



Dr.(Eng.)(Arb.) Paul C.K. Kioko PhD,MBA,Cons.Eng.,FIEK, MAAK,CIArb,FAEO

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Bio Data

Gender: Male

Marital Status: Married

Date of Birth: 03-03-1973

Nationality: Kenyan

Profile Summary

Dr. Paul Kioko is a Consulting Civil-Structural Engineer with a PhD (UoN), M.Sc. and B.Sc. (JKUAT), combining 8+ years of university teaching with 15+ years of professional practice. A former State Officer and CEO of IEK, he is a Certified Arbitrator, NEMA Lead Expert, and Fellow of IEK. Dr. Kioko integrates academic rigor with practical engineering, providing high-quality teaching, supervision, and mentorship at undergraduate and postgraduate levels.

Education

2020-2025

PhD in Civil Engineering

University of Nairobi

Thesis Title: Multi-Parameter Predictive Analysis of Peak Particle Velocity in Ground Vibration Attenuation

2013- 2016

Master of Business Administration (MBA) Strategic Management
South Eastern Kenya University (SEKU)

2012- 2015

MSc. Civil Engineering

Jomo Kenyatta University of Agriculture & Technology (JKUAT)

Thesis Title: An Investigation into the Application of used Lube-Oil for Improvement of Engineering Foundations

2009- 2011

Bachelor of Science in Civil Engineering

Jomo Kenyatta University of Agriculture & Technology (JKUAT)
2nd Class Honours Upper Division

2005- 2007

Higher National Diploma in Construction (Building & Civil Engineering)
The Mombasa Polytechnic University College

1995- 1997

Diploma in Civil Engineering

The Mombasa Polytechnic

1990- 1993

Kenya Certificate of Secondary Education (KCSE: B-)

St. Joseph's Junior Seminary, Mwingi

Professional Certifications & Membership	i. Consulting Civil Engineer ^(CE), Engineers Board of Kenya-EBK No. E578 ii. FELLOW, Institution of Engineers of Kenya - IEK No. F.4562 iii. Certified Arbitrator, Chartered Institute of Arbitrators CIArb-UK No. 6082829 & Chairman Legal Sub-Committee WG, Kenya iv. LEAD Expert-NEMA EIA & EA; NEMA License No. 678 v. Corporate Member, Architectural Association of Kenya-AAK No. 4929 vi. Member, Global Engineering Deans Council (GEDC) vii. Member, Engineering Council of Deans and Principals of Kenya		
Professional/Work Experience	<table border="1"> <tr> <td data-bbox="416 703 703 819"> Upto 2025 </td><td data-bbox="703 703 1420 819"> MULTIPHASIC INFRACONSULT LTD.(EBK: ECF 205) Principal Partner(Consulting Engineer) </td></tr> </table> 1. Civil-Structural Design of infrastructure and statutory approvals by state agencies for implementation 2. Projects Administration and Management of Building and Civil Works,Site Inspections and Certification for Payments from site handover to commissioning 3. Feasibility that includes Geotechnical Investigations,Environmental Impact Assessments & Audit of diverse projects 4. Monitoring and Evaluation during project life cycle 5. Arbitration-Construction Disputes i. April,2025: Appointed Arbitrator for VEEVEE Entreprises Limited vs Eastern Africa Grain Council dispute ii. April,2025: Appointed Arbitrator for Ministry of Education Rangwe Sub-County vs Alexander Labs Limited dispute iii. 4th February,2025: Appointed to Federation of African Engineering Organizations-FAEO Committee on Alternative Dispute Resolution iv. December,2024: Appointed Arbitrator for Mwalimu National Sacco vs Geo-Acres Survey Limited dispute v. November,2024: Appointed to KISIP 2 DAAB World Bank Project Adjudicator; Nyamira County vi. June,2024: Appointed Chairman of Ad-Hoc Committee for Establishment of Mbooni-Municipality,Makueni County	Upto 2025	MULTIPHASIC INFRACONSULT LTD.(EBK: ECF 205) Principal Partner(Consulting Engineer)
Upto 2025	MULTIPHASIC INFRACONSULT LTD.(EBK: ECF 205) Principal Partner(Consulting Engineer)		

