**CURRICULUM VITAE EBEM Deborah(PhD)**

 **December,2017**

**EBEM Deborah Uzoamaka (PhD) **

**CAREER OBJECTIVES**

To pursue a career in computer science, computer engineering, telecommunication and ICT related disciplines for the benefit of humanity. My goal in life is to make impact both on the people in my immediate and global community.

University Academic,

Department of Computer Science,

University of Nigeria, Nsukka.

Rank: Senior Lecturer

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Tel:+2348052810722,+2348185171069

**1. Brief**

Dr. Ir.Engr.(Mrs) Deborah Uzoamaka Ebem is a native of Ugbo in Awgu Local Government Area of Enugu State. She was one of the pioneer students of the Department of Computer Science and Engineering at the then Anambra State University of Technology (ASUTECH), Nigeria. She received a B.Engr.(Second class upper division ,21) degree from ASUTECH and a postgraduate diploma in management from University of Nigeria, Nsukka. She also received master’s degrees in Computer Science and Engineering and Computer Engineering from Enugu State University of Science (ESUT) and the Technical University Delft, The Netherlands, respectively. She is a Dutch certified Engineer (Ir.). She further holds a PhD in Computer Science from Ebonyi State University, Abakaliki, Nigeria. At present, she is a Senior Lecturer in the department of Computer Science, University of Nigeria, Nsukka. From September, 2011 to December, 2011 she was a Research Fellow and Scholar at Massachusetts Institute of Technology, Cambridge USA.

Dr. Mrs. Ebem developed a mobile outdoor game for children while at Delft that is being commercialized. She is MIT Open Course Ware (OCW) and Google ambassadors.

Dr. (Mrs.) Ebem has published journal articles in both international and local journals. Deborah has published eight text books on Computer Technology for Nigerian secondary schools and for first year course introduction to computer science for colleges and higher institutions in Nigeria. The secondary school textbooks have been approved since 2006/2007 academic session for use in Enugu State. She is an apt teacher, having taught computer science and computer technology to different categories of people: primary, secondary tertiary and corporate organizations for two decades.

**2 PERSONAL DATA**

Name:  **Ebem Deborah Uzoamaka**

Date of Birth: **19/11/1968**

Gender:  **Female**

Town:  **Ugbo**

Local Govt. Area: **Awgu**

State of Origin: **Enugu State**

Nationality: **Nigerian**

Marital Status: **Married**

**3. Schools Attended with Years of Graduation**

|  |  |
| --- | --- |
| Delft University of Technology, The Netherlands. | 2009 M.Sc. (Computer Engineering) |
| Ebonyi State University, Abakaliki, Nigeria | 2007 Ph.D. (Computer Science (ICT Impact on Learning)) |
|  Enugu State University of Science and Technology (ESUT) | 2001 M.Sc. (Computer Science & Engineering)  |
| University of Nigeria, Enugu Campus | 1998 PGD Management |
| Anambra State University of Technology (ASUTECH). | 1991 B. Engr. (Second Class Upper 21) |
| Fed. Govt. Girl’s College Bakori, Kastina State | 1985 (West African Examination Certificate (WAEC)) |
| Afam-Maku Primary School | 1980 (First School Leaving Certificate) |

**4 Research Interests**

My researches are in the areas of ICT development, deployment and application, Perceptual Measurement of Speech Quality and Speech Intelligibility, development of Igbo Hearing in Noise Test(IHINT), Parallel Computing and Parallel Algorithm, Mobil Outdoor games, Network Architecture and Services, data communication networks, cybercrime, grid computing, Enterprise Resource Planning (ERP) and Artificial Intelligence.

**5 Current Research**

**Effect of Interruption Rate (Masking Release)**

In this experiment, we are exploring the effect of interruption rate on speech intelligibility. Specifically, we are using the Hearing in Noise Test (HINT) procedure with either the original HINT stimuli (English) or our own stimuli (Igbo). For a given noise level, the HINT test provides an estimate of the signal level required for 50%-correct speech intelligibility. This signal level (for 50%-correct intelligibility) changes depending upon the interruption rate of the noise. This phenomenon (called Masking Release) has been studied extensively in English. This experiment will explore and compare the phenomenon of Masking Release for (i) native English speakers listening to English, (ii) native Igbo speakers listening to English, and (iii) native Igbo speakers listening to Igbo. Since Igbo is a tonal language and English is a non-tonal language, this will allow us to compare Masking Release patterns on native speakers of tonal and non-tonal languages.

