



# THE TECHNICAL UNIVERSITY OF KENYA

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NAME: DR PETER AMALO MAKACHIA

Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
School:	ARCHITECTURE AND SPATIAL PLANNING
Department:	ARCHITECTURE AND BUILDING SCIENCE
Current Designation:	Senior Lecturer, ARCHITECTURE AND ENVIRONMENTAL DESIGN
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Consultation Hours:	.8.00 am-5.00pm



## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	Architecture	University of Nairobi(Kenya)	2010
Master of Architecture (M.Arch)	Human settlement	cum laude(Belgium)	1995
Bachelor of Architecture (B.Arch)	Architecture	University of Nairobi(Kenya)	1986
Diploma	Architecture (Human Settlement)	cum frutu(Belgium)	1994

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
1991 - to date	Makrospace Consultants	Principal Partner
2002 - to date	Kenyatta University( Department of Enviromental Planning & Management	Part Time Lecturer
1989 - 2012	University of Nairobi( Department Of Architecture & Building Science	Lecturer
2003 - 2003	Jomo Kenyatta University Of Agriculture and Technology	Part Time Lecturer
1997 - 1997	Kenyatta University( Department of Enviromental -Sicio-Cultural Studies	Part Time Lecturer
1988 - 1993	Team Leader &Divisional Architect, Mt Elgon (West Kenya)	Senior Architect
1986 - 1988	MOPWs, Kenya,Machakos District	Assistant Architect

## GENERAL STATEMENT ON RESEARCH AREAS

Research into the history traversing precolonial era unto the colonial experience in the urban landscape of the region in a module series titled: 'The Architectural of the city in Eastern Africa' supported through a research grant through the Global Architectural History Teaching Collaborative (GAHTC) / MIT from the Andrew Mellon Foundation, delivered as a teaching module in a series of peer-reviewed lectures.