2017 - 2025

South Eastern Kenya University (SEKU)

Position: Dean, School of Engineering & Technology & Lecturer of Civil Engineering

Key Responsibilities & Achievements:

- **Leadership & Governance:**

- Member of University Senate and Deans' Committee; Advisor to the Vice Chancellor on engineering and technical affairs.
- Head of the School of Engineering & Technology, overseeing academic, technical and administrative teams.
- Chaired the School's Board and University's Contracts Review Committee, supervising planning and execution of university infrastructure.

- **Academic & Institutional Development:**

- Pioneer Dean: Led establishment of the School, developing mission, vision, service charter and academic policies.
- Oversaw departments: Civil, Mechanical, Electrical & Electronics, Agricultural, Textile Engineering, Fashion Design and TVET Directorate.
- **Spearheaded curriculum development and accreditation** of engineering programs by CUE and EBK aligned to the Washington Accord.
- Developed faculty-level budgets, procurement/work plans and staff performance appraisal frameworks.
- Promoted academic-industry collaborations, including MoUs with peer universities and engagement with the Royal Academy of Engineering and African Academy of Sciences.

- **Units Taught at SEKU University**

- Structural Steel Design to the Eurocodes
- Structural Concrete Design to the Eurocodes
- Structural Timber Design to the Eurocodes
- Theory of Structures curriculum

- **Past Part-Time Teaching:**
 - University of Nairobi- Structures & Materials
 - Jomo Kenyatta University of Agriculture & Technology-Structural Design
 - Technical University of Kenya-Structural Design & Theory of Structures
 - Technical University of Mombasa-Structural Design & Theory of Structures,**Geotechnical Engineering**,Engineering Practice
 - Kenyatta University-**Foundation Engineering**
- **Research, Mentorship & Public Engagement:**
 - Promoted innovation, research and publication as a civil engineering lecturer.
- **Research Work:**
 - i. Thesis Title:PhD-University of Nairobi Repository

Multi-Parameter Predictive Analysis of Peak Particle Velocity in Ground Vibration Attenuation
 - ii. Paul Christopher Kimali Kioko, Sylvester Abuodha, John Mwero & Zacharia Kuria (2025) Simulation of vibration transmission through soil medium: modeling peak particle velocity attenuation using multi-parameter analysis. International Journal of Civil Engineering (SSRG-IJCE)", ISSN: 2348-8352.
 - iii. Paul Christopher Kimali Kioko, Sylvester Abuodha, John Mwero & Zacharia Kuria (2023) Experimental assessment of train-induced soil vibration characteristics using Arduino-based accelerometers, Cogent Engineering, 10:2, DOI: 10.1080/23311916.2023.2245201
 - iv. Experimental use of Arduino-based accelerometers for assessment of train induced soil vibration characteristics (Africa

- v. 2022: Assessment of Rock Suitability for Pavement Construction in Yatta/Kwa Vonza in Kitui, Kenya-Paper ID:IJERT, Volume 13, Issue 04 , April – 2024.
- vi. 2021: Load-deflection behaviour of reinforced concrete slab under varied axial compressive loading-Paper ID: IJERTV10IS020018
- vii. 2021: Analysis of a travel pattern of a university community in a rural area: a case study of South Eastern Kenya University- Paper ID: IJERT IJERTV10IS020019
- viii. 2021 :An assessment into the use of crushed glass as partial replacement for fine aggregates Paper ID: IJERTV10IS020176
- ix. 2014: Published a Thesis Research Entitled “ An investigation into the application of used lube oil for improvement of engineering foundations” Paper ID: IJERTV3IS080087
- x. 2019: Paper Reviewer/CEO for IEK Conference (30 papers) - Conference Booklet available
- xi. 2018: Presented a Paper on Marine Infrastructure at the 25 th IEK International Conference held at Pride Inn Beach Resort in Mombasa, Kenya. Published in Peer Reviewed Kenya ENGINEER (ISSN 2304-2168)-Conference Booklet available

