

# ***CURRICULUM VITAE***

***Robert Wambugu Rukwaro, PhD.***

P.O. Box 30197-00100, Nairobi (Office)

Tel: 254-2-2729700

P.O. Box 42277, Nairobi

0733845428

0722259051

Email: rukwaro@uonbi.ac.ke

## ***1. BACKGROUND***

---

Date of Birth : November, 17<sup>th</sup> 1960

Place of Birth : Nakuru District

Sex : Male

Marital Status : Married

Religion : Christian

Nationality : Kenyan

Occupation : Senior Lecturer, Department of Real Estate and Construction Management

Profession : Architect

## ***2. EDUCATION***

---

University of Nairobi P.O.Box 30197-00100, Nairobi.

1992-1997 - Doctor of Philosophy (Architecture) Thesis Title: "*Kenyan Maasai Architecture in a Changing Culture*". Research area includes Contemporary and Traditional Maasai Architecture, Construction Technology and Culture Changes.

1988- 1992 - Masters of Arts (Building Management) Thesis Title: "*Influence of Architectural Design Parameters on Maintenance Costs of Building Services in Office Buildings in Nairobi City*". Research area includes maintenance, maintenance costs, building engineering services, principles of architecture and design parameters in architecture.

1983 – 1988 - Bachelor of Architecture; Thesis Title: "*Architectural Design Determinants for Adult Education Centers in Kenya*". Research area includes behaviour pattern, educational context and spatial definition for adult learners.

Njiris High School, P.O.Box 555, Thika

1980-1981 K.A.C.E

1976-1979 E.A.C.E

Kigogo-ini Primary School, P.O. Box 119, Nyeri

1969-1975 C.P.E

### ***3. MEMBERSHIP OF PROFESSIONAL BODIES***

---

- 1992- To Present Registered Architect with Board of Registration of Architects and Quantity Surveyors. Involved in examining the Architects and Quantity Surveyors candidates for professional examination.
- 1993 – To Present A Corporate Member of Architectural Association of Kenya (MAAK).
- 2005 - To Present Lead Environmental Impact Assessment/Audit Expert for National Environment Management Authority
- 2006 – To Present A member of Curriculum Accreditation Sub-committee of Commission for Higher Education.
- (i) Evaluated Nairobi Institute of Technology Diploma Curriculum in Architecture (8/3/2006)
- (ii) Inspected and Verified Resources of Nairobi Institute of Technology (29/5/2006)
- (iii) Assessments and the cost estimates of upgrading the following institutions:
- Taita Taveta Campus of Jomo Kenyatta University of Agriculture and Technology.
  - Kimathi University College of Jomo Kenyatta University of Agriculture and Technology.
  - Mombasa Polytechnique College of Jomo Kenyatta University of Agriculture and Technology.

### ***4. AWARDS FOR EDUCATION PROGRAMME AND SCHOLARSHIP***

---

- 1991-1994 DAAD Fellowship for Doctorate Studies
- Feb- Jul.1994. DAAD Sponsored Academic visit to Karlsruhe University–Germany
- 1998- 1990 University of Nairobi Scholarship for Masters of Arts in Building Management

## **5. TEACHING AND RESEARCH EXPERIENCE**

---

Department of Real Estate and Construction Management,

*University of Nairobi- P.O.Box 30197 Nairobi*

27<sup>th</sup> June, 2000 - To Present **SENIOR LECTURER**

### **(i) Teaching and counseling of the undergraduate students undertaking:**

- (a) Bachelor of Arts in Building Economics, Land Economics and Construction Management. The course units taught are; Introduction to Architectural Design and Drawing, Technical Drawing, Building Science, History of Construction, Architectural Communication, Construction Technology and Research Projects, Organised academic trips.
- (b) Bachelor of Arts in Planning. The course units taught are ; Building Design and Development; and Site Neighbourhood studio.
- (c) Bachelor of Science in Civil Engineering. The course unit taught is Civil Engineering Management.