**6 Public Lectures/Seminar**

|  |  |  |
| --- | --- | --- |
| Date  | Topic | Place |
| 10/7/2015 | 21st Century Survival Kit | Air Force Comprehensive School Agbani Enugu |
| 12/3/2014 | MIT Open Course Ware(OCW),As a model for use in Academia | Federal School of Dental Technology, Trans Ekulu Enugu |
| 27/5/2013 | MIT Open Course Ware(OCW),As a model for use in Academia | Godfrey Okoye University Emene Enugu |
| 20/3/2013 | MIT Open Course Ware(OCW), as a model for use in Academia | University of Uyo |
| 13/10/2012 | X-Raying the New Computer Science Curriculum for Secondary Schools in Nigeria - Balancing Contents,Teaching & Practices | University of Ibadan. |
| 14/11/2011 | Job Prospects for Nigerians in Diaspora. | Massachusetts Institute of Technology |
| 7/11/2009 | Enhancing Industrial, Academia and Government Collaboration in Nigeria | University of Nigeria, Nsukka |
| 8/9/2008 | Reasons why Africa is not Developing. | Technical University, Delft, The Netherlands |

**7 International Research Centres Affiliations**

1. 2008 till Date The Netherlands Organization for Scientific Research

TNO, NL -2600 GB Delft, The Netherlands

1. Network Architecture and Services Group

Telecommunication Department

Technical University Delft, The Netherlands.

1. Nov 2011: The Sensory Communications Group

Of the Research Laboratory of Electronics,

Massachusetts Institute of Technology,

Cambridge USA

**8 Consultancy Outfit**

Principal Consultant

Amaka Services Nigeria

10 Ikpeze Close,

Trans Ekulu Enugu

Enugu State Nigeria

Executed Consultancies and Training for the following co-operate bodies

1994- 2002 Enugu State Agricultural Development (ENDAPEP)

2003 till date Emenite Ltd Emene Enugu (In house computer training for the staff)

1993- 2001 Golden Investment Nigeria Ltd, 119 Agbani Rd

1991- 1995 Paks Micro –International Ltd , 67 Ogui Rd, Enugu , Nigeria.

**9 National Assignment**

April 1992-April 1993 National Youth Service Corps (NYSC), Enjema Community Grammar School Enjema Koji State Nigeria.

2002-2003 LTA for Enugu South Local Government for the National ID card project. Worked for Sagem the French company that handled the project.

**10 Awards and Distinctions**

28th September, 2016 iSTEAMS Research Nexus: Distinguished Personality Award of Excellence for contributions to international research initiatives. University of Ilorin, Ilorin Nigeria.

7th June,2014 Corporate & Media Africa Communications LTD *distinguished Leadership in National Development* ***GOLD AWARD*** *(*D’LINGA). In recognition for my contribution to the development of Computer Science & Higher Education in Nigeria.

31st May,2014 iSTEAMS Research Nexus: for my support and contributions to the development and practices of multidisciplinary Research through the iSTEAMS Research Nexus Conferences

April 2012 Google

Co-Awarded the Google Computer Science for High Schools Grant with Dr Longe Olumide for training computer science teachers at secondary school level in Nigeria

Nov 2010: The Massachusetts Institute of Technology International Science and Technology Initiative for Empowering the Teachers Fellowship(MISTI),

May 2007: The faculty of EEMCS of the Technical University Delft scholarship for an MSc program for 2007 to 2009 session

June 1998: Graduate Assistant at Department of Computer Science, Enugu State University of Science and Technology.

March 1983: Federal Government of Nigeria scholarship for outstanding academic performance.

**11 Professional Affiliations**

Member Nigeria Computer Society (Membership Number:**08849**)

Member IEEE.org (Membership Number:**90414692**)