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
Makachia, P.A (2011) Evolution of Urban Housing strategies and dweller-initiated transformations in Nairobi	City,Culture and Society( 18 pages)
Makachia, P.A (2011) Housing Strategies in Kenyan towns and Dwellers-Initiated Transformations- Case Studies from Nairobi.	IZGRADNJA ( Built Enviroment), 65 (11-12),535-539
Makachia, P.A (2011). The Physical Enviroment in the slums of Nairobi- An Investigation into the physical & spatial Qualities in the Informal Settlement of Nairobi using Case studieSlum Villages.	In R. Flores(Ed), Slum Upgrading Programmes in Nairobi-Challenges in Implementation (Vol. 44), Nairobi, Kenya; French institute for Research in Africa (IFRA-Nairobi)
Makachia, P.A (2010) Governance and management of urban Housing - Challenges andOpportunities of Dwellers-Initiative Transformation in Formal Housing Production with Cases from Nairobi Housing Estates. LES UNJEUS ET LES DESIS DE LA GOUVERNANCE URBAINE EN AFRIQUE.	Universite de Dschang du au Novembre 2010, Dschang, Universite de Dschang.
Makachia,P.A.(2010) Transformation of housing in Nairobi-	Dwellers-initiated transformation in Forma lHousing in Nairobi Estates with Case Studies of Kaloleni and Baru Baru Estate . PhD Thesis, University of Nairobi,Architecure abd Building Science, Nairobi
Makachia, P.A (2008) Urban Management Training Guidelines for southern Sudan State capital Towns, Nairobi.	UNDP/UN-Habitat
Makachia, P.A (2006, Spring).Influence of House Forms On Dwellers - Initiated Transformations in Urban Housing.	International Journal for Housing and its applications,30pp 33-44
Makachia, P.A (2005a) A Manual for organized Self-Help Housing Densification in Eastlands,Nairobi.	Organized Sif -Help Housing Planning and Management-Costa Rica (2005),CD-ROM, Lund, Sweden; Housing Development Management (HDM), Lund University/Sita/FUPROVI/PROMESHA.
Makachia, P.A (2005b) Influence of House Form on Dweller- Initiative Transformation in Urban Housing	In O.Ural.A.De Villiers,& A.Osman (Ed), International Association Housing Science (IAHS) Congress - Transforming Housing Enviroments Through Design. Pretoria; University of Pretoria
Makachia,P.A, Talukhaba, A.A, & Omenya, A.O (2005) A Cost Modelling Design Strategy for Dwellers-Initiative Transformations in Urban Housing. In A.A Talukhaba, O.A Akindele,&J. Appiah-Baiden (Ed),	Proceeding of the 3rd Post Graduate Conference of Construction Industry Development(CIDB) - 2005 (pp 373-388) Johannesburg CIDB / university of Witwatersrand/ COEGA
Transformation of Housing in Nairobi	<a href="https://www.researchgate.net/publication/264235521_Transformation_of_Housing_in_Nairobi_Dweller-Initiated_Transformations_in_Formal_Housing_in_Nairobi_with_Case_Studies_of_Kaloleni_and_Buru_Buru_Estates">https://www.researchgate.net/publication/264235521_Transformation_of_Housing_in_Nairobi_Dweller-Initiated_Transformations_in_Formal_Housing_in_Nairobi_with_Case_Studies_of_Kaloleni_and_Buru_Buru_Estates</a>
Innovative financing of housing for sustainable growth	<a href="https://www.kba.co.ke/downloads/Working%20Paper%20WPS-02-15.pdf">https://www.kba.co.ke/downloads/Working%20Paper%20WPS-02-15.pdf</a>
Participative design for urban housing	<a href="https://www.google.com/ur?sa=t&amp;source=web&amp;srct=j&amp;url=https://www.files.ethz.ch/isn/179864/Participative%2520Design%2520for%2520Urban%2520Housing.pdf&amp;ved=2ahUKEwiq65Ppq07IAhU6AmBHUE-AZAQFJAeegQ1BRAB&amp;usq=AOvVaw3Heb6jgeN0jOv2Dlin11s">https://www.google.com/ur?sa=t&amp;source=web&amp;srct=j&amp;url=https://www.files.ethz.ch/isn/179864/Participative%2520Design%2520for%2520Urban%2520Housing.pdf&amp;ved=2ahUKEwiq65Ppq07IAhU6AmBHUE-AZAQFJAeegQ1BRAB&amp;usq=AOvVaw3Heb6jgeN0jOv2Dlin11s</a>
Makachia, P. A. (2019). Evolution of the 'Moderna' expression in African Housing - An Investigation of the architectural expression in African residential space using case studies from Eastland's Housing Estates, Nairobi.	<a href="https://revistas.pucsp.br/index.php/paralaxe/article/view/46605">https://revistas.pucsp.br/index.php/paralaxe/article/view/46605</a>

POSTGRADUATE STUDENTS SUPERVISION

<b>NAME</b>	<b>PROJECT TITLE</b>	<b>PERIOD</b>
David Lagat	Master of Architecture	2012
Anna Tabu Mysyimi	Master of Architecture	2014
Emmanuelle John Liombo	Master of Architecture	2012
Anita Shitseswa	Bachelor if Architecture	2019
Peter Ndaru	Bachelor of Architecture	2019
N	N	1

#### COURSES TAUGHT

<b>NAME</b>	<b>DESCRIPTION</b>	<b>PERIOD</b>
Advanced Architectural Design	Studio-based instruction of architectural design of macro-scale projects in mainly urban areas	Janyary 2019 - TO-DATE
Architectural Research Methods	Introduction to scientific research and methods used in architecture	January 2019 - TO-DATE
Contemporary Architectural Theory	Review of theories of contemporary practice since the 21st Century	January 2019 - TO-DATE

#### PROFESSIONAL AFFILIATIONS AND SOCIETIES

<b>TITLE</b>	<b>INSTITUTION</b>
Corporate Architect	Architectural Association of Kenys
Registered Architect	Board of Registration of Architects & Quantity Surveyors