### **(ii) Teaching and Counseling of the Postgraduate students undertaking:**

- (a) Masters of Arts in Construction Management. The course units taught are; Construction Technology, Research Methodology, Principles of Management, Material Management, Ergonomic in Construction Management, and Human Resource Management.
- (b) Master in Arts in Planning; The course unit taught is; Rural Planning.

### **(iii) Supervision of Doctorate of Philosophy Students.**

- 15<sup>th</sup> Feb. 2007 – Ongoing Yusuf Hazara Ebrahim Ph.D Thesis entitled: “*Micro-Temperature and Relative Humidity change in Relation to Urban Development*”
- 30<sup>th</sup> June 2006 – Ongoing Charles Dadu Karisa Ph.D Thesis entitled: *An Axis of urban Heritage and Design in Kenya. Integration 1<sup>st</sup> Approach to Swahili Street Organizational Culture.*
- 6<sup>th</sup> Jan.2000 – July, 2005 Paul Mwangi Maringa; PhD Thesis entitled, “*Influence of Social Cohesion on Urban Environment in the City of Nairobi, Kenya.* (Graduated in 2005).
- April 2000- July. 2004 Walter H. Onyango; Ph.D. Thesis entitled “*The Kenya Community Industrial Design*” (Graduated in 2004).
- 6<sup>th</sup> Apri.2004-July.–ongoing Omwenga Mairura Evans; Ph.D. Thesis entitled, “*School Transport Accessibility Planning in Nairobi: The Burden of School Transport Costs and Risks in the City*”.

- 15<sup>th</sup> December 2004 A Member of Oral Examination Board - Jennifer Mumbi Murigu, PhD Thesis Entitled “*An Analysis of the Decision Making Criteria for Investing in Commercial Buildings in Nairobi*”.
- 29<sup>th</sup> April. 2003- Ongoing Peter Amalo Makachia Ph.D. Thesis entitled, “*A Strategic Approach to Dweller –Initiated Transformation Housing*”. Examine the candidate as one of Internal Examiners in his Oral Examination on 14/3/2008. And now am supervising him on the recommended corrections.

**(iv) Supervision of Masters of Art In Construction Management Students:**

- 16<sup>th</sup> April 2008 A member of Oral Examination Board for Leonard Wamalwa Mbinga M.A Thesis Entitled : “*Ceramic Production and Use On The Colonial Swahili Coast*”.
- 4<sup>th</sup> March 2008 A member of Oral Examination Board for Catherine M.G Kagiri M.A Thesis Entitled “*A study of knowledge Management application in Property Management in Kenya*”.
- 2005- 2006 Francis Muthee Githaiga; Title of the Research Project: “*An Investigation Into Factors that Affect the Accuracy of Cost Estimates for Buildings: Case Study of Private Residential and Office Projects in the City of Nairobi (Graduated in 2006)*”.
- 2005- 2006 Joab Awalla; Title of the Research Project: “*An Investigation into the Dissemination of Construction Research Innovation from the University of Nairobi Into Construction Practice*”. **(Graduated in 2006)**.
- 2004 - 2005 Ouma Pius Omullo; Title of the Research Project: “*A Study of the Relationship between Manual Handling Skills and Work Related Musculoskeletal Disorders/Discomforts in Occupational Masonry Trades*”: *A Case Study of Superstructure External Walling Construction in Low and Medium Rise Buildings in the Nairobi CBD and Sub-CBD. (Graduated in 2005)*.
- 2003-2004 James Ouma Okaka; Title of the Research Project: “*Craftsmanship in Kenyan Informal Construction*”: *A Case Study in Nairobi. (Graduated in 2004)*
- 2003-2004 Nobert Odoyo Omuom; Title of the Research Project: “*Influence of User Behaviour on the Voids and Sustainable use of Commercial Buildings. Commercial Buildings*”: *A Case of Nairobi Central Business District. (Graduated in 2004)*.

