 3rd Diaspora Day, Tinapa Business Resort, Calabar, Cross River State, from 23-27, July 2008.
22. Departmental **postgraduate coordinator**, Department of Electrical and Information Engineering, Covenant University, Ota, Nigeria, 2008 to Date.
23. **Technical Paper Review & Chair of a Session** *International Conference and Workshop on “Third Generation (3G) GSM and Mobile Computing: an Emerging Growth Engine for National Development”*, Covenant University, Ota 29th – 31st, January 2007, Ota, Ogun-State.
24. **Editor to a journal**: Advances in Network and Communications, Human and Sciences Publication, (Rep. of Korea). <http://www.humanpub.org/>.

25. **Reviewer** to Journal of Communication and Computer, David Publishing Company, New York, USA.
26. **Designated Reviewer** to the 2012 IEEE Symposium on Wireless Telecommunications Applications (ISWTA2012), Malaysia.
27. **Designated Reviewer** for IET Networks, UK, <http://mc.manuscriptcentral.com/iet-net>, 2009 to date.

ACTIVITIES IN THE NIGERIAN IN DIASPORA ORGANIZATION:

1. President of the Information and Technology committee 2005 till 2013.
2. Web design and domain managing for NIDOE, Ukraine chapter 2006.

SCHOLASTIC HONOURS AND RESEARCH GRANTS:

- Recipient of the grant through **Nigeria Communication Commission (NCC)** for Research on “Implementation of Software-based Nomadic Base Station (NBS)”, 2014.
- Recipient of the **Federal Government of Nigeria Grant** through Educational Trust Fund (ETF) now Tertiary Education Trust Fund (TETFUND) for Research on “Communications, Computer Networking for Multipurpose Systems learning, 2011.
- Certificate of **Commendation**, National Youth Service Corps (NYSC), Oyo State, Ibadan, (1997).
- Certificate of **Merit/Honour**, Ibadan North Corpers Association, Oyo State, Ibadan, (1997).
- Recipient of the **Federal Government Scholarship** through the Bureau for External Aid, Federal Ministry of Education for Tertiary Institution tenable in the USSR(CIS) – 1988 – 1994.

HOBBIES:

Reading, Playing Chess and Football

NAMES AND ADDRESSES OF REFEREES:

Prof. O. M. Sadiq

Department of Civil & Environmental Engineering,
University of Lagos,
Akoka, Yaba, Lagos, Nigeria.
Email: sadiq_om@yahoo.com
Tel. Phone: +234 803 537 5691

Dr. Charles Ndujiuba

Department of Electrical & Information Engineering,
College Science & Technology,
Covenant University, Ota, Nigeria
Email: charles.ndujiuba@covenantuniversity.edu.ng
Tel. Phone: +234 805 795 5371.

Prof. Frank N. Okafor

Department of Electrical & Electronics Engineering,
University of Lagos,
Akoka, Yaba, Lagos, Nigeria.
Email: cfrankok@yahoo.com
Tel. Phone: +234 805 963 4488



Signature:

Date: 4th January, 2017.

Samuel Ndueso John, (PhD)

Professor, Computer Systems and Network Engineering
Covenant University, CoE,
Ota, Ogun State, Nigeria.
[(MIET, MCP, COREN), Chair ICT]
Tel. No.: +234 806 299 4678 or +234 807 242 1018

E-mail: samuel.john@covenantuniversity.edu.ng or johnsam8@hotmail.com

My University Profile: <http://covenantuniversity.edu.ng/Profiles/John-Samuel-Ndueso#.V6rB0PkrLIU>

Google scholar website: <https://scholar.google.com/citations?user=-njZKTwAAAAJ&hl=en>