

CURRICULUM VITAE

Ojwang Dan Ochieng

PERSONAL INFORMATION:

Date of birth:	11-7-1978	Postal Address:	P.O.Box 43844-00100, Nairobi
Gender:	Male	E-mail:	ojwang.dan@ku.ac.ke
Marital status:	Married	Tel:	Ext. 3577
ID Number:	20720468		
Nationality:	Kenyan	Religion:	Christian
Languages:	English, Kiswahili and French		

CAREER OBJECTIVE:

A challenging career with an established and progressive organization, stretching my engineering capabilities and sharpening my interpersonal skill, allowing me to upgrade my education and utilize my knowledge and skills.

ACADEMIC QUALIFICATIONS:

- **MSC. (Electronic & Electrical Systems)**-ESIEE PARIS in collaboration with the French South African Institute of Technology (FSATI), Republic of South Africa -2011
- **MTECH. (Electrical Engineering(Telecommunication Option))**- Tshwane University of Technology, Republic of South Africa-2011.
 - **Dissertation Title :** Power control for video transmission over wireless mesh networks
 - Graduated with cum laude (distinction)
- **BSC. (Computer Science and Engineering)** - Maseno University, Kenya -2002 graduated with 2nd Class Honours (Upper Division)

PROFESSIONAL AND WORK EXPERIENCE:

- **June 2015-Current – Assistant Lecturer**
 - Kenyatta University-School of Engineering, Department of Computing and Information Technology

- **Duties:**
 - Supervision of student projects
 - Lecturing: Electronics, Digital Electronics, Computer Architecture, Management Mathematics and Introduction to Logic.
- **July 2015- to date- Departmental Examinations coordinator- Kenyatta University**
 - **Duties:**
 - Coordinating examinations process in the department
 - Ensuring that all examinations are set and processed in time
 - Ensuring proper safe keeping of all examination records within the department
- **Sept 2011 – June 2015 Assistant Lecturer**
 - Kenyatta University-School of Engineering, Department of Electrical and Electronic Engineering
 - **Duties:**
 - Supervision of student projects
 - Lecturing: Digital Signal Processing, Digital Electronics I & II, Computer Networks, Electrical Engineering I & II, Circuit Theory I and Systems Reliability.
- **March 2012- June 2015- Departmental Examinations coordinator- Kenyatta University**
 - **Duties:**
 - Coordinating examinations process in the department
 - Ensuring that all examinations are set and processed in time
 - Ensuring proper safe keeping of all examination records within the department
- **Feb 2011-September 2011: Kenyatta University**
 - Part time Lecturer in the Department of Electrical and Electronic Engineering. Lecturing: Digital Signal Processing, Digital Electronics I & II,
- **2009: Student Assistant**, Department of Electrical Engineering, Tshwane University of Technology.
 - **Duties:**
 - Drawing laboratory classes
 - Supervising laboratory classes
 - Tutoring
 - Marking of undergraduate exams
- **Oct. 2002 – April 2003: Interworld College for Cultural Exchange and Tourism –Tutor computer department.**
 - Courses taught: HTML, Introduction to computers, Visual Basic, PC Maintenance and Basic computer applications

RESEARCH INTERESTS:

- Image Processing
- Network Performance.
- Mobile ad hoc networks
- Wireless Mesh Networks (WMNs)
- Video transmission over WMNs.
- Power control in WMNs

ADDITIONAL RESEARCH PROJECTS:

- **Embedded System Project-** Design of a vending machine controller using VHDL
- **Scientific Computing Project-** Self balancing binary search trees
- **High Frequency Systems Project-** Simulation of a 2.4 GHz patch antenna
- **Real Time Signal Processing Project-** Reed Solomon Encoding

OTHER CERTIFICATIONS:

- Certificate in Beginners French language- Alliance Française, Pretoria RSA, 2009
- Certificate in Research Methodology- Tshwane university of technology, Pretoria RSA, 2008
- Certificate in Leadership Development- Mt. Kenya School of Adventure (Marania Base Camp), 2005

COMPUTER SKILLS:

- **Programming Languages:** Java, Visual Basic, C and C++
- **Simulation Tools:** Ns-2, MATLAB, VHDL, Simulink, AutoCAD
- **Platforms:** Ms Windows, Linux, Unix
- **Technologies:** WiMax, WiFi

PUBLICATIONS:

- Dan O. Ojwang, Elmarie Biermann and James O. Oyedapo, “Power Control for Video Transmission over Rural Wireless Mesh Network” in *Proceedings of Southern Africa Telecommunication Networks and Applications Conference 2009 (SATNAC 2009)*, 29th August – 2nd September 2009, Royal Swazi Spa, Swaziland.
- D.O. Ojwang, P.O. Adar, J.M. Okech, F.O. Aron and A. Kurien, “Dynamic Power Control for video packets in Rural Wireless Mesh Networks” in *Proceedings of the Annual Strathmore University ICT Conference 2010*, 4th August, Strathmore University, Kenya.
- Power Control for Video Transmission over Wireless Mesh Networks- Masters Dissertation

REFEREES:

Mr. James Mwita

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