**(v) Transferred to Department of Architecture and Building Science on 1/4/2008**

Teaching and counseling of the undergraduate students undertaking Bachelor of Architecture Studies in 4<sup>th</sup> years.

**Teaching Services :** Department of Real Estate and Construction Management :  
 Taught Causes : History of Construction and Architectural Communication for 1<sup>st</sup> years in Bachelor of Construction Management

1992-2000

**LECTURER**

**Teaching and Counseling of the undergraduate students undertaking:**

Bachelor of Arts in Building Economics and Land Economics: The course units taught are: Building services, Introduction to Architectural Design and Drawing, Building Technology and Materials; and Physical Environment in Building Design, Research Projects; Organized academic units. Bachelor of Architecture: The course unit taught is Architectural Design Studio

Bachelor of Arts in Design: The course unit taught is Statistics.

**Teaching and Counseling of postgraduate students undertaking:**

Masters of Arts in Building Management: The course unit taught is Building Technology.

**A Member of Oral Examination Board for:**

1995

Ms. Florence O. Ombajo. Masters of Arts in Housing Administration: Thesis entitled “*Residential Spatial Organization and Location Conflict of Various Groups in Nairobi*”. (Graduated in 1995).

1991 – 1992

**TUTORIAL FELLOW**

**Taught and counseled undergraduate students undertaking:**

Bachelor of Arts in Building Economics and Land Economics; The course units taught include; Building Construction, Materials; Architectural Design and Drawing, Research Projects, Organised academic trips.

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

Department of Architecture

P.O. Box 62000 Nairobi

1990 - 1991

**GRADUATE ASSISTANT**

**Taught and Counseled undergraduate students undertaking:**

Bachelor of Architecture: The courses taught were; History of Architecture and Architectural Design. Organised academic trips.

**KIRITI SECONDARY SCHOOL**

P.O. Box 119 Nyeri

1982 - 1983

**UNTRAINED TEACHER**

**Taught and counseled students**

In Mathematics, Chemistry, Physics.

## **6. PROFESSIONAL EXPERIENCE**

---

### **FACULTY PROJECT OFFICE**

- 2004 Architect on Feasibility study of Extra Mural Centre Nyeri University of Nairobi
- 2004 Architect on architectural design of CASELAP, Arboretum Drive-Nairobi. University of Nairobi.
- 1999 New Staff Housing-Mamlaka Road University of Nairobi

### **WAAKI ASSOCIATES**

Associate member of Waaki Associates, a firm, which offers Architectural and Project Management Services; and Researches on the living and contemporary Architecture in Kenya.

### **7. CONFERENCE, WORKSHOPS AND SEMINARS ATTENDED**

---

- 24<sup>th</sup> April, 2008 Continuous Professional Development Seminar, Theme: “*The Role of Professionals in Reconstruction*” Presented a paper on “*Resettlement Approach and Challenges*” Held in Safari Park Hotel Nairobi. Organised by Board of Registration of Architects and Quantity Surveyors.
- 
- 20<sup>th</sup> to 21<sup>st</sup> September 2006 “*Contemporary Issues in the City and Built Environment in the East African Region*” Held at Hotel Intercontinental.
- 27<sup>th</sup> April, 2006 “*Challenges Facing Professionals in the Construction Industry*” Held in Panari Hotel, Panari Sky Centre Mombasa Road, Nairobi.
- 14<sup>th</sup> to 15<sup>th</sup> September, 2005 “*The Role of Importance of construction Industry in Economic Growth of a Nation*” Continuous Professional Development Programme, Venue: Safari Park Hotel Nairobi.
- 7<sup>th</sup> to 29<sup>th</sup> July, 2005 Conference on Modern Architecture in East Africa Around Independence Presented a paper on “*The Role of social System on Production Process On modern Architecture in Kenya*”. Held In Msasani Slipway Dares a Salaam, Tanzania. Organized By Archiafrica.
- 15<sup>th</sup> April, 2005 “*Construction and Environment*” Continuous Professional Development Programme, Venue: Holiday Inn; Parklands Road Nairobi.
- 9<sup>th</sup> February, 2005 “*The Role of NEMA in the Construction Industry*” Public Lecture; Speaker, Prof. Ratemo W. Michieka , Venue ADD Building.
- 16<sup>th</sup> December, 2004 “*Research and Dissemination*” Seminar Held at Gracia Guest House Westlands Nairobi. Faculty of Architecture Design and Development.
-