Member IEEEorg signal Processing

Member IEEE.org Computer Society

**12 Associate and Affiliate Teaching /Research Commitments**

|  |  |  |
| --- | --- | --- |
| 1/5/2017- Till Date | Deputy Director | SAP UNN |
| 22/7/2015- Till Date | Co-ordinator | UNN-ADAPTI Training |
| 1/5/2017 | Assistant Co-ordinator | UNN SAP Certification |
| October 2014-May 2015 | Online Facilitator | UNN Distance Learning Programme |
| 2014 | Adjunct Associate Professor | Renaissance University,Enugu |
| 2007 | Adjunct Senior Lecturer | Ebonyi State University, Abakaliki |
| October 2012-Date  | Adjunct Senior Lecturer | Department of Maths/Computer Science Godfrey Okoye University, Enugu |
| November 2012-30th October 2014 | PG Coordinator  | Department of Computer Science, UNN |
| November 2012-30th October 2014 | Faculty PG Representative | Department of Computer Science, UNN |
| April 22,2013-30th October 2014 | Departmental Seminar Coordinator | Department of Computer Science, UNN |
| May 2014-Date | External Examiner | Department of Computer Education Enugu State College of Education Technical Enugu |

**13 Summary of Achievements**

16th-18th May,2017 Visiting Scientist Franhour Institute of Integrated Circuits(FII) Erlangen Germany (The home and lab of MP3)

19th -23th May,2017 Panelist at the 142 Audio Engineering Convention 2017 at Berlin Germany.

10th-18th December,2016 SAP ERP certified

10th July,2015 Guest Speaker “21st Century Survival Kit”,9th Graduation Ceremony and 12th Speech & Prize Giving Day at Air Force Comprehensive School Agbani Enugu.

March 12th,2015 Keynote Address” Beyond Facebook - Leveraging on Social Media for Productive Collaborations Between Practitioners and the Academia in Nigeria.” at iSTEAMS conference at University of Ilorin, Kwara State, Nigeria.

September 30th,2014 Keynote Address: “Local Content Development in Nigeria-A Female Scholar’s Perspective” at iSTEAMS conference at Auchi Polytechnic, Edo State Nigeria.

May 29th ,2014 Keynote Address: “Local Content Development in Nigeria-A Female Scholar’s Perspective” at iSTEAMS conference at Afe Babalola University Ado Ekiti, Ekiti State Nigeria.

March 12th,2014 Guest lecturer Federal School of Dental Technology Enugu, Nigeria.

“MIT Open Course Ware(OCW), as a model for use in Academia.”

May 27th,2013 Guest lecturer Godfrey Okoye University Emene Enugu, Nigeria.

“MIT Open Course Ware(OCW), as a model for use in Academia.”

March 20th, 2013 Guest lecturer University of Uyo, Nigeria.

“MIT Open Course Ware(OCW), as a model for use in Academia.”

November 2010 I was selected by Massachusetts Institute of Technology (MIT) as Research Fellow and Scholar for The Empowering the Teacher Programme (http://www.mit.edu/empowering)

May 2007 I was selected by the Faculty of Electrical Engineering, Mathematics and Computer Science Technical University Delft, The Netherlands for the award of African Scholarship for 2007 to 2009 Academic year.

August 2008 Designed and developed a mobile outdoor interactive game for primary school pupils in the Netherlands that have been commercialized.

September 2008 - Validated Perceptual Objective Quality Assessment (POLQA) which is

June 2009 standardized by International Telecommunication Union(ITU) on the African

 tonal language IGBO.POLQA is a universal wideband/super wide band (50-14000

 Hz) speech quality measure. From the results we have published two papers in

 international journals. Ebem et al “The Impact of Tone Language and Non-Native

 Language Listening on Measuring Speech Quality” J.Audio Eng.Soc.,Vol.59,

 No.9,2011 September. Ebem et al “Validating Perceptual Objective Listening

 Quality on the tonal Language Igbo”, African Journal of Computing and ICT.www.ajocict.net

September 2008 Constructed and recorded four hundred (400) Igbo speech database with two

 male and two female speakers at the acoustic laboratory of Technical University

 Delft, The Netherlands.

 **14 Taught Courses Competency**

1. SAP ERP
2. Management Information System
3. Introduction to Computer Science
4. Operations Research
5. Software Engineering
6. Database Design and Management
7. Systems Analysis and Design
8. Computer Hardware Maintenance
9. Artificial Intelligence
10. Expert System
11. Discreet Structures and Discreet Algorithm
12. Data Structures
13. Parallel Computing and Parallel Algorithm
14. Programming Languages: C, C++, Python, Java, Pascal, BASIC, HTML
15. Computer Applications
16. Organization of Programming Languages
17. Software Design and Management
18. Data Structures and Data Management
19. File Processing
20. Data Communication Networks
21. Structured Programming

**15.Presentations and Exhibitions**

Nov 19-22, 2012 National Education Exhibition Old Parade Ground Abuja, Nigeria

1. Ebem,D.U.et al “Development of Igbo Hearing in Noise Test (IHINT)”

pg 12,entry 12

1. Ebem,D.U “Multimedia Based Pedagogy on Mathematics in Senior Secondary Schools –The case of Enugu State ”.pg 54,Entry 47.