Post Graduate MSc.Civil Engineering Supervision-TUM

1. **Mohamed Twahir Ali** ;Experimental Investigation of Serviceability Performance of Reinforced Concrete Beams Incorporating Recycle Tyre Steel Fibres
2. **Kingi George Kazungu** ;Structural Performance of Concrete Blocks reinforced with dry hybrid dwarf x tall coconut fruit fibre
3. **Mutai Bernard Kiplang'at**;Study of crushed stones as fine aggregate on the properties of concrete
4. **Mwendo Sebastian**;Utilization of demolished concrete as partial replacement for coarse in structural concrete:performance and durability study

Consultancy/Research

1. **Proposal and Face Masks production** during Covid-19 Pandemic producing over 35,000 face masks-KEBS Certified KS 2636:2016(KS 11.040.30) ,April 2020.
2. **Nyumbani Village(neighboring SEKU) Engineering Feasibility Study** for Road Construction comprising geotechnical soil and site investigation referred to SEKU.14TH July 2021
3. **Proposal towards mobilization of School of Engineering Laboratory Equipment** pending KeRRA administrative verification process-see university VC correspondence.
4. University initiation and roll out of 5 Engineering Curricula to accreditation(Civil,Electrical,Mechanical,Agricultural and Textile)-**internally generated revenue** to the University across all cohorts 2018-2021
5. Initiation and Co-ordination of TVET Directorate of the University,2020.
6. General Professional Engineering Consultancy(see EBK Certification as Consulting Engineer)

2018-2019

Institution of Engineers of Kenya (IEK)

Position: Chief Executive Officer

Key Responsibilities & Achievements:

- Served as the **Accounting Officer and Head of the Secretariat**, responsible for day-to-day management aligned with the IEK Constitution and Council decisions.
- **Spearheaded international and national engineering partnerships**, engaging State Agencies, Private Sector actors, the World Engineering Federation and the Royal Academy of Engineering.
- Directed **policy formulation and implementation**, ensuring statutory and regulatory compliance across the Institution's operations.
- **Led the development and execution of IEK's Strategic Plan (2018–2023)**, aligning financial, operational and programmatic priorities.
- Oversaw **budget preparation, resource mobilization** and revenue-generation activities—especially through international conferences, CPD trainings and stakeholder events.
- **Coordinated linkages and institutional representation**, promoting IEK's profile across government bodies, regulators, development partners and professional organizations.
- **Led training, performance appraisal and capacity development** for IEK staff.
- Championed **ADR (Alternative Dispute Resolution)** initiatives, positioning IEK as a neutral platform for resolving engineering-related contractual disputes.
- Represented IEK in public, regulatory and international forums, advancing the interests of engineers and the profession at large.

2013-2016

County Government of Kitui

Position: County Executive Committee Member (CECM)

Ministry: Lands, Infrastructure & Urban Development – Kitui County Government (2015–2016)

Key Mandate & Strategic Leadership:

- Headed the County Ministry overseeing Land, Roads, Housing, Public Works and Urban Governance in line with Article 183 and the Fourth Schedule of the Constitution of Kenya, 2010.
- Formulated policies, presented Bills and Cabinet Memos and led strategic planning, budgeting and infrastructure development.
- Spearheaded cross-sector coordination with national agencies (e.g., KRB, NCA, REREC) and donor programmes including:
 - **KISIP** – Oversight of informal settlement upgrades and infrastructure audits.
 - **World Vision (WASH)** – Delivered rural water and sanitation systems.
 - **Kenya Municipal Programme (KMP)** – Implemented stormwater

drainage and solid waste infrastructure.