---

4 <sup>th</sup> December, 2004	<i>“The Planning and Project Management for Facility Managers”</i> Seminar held at Barclays Bank Headquarters, Moi Avenue, Nairobi.
11 <sup>th</sup> November, 2004	<i>“Defining Construction Management”</i> Seminar held at Silver spring Hotel, Nairobi.
31 <sup>st</sup> Aug.- 2 <sup>nd</sup> Sept. 2004	<i>“First Roundtable Discussion on Science and Technology partnerships related to infrastructure”</i> Workshop held at Safari Park Hotel Nairobi.
16 <sup>th</sup> July 2004	<i>“Curriculum for Bachelor of Science in Construction Management”</i> . Workshop held at Lenana House.
28 <sup>th</sup> - 29 <sup>th</sup> July 2003	<i>“Electronic Resources for Teaching and Research”</i> . Workshop held at the University of Nairobi.
5-6 <sup>th</sup> August 1999	<i>“Construction Manpower Development Construction Resource Management (Finance, Labour, Plant and Material)”</i> .CPD Workshop held at Silver Spring Hotel Nairobi.
31 <sup>st</sup> Aug. - 2 <sup>nd</sup> Sept. 1999	<i>“The year 2000 and Beyond: National Challenges Professional responsibilities”</i> CPD Workshop held at Bomas of Kenya.
11 <sup>th</sup> November 1999	<i>“Construction Manpower Development Project Management”</i> . CPD Seminar held at the Grand Regency Hotel, Nairobi.
23 <sup>rd</sup> September 1999	Syagga, P.M. <i>“Real Property Valuation: A profession in search of a Discipline”</i> .Inaugural Lecture held at Multiple-purpose (8-4-4) Lecture Theatre.
30 <sup>th</sup> September 1999	Omondi <i>“Language and Life”</i> . A Linguistic glance at Kenya Inaugural Lecture held at Multipurpose 8-4-4 Lecture Theatre.
7 <sup>th</sup> April.1999	Rukwaro, Robert. <i>“National Development in a Liberalised Economy”</i> .CPD Seminar at Utalii Hotel, Nairobi.
20 <sup>th</sup> –23 <sup>rd</sup> November, 1996	Rukwaro, Robert. <i>“Redefining the conventional Building Project Management in Kenya- A case for Project Manager”</i> . Paper presented on First Regional Conference on Construction Project Management- Eastern Africa Context held at Garden Hotel, Machakos.
2 <sup>nd</sup> to 8 <sup>th</sup> September 1996	Rukwaro, Robert. <i>“Traditional African Architecture of the Kikuyu Masaai, Luo and Gabra Ethnic groups of Kenya”</i> . Exhibition on festival of Living Traditional held at Kenyatta International Conference Centre, Nairobi.
July 1996	Rukwaro, Robert. <i>“Inculturation for sustainability of Catholic Church Buildings- Case Study: Nyeri District”</i> . Paper Presented during Green Architecture and Environmentally Sensitive Sustainable Development.