Nov 22-26, 2010 Nigerian Universities Research &Development Fair (NURESDEF)

University of Nigeria, Nsukka.

1. Deborah U.Ebem, John G. Beerends, Christian Schmidmer, Jeroen van Vugt and Robert E. Kooij & Joy O.Uguru “The Impact of Tonal Language on Measuring Speech Quality” pg 46,Entry 86.

**16 Skills and Qualifications**

I have good presentation skills and an excellent research skill. I have five degrees and the wealth of knowledge I have acquired over the years has helped in moving my career forward.

**17 Working Experience**

1. October 2012 till date : **Senior Lecturer**  Department of Computer Science University of Nigeria, Nsukka.
2. May 2017 till Date: Secondment to SAP Education Programme UNN as a deputy director.
3. November 2014 till Date: Secondment to Distance Learning Programme of UNN as an instructor to the online lecturers.
4. September 2011-till date , **Research Fellow and Scholar**, MIT, Science and Technology Initiative(MISTI), Massachusetts Institute of Technology, USA.
5. September 2008 – June 2009 MSc graduation thesis at TNO-ICT. Validated Perceptual Evaluation of Speech Quality (PESQ – ITU-T Recommendation P.862.2) and Perceptual Speech Quality Measurement 2010 (PSQM 2010) on the tonal language Igbo.
6. July 2008 – September 2008 **Internship** at TNO-ICT. Designed and developed an interactive mobile out door game for primary school pupils in the Netherlands. The said game has been commercialized.
7. July 2004-March 2006:**Lecturer II** Department of Computer Science Ebonyi State University, Abakaliki.
8. August 2001-June 2004 **Part-Time Lecturer** Federal University of Technology Owerri.
9. May 1998 – July 2001 **Graduate Assistant** at the Department of Computer Science and Engineering Enugu State University of Science and Technology.
10. April 1993-April 1998 **Lecturer III** at the Department of Computer Science I.M.T. Enugu.
11. April 1992 – April 1993 **National Youth Service Corps (**NYSC) at Enjema Community School Enjema Kogi State.

**18 Publications and Creative Works**

**A Journal Articles**

* 1. **Joy O.Uguru, John G. Beerends and Deborah U.Ebem** (2017) **“**Recognition of Indigenous and Foreign Speech in a Noisy Classroom: A case of Primary School Pupils” Building Acoustics 2017, Vol. 24(4) 255–279 www. journals.sagepub.com/home/bua **SCImago Journal Rank (SJR =0.26 )**
	2. **Deborah U.Ebem**, Joseph C.Onyeagba, Geraldine E.Ugwuonah (2017). Internet Banking: Identity Theft and Solutions- The Nigerian Perspectives.Journal of Internet Banking and Commerce, August 2017,vol.22, no.2 .http://.icommercecentral.com **SJR =0.16) SCImago**
	3. **Deborah U.Ebem**(PhD)1, Joseph G.Desloge (PhD)2, Charlotte M.Reed (PhD)2,Louis D.Braida (PhD)2 & Joy O.Uguru (PhD)3 (2013).”Masking Release for Igbo and English”,Afr.J of Comp & ICT.Vol.6.No3, Sept.2013, [www.ajocict.net](http://www.ajocict.net). **Index Copernicus IF = 5.09 (2015).**
	4. **D.U.Ebem** (2012) Multimedia- Based Pedagogy on Mathematics in Senior Secondary Schools- A case Study of Enugu State, Nigeria. Afr J Comp & ICT .Vol5.No.2, pg29-32.www.ajocict.net. **Index Copernicus IF = 5.09 (2015).**
	5. Longe, O.B, Danquah, P.& **Ebem, D.U.**(2012).”Deindividuation , Anonymity an Unethical Behavior in Cyber Space- Explorations in the Valley of Digital Temptations”.vol.16, issue 3 No.1. [http://cis.uws.ac.uk/research/journal/index.html. Computing](http://cis.uws.ac.uk/research/journal/index.html.%20Computing) and Information System Journal University of the West Scotland.
	6. **D.U. Ebem** & O.B. Longe (2011). Validating Perceptual Objective Listening Quality Assessment Methods on the Tonal Language Igbo.Afr J Comp & ICT. Vol 4. No. 3,pg 15-21 . [www.ajocict.net](http://www.ajocict.net/)  **Index Copernicus IF = 5.09 (2015).**
	7. **Deborah U.Ebem**, John G.Beerends, Christian Schmidmer, Robert E.Kooij & Joy O.Uguru(2011) ”The Impact of Tone Language and Non**-**Native Language Listening on Measuring Speech Quality’’, Journal of Audio Eng.Soc.vol.59,No 9,pg 647-655,September 2011.www.Journal of Audio Engineering Society. **IF= 1.123.**SCImago Journal Rank (**SJR = 0.55 (2014)) Country United States of America. Thompson Reuters Impact Factor =1.12 www.aes.org/e-news/2015/Jun3** 2016 journal citation reports (Thompson Reuters 2015).xlsx (CH 8172) pg 207 of 306 30/1/2018
	8. O.E.Oguike ,M.N.Agu,**D.U.Ebem**,S.C.Echezona,H.O.D. Longe,O.Abass(2011)