Key Infrastructure Achievements:

- Delivered over **1,400 km** of roads, **43 drifts**, **5 box culverts**, **3 bridges**, and **8.5 km** of concrete slab roads in mountainous terrain.
- Supervised **80 km** of urban street lighting and installation of **200 solar floodlights** in all 40 wards.
- Delivered **urban tarmacking projects** in Kitui and Mwingi CBDs; initiated countywide rural electrification partnership with REREC.

Governance, Compliance & Stakeholder Engagement:

- Represented the Ministry before National Senate, County Assembly and intergovernmental forums.
- Participated in legislative reviews (e.g., Roads Bill 2015, Urban Areas & Cities Regulations, Physical and Land Use Planning Act, Community Lands Bill).
- Oversaw professional teams (engineers, architects, quantity surveyors, planners, surveyors) and led performance contracting and HR appraisals.
- Ensured compliance with PPADA, PFMA, NEMA, NCA, and OSHA regulations throughout project lifecycles.
- Applied Alternative Dispute Resolution (ADR) mechanisms to manage infrastructure contract disputes between consultants, contractors and the county.

Summary:

Championed sustainable, community-responsive infrastructure governance and positioned Kitui County as a model in donor-aligned and compliance-driven infrastructure delivery.

2010-2013

Mellech Engineering & Construction Ltd., Nairobi

Position: Project Engineer

Key Responsibilities & Achievements:

- Led end-to-end project execution—design reviews, costing, field surveys, and supervision—for building and civil infrastructure across humanitarian, donor-funded and public sector contexts.
- Delivered works under **FIDIC contractual frameworks**, ensuring compliance, quality and timely delivery across complex sites.

Major Projects Delivered:

- **UN-WFP – Kakuma Refugee Camp (Turkana):**
Supervised road infrastructure and food distribution facility with **solar-integrated steel structures**; managed teams, reporting and stakeholder coordination.
- **Technology Development Centre (Nairobi):**
Oversaw structural, utilities and finishing works for what is now **NITA's national industrial training complex**.
- **Kenol Kobil Fuel Depots (Multiple Sites):**

- Managed civil works for fuel storage, drainage and forecourt systems.
- **UNDP Mathari Educational Complex (Nairobi):**
Directed architectural and structural implementation of education infrastructure.
- **Ngong Estate Civil Works:**
Supervised drainage, water, sewerage and external works for residential development.

Core Competencies Demonstrated:

- Cross-disciplinary coordination (structural, civil, MEP).
- FIDIC contract management and consultant liaison.
- Site-level supervision, budgeting, procurement and QA/QC.
- Effective engagement with UN agencies, government clients, and private sector stakeholders.

2001-2010

ItalBuild Imports Ltd.

Position: Project Manager

Key Responsibilities & Achievements:

- Led multidisciplinary teams on high-value infrastructure, civil & building projects across industrial, public and commercial sectors.
- Oversaw complete project life cycles—from design review and costing to execution, commissioning and client handover—while ensuring compliance with safety, environmental and statutory standards.

Major Projects Delivered:

- **Transport & Infrastructure:**
 - *British Oxygen Company (BOC):* Road rehabilitation and furniture installation in live industrial zone.
 - *Kenya Airports Authority – Moi Int'l Airport:* Terminal I & II upgrades under aviation compliance protocols.
 - *Refinery Road & Changamwe Corridor:* Cabro paving, drainage, access roads and logistics yards for multiple factories.
- **Government & Institutional Buildings:**
 - *Malindi Law Courts:* End-to-end delivery of court complex.
 - *KPA Housing Projects:* Rehabilitation and waterproofing of official residences and flats.
 - *Mivumoni Youth Polytechnic (Msambweni):* Turnkey delivery of classrooms and workshop blocks under CDF.
- **Health Facilities:**
 - *Aga