---

---

	Seminar at Panafric Hotel, Nairobi.
September. 1995	Rukwaro, Robert. “ <i>Maasai Architecture</i> ”. Paper presented in seminar at Department of Architecture of Jomo Kenyatta University of Agriculture and Technology.
17 <sup>th</sup> - 20 <sup>th</sup> October. 1995	Rukwaro, Robert. “ <i>Assimilation of Modern Architectural Design Concepts in the Kenyan Rural Setting. Emphasis on Maasai Community</i> ”. A paper presented during African Union of Architects 4 <sup>th</sup> Congress and General Assembly at International Hotel, Nairobi.
16 <sup>th</sup> -17 <sup>th</sup> March 1995	Rukwaro, Robert. “ <i>A Case for value Systems Being Bases for Contemporary Architecture in Kenya</i> ”. A paper presented at African Architecture and Planning in the 21 <sup>st</sup> Century. The challenge of our time seminar, organized by JKUAT at Methodist House and Conference Center, Nairobi.
16 <sup>th</sup> –17 <sup>th</sup> Feb. 1995	“ <i>Conservation of Historical Towns in Kenya</i> ”. Workshop held at Lotus Hotel Mombasa; Coordinated by College of Architecture and Engineering and Department of Land Development.
24 <sup>th</sup> - 25 <sup>th</sup> Nov. 1994	Rukwaro, Robert. “ <i>Planning parameters for Kenyan Traditional Settlements. A case of the Maasai</i> ”. A paper presented during African Architecture and Planning in the 21 <sup>st</sup> century. The challenge of Our Time/ seminar Department of Architecture.
31 <sup>st</sup> Aug. 1993	Kironde, J.M. Doctorate Candidate, “ <i>The evaluation of Land Use Structure of Dare-es- salaam, 1890-1990</i> : Seminar University of Nairobi.
4 <sup>th</sup> -7 <sup>th</sup> March 1992	Rukwaro Robert. “ <i>Woman participation in Architectural Design in Kenya</i> ” A paper presented in a seminar on the effects of structural Adjustment policies on Women In Kenya at Outspan Hotel, Nyeri.
16 <sup>th</sup> - 19 <sup>th</sup> August 1991	“ <i>Squatter/Settlement Upgrading Research Project</i> . Sponsored by the Ford Foundation. Workshop at Bandari College, Mombasa.
June 1991	“ <i>Project Management, Construction and Architecture</i> . Workshop at University of Nairobi. Nairobi.
February 1991	“ <i>Architectural Professional Practice</i> ” Workshop sponsored by Commonwealth Association of Architect at Professional Center Nairobi.
April 1989	<i>Marine Resource</i> : Commonwealth Association for Surveying and Land Economy. Conference at Kenyatta International

---

## **8. PUBLICATION**

---

### **(i) PUBLISHED BOOKS**

- 2006 Rukwaro, W. Robert and Maina S.J.M. *Transformation of Art and Architecture of Maasai*. ARTS Nairobi. ISBN 9966-9702-2-8
- 2006 Rukwaro, W.Robert (Editor in Chief ) *Africa Habitat Review Journal* (1) (2006).
- 2003 Rukwaro, W. Robert. and Mugenda. G.A. *Representation Techniques in Building Drawing*. ARTS Nairobi. ISBN 9966-9702-1-5.

### **(ii) PUBLISHED PAPERS**

- 2006 Rukwaro, W. Robert “Towards Improving of Architecture Design of Office Buildings for Maintenance of Engineering Services” *African Journal of Design and Construction ISSN 1813-7776*.Vol. 1 No. 1, Dec. 2006. pp. 30-39.
- 2005 Rukwaro, W. Robert. “*The Role of Social Systems in Production Process of Modern Architecture in Kenya.*” In Proceedings of the Conference on Modern Architecture in East Africa Around Independence. Published by ArchiAfrica, Utrecht, – ISBN 90-78296-01-1 (2005) pp.99-107.
- 2005 Rukwaro, W. Robert: “*Inculturation of the Catholic Church in Kikuyu Religious Spaces*”. *Hekima Journal*. 3 (2005) pp. 102-117.
- 2003 Rukwaro W. Robert and Washington H. A. Olima. “*Developer profits undermine residents’ satisfaction in Nairobi’s residential neighbourhood: implications for local government in Kenya.*” *Habitat International* 27 (2003) pp.143-157.
- 2001 Rukwaro W. Robert and Mukono M.K *Hekima Journal Nairobi* “Architectural of Societies in Transition- *The Case of the Maasai of Kenya*” *The Habitat International Journal*: 25 (2001) pp81-97.
- 1998 Rukwaro, R. Robert and Maleche, Z. “*A Case for Value Systems Being Bases for Contemporary Architecture in Kenya*”. *The Horizon DAT Nairobi* 2 (1998) pp.31 –36.