“Performance Metrics of Heterogeneous Distributed Memory Parallel Computer System using Recursive Memory Models.” International Journal of Simulation Systems Science and Technology. Vol 12,No 4.SCImago Journal Rank **(SJR = 0.1 (2012)) Country United Kingdom**

* 1. O.E.Oguike, M.N.Agu, S.Echezona & D.U.Ebem (2011) “Performance of Compute Intensive Applications of Distributed Memory Heterogeneous Parallel Computer System Using Analytic Recursive Models. International Journal of Simulation Systems Science and Technology. Vol 12,No 5.Pg 34-41**.** SCImago Journal Rank **(SJR = 0.1 (2012)) Country United Kingdom.**
	2. O.E.Oguike, **D.U.Ebem**, M.N.Agu , S.C.Echezona, H.O.D Longe & O.Abass(2010) “Evaluating the Performance of Shared Memory Parallel Computer System Using Recursive Models”, International Journal of Simulation Systems, Science & Technology vol.11,No.6,pg 33-39. SCImago Journal Rank **(SJR = 0.1 (2012)) country United Kingdom.**
	3. **D.U.Ebem** & H.C.Inyiama, (2005)” Alternative Learning System for the Nigerian Child: The Multimedia Learning System ”Journal of Information, Communication and Computing Technologies(JICCOTECH) pages 140-145,2005.A publication of ICT/Research Centre,Ebonyi State University, Abakaliki Nigeria.
	4. H.C.Inyiama **& D.U.Ebem**(2005) “Developing Academia and Industry Collaboration Process for Nigeria”, Journal of Information, Communication and Computing Technologies(JICCOTECH) pages 128-134,2005.A publication of ICT/Research Centre, Ebonyi State University, Abakaliki Nigeria

**B Referred Conference Proceedings**

1.Ogbasi P. A., **Ebem D. U.**(2017).”Change Management for ERP Implementation: Case Study of Shell

 Petroleum Development Company Nigeria Limited.*Proceedings of the iSTEAMS Multidisciplinary Cross-Border Conference, University of Ghana, Legon.www.isteams.net pp137-148*