- 1997 Rukwaro, W. Robert and Maleche, Z. “*Planning Parameters for Kenyan Traditional Settlements - A Case of the Maasai*”. The Horizon DAT Nairobi 1(1997) pp. 24-30.
- 1992 Rukwaro, W. Robert “*Owner User Brief*” Building and Construction Review.2 (1992) pp27-28.
- 1991 Rukwaro, W. Robert. “*Architectural Design Determinants for Adult Education Centres in Kenya*”. Building and Construction Review.1 (1991) pp29-33.
- 1991 Rukwaro, W. Robert “*Building Maintenance Manual*” Building and Construction Review. 1 (1991) pp4-6.
- 1991 Rukwaro, W. Robert “*Project Manager: Communication Organization in Building Construction Process*”. Building and Construction Review. 1 (1991) pp21-22.

**(iii) Papers Awaiting Publication**

- 2007 Rukwaro, W. Robert “*Spatial Determinants of The Total Area of The Extensions in Nairobi Residential Estates*”

**(iv) School Of Built Environment Journal Awaiting Publication**

- 2007 Rukwaro, W. Robert (Editor in Chief) Africa Habitat Review Journal Vol. (2) (2007)

**9. RESPONSIBILITIES WITHIN UNIVERSITY OF NAIROBI**

---

- |                |  |
|----------------|--|
| 2004 - 2006    | Examination Officer; Department of Real Estate and Construction Management.  |
| 2004 - Ongoing | Chairman; Faculty of Postgraduate Student Committee.   |
| 1997- 2006     | Convenor ; Bachelor of Construction Management Curriculum Development Committee: Department of Real Estate and Construction Management. First intake of Bachelor of Construction Management Undergraduate 2007-2008. |
| 2002- Ongoing  | The Editor –in-Chief; <i>Africa Habitat Review: A Journal of Faculty of Architecture, Design and Development</i> .   |
| 1991- 1994     | Fourth year research coordinator   |
| 1994-1995      | Time table master.   |

1996-1998	Secretary to the departmental board
1991-Ongoing	First year counselor
2000- Ongoing	A member of departmental income generating activities committee
1998- 2000	Examinations Officer.

#### ***10. PUBLIC SERVICE IN KENYA***

---

2006- To present	A member of Curriculum Accreditation Sub-committee of Commission for Higher Education. I have been involved in Evaluation of Curriculum in Diploma in Architecture Programme, and have inspected and verified the resources of Nairobi Institute of Technology.
2002 - 2006.	External Examiner for the course construction management at Jomo Kenyatta University of Agriculture and Technology.
1998 – To present	Chairman of Clay and Clay Products Technical Committee; Kenya Bureau of Standard.

#### ***11. CURRENT RESEARCH***

---

2001-To Present	Cultural Continuity in African Architecture. Elements of Research in Built Environment.
-----------------	--

#### ***12. CURRENT SALARY AND OTHER FINANCIAL BENEFITS***

---

Current basic salary is K£39,160 per annum and terms of service include a non-contributory medical scheme, house allowance of Kshs.46,500 per month, transport allowance of Kshs.4,040 per month and a contributory pension scheme.

#### ***13. ACADEMIC REFEREES***

---

Prof. Washington H. A. Olima  
Dean of School of The Built Environment.  
University of Nairobi  
P. O. Box 30197-00100  
NAIROBI.

Prof. Paul M. Syagga  
Department of Real Estate and Construction Management  
University of Nairobi  
P.O.Box 30197-00100

NAIROBI.

Prof. Elijah Ndegwa  
Department of Urban and Regional Planning  
University of Nairobi.  
P.O.Box 30197-00100  
NAIROBI.