1. Peters, Yemi, Ibrahim, Yahaya Lawal, **Ebem,D.U.(2014)** “Acceptance of Online Product/Services Marketing in Nigeria”,International Conference on Science, Technology, Education and Social Sciences (iSTEAMS) Research Nuxus Conference, Afe Babalola University, Ado Ekiti, Nigeria. www.iiste.org
2. O.E.Oguike,M.N.Agu,S.C.Echezona, **D.U.Ebem** ,”Modeling Performance of Compute Intensive Applications of a Parallel Computer”. Second International Conference on Computational Intelligence, Modeling and Simulation 2010,pages 507-512,www.ieee.org,ieee computer society.**Publisher IEEE**
3. **Deborah U.Ebem**, Joseph G.Desloge, Charlotte M.Reed, Louis D.Braida & Joy O.Uguru,”Masking Release for Igbo and English Using Hearing in Noise Test (HINT),iSTEAMS Research Nexus 2013, University of Ibadan, Nigeria, 30th May- 1st June,2013.
4. O.E.Oguike,M.N.Agu,S.C.Echezona,**D.U.Ebem**, “Evaluating the Performance of Parallel Computer System using Recursive Models”.UKSim Fourth European Modeling Symposium on Computer Modeling and Simulation .November 2010,pages 471-476,www.ieeexplore.ieee.org/xpl/login.jsp, ieee computer society. **Publisher IEEE**
5. O.E.Oguike,M.N.Agu **, D.U.Ebem**, S.C.Echezona,H.O.D Longe & O.Abass “Evaluating the Performance of Heterogeneous Distributed Memory Parallel Computer System Using Recursive Models”,2011. Second International Conference on Intelligent Systems, Modeling and Simulation pages 386-391 2011 IEEE,www.ieee.org.,ieee computer society. **Publisher IEEE**
6. O.E.Oguike, **D.U.Ebem**, M.N.Agu , S.C.Echezona, H.O.D Longe & O.Abass “Performance Metrics of Compute Intensive Applications of a Single Processor Computer System”IEEE Asian Modeling Symposium 2011, Fifth Asia International Conference on Mathematical Modeling and Computer Simulation, Kuala Lumphur 23 -27 May 2011 pp:243-247.**Publisher:IEEE**
7. O.E.Oguike,D.U.Ebem, M.N.Agu, S.C.Echezona,H.O.D.Longe,O.Abass “Performance of Heterogeneous Parallel Computer System with Distributed Memory Using Analytic and Simulation Techniques” cicsyn, pp.126-131,July 2011 Third International Conference on Computational Intelligence, Communication Systems and Networks, 2011 .<http://doi.ieeecomputersociety.org/10.1109/CICSyN.2011.37> **Publisher: IEEE**
8. O.E. Oguike, S.C. Echezona, M.N. Agu, **D.U. Ebem**, H.O.D. Longe, and O. Abass
9. “Modeling Variation of Performance Metric of Distributed Memory Heterogeneous Parallel Computer System Using Recursive Models” 2011, Third International Conference on Computational Intelligence, Modelling & Simulation CIMSim pp373-378 <http://www.computer.org/portal/web/csdl/abs/proceedings/cimsim/2011/4562/00/4562toc.htm>
10. **IEEE Transactions on Parallel and Distributed Systems (TPDS) Thompson Reuters 2013 Journal Citation Reference(JCR), TPDS = 2.173**

**Unpublished works:**

1. Ebem, D.U. “Mobile Interactive Outdoor Game for Primary School Pupils in the Netherlands”. September, 2008.
2. Ebem,D.U. M.Sc. “Industrial Information System for Nigeria (INFORWEB)” ,June, 2001
3. Ebem D.U. “Career Choice Patterns for School Leavers”, A case study of The School of Business Studies Akanu Ibiam Federal Polytechnic Unwana. April 1998.
4. Umegbo, D.U. Computer Aided Savings Account System, August 1991.
5. **Umegbo,D.U** ,An Industrial Training report submitted to the Department of Computer Science and Engineering (ASUTECH), August 1989.

**Workshops**

1. SPSS version 23, 12 -16th June, 2017 by Digital Bridge Institute.
2. SAP ERP Train the Trainer workshop 11-15th December,2016 at Kwame Nkrumah University of Science and Technology, Kumasi Ghana. At the end of the training, we took an exam and I was successful. I am SAP ERP certified and my university is now a member of University Alliance (UA).
3. Nigerian Network Operators Group (NgNOG) 2016 Workshops 30th October, 4th November 2016 at Hotel Reno Plot 1068 Katampe Main District by Gishiri Junction Abuja, FCT.
4. Computer Science/ Information Technology Research and Development powered by Nigeria Computer Society(NCS) 11-13th October,2016 at University of Nigeria, Nsukka
5. Nigerian Network Operators Group (NgNOG) 2015 Workshops 30th October,4th November 2015 at University of Nigeria, Nsukka. Enugu State Nigeria.

**19 Referees**

1. Prof F.C.Eze

The Registrar,

Godfrey Okoye University,

Emene Enugu.

Phone: 08033233367

1. Prof H.C.Inyiama,

Department of Electronics Engineering,

Nnamdi Azikiwe University,

Awka.

Phone:08034701121

1. Prof O.B.Longe,

Department of Computer Science,

Adeleke University Ede,

Osun State.

 Phone: 08024071175

1. Prof Kazeem Gbolodage

Kwara State University,

Malete .

0810 966 8798

1. Prof Godfrey Udo

University of Uyo,

Akwa Ibiom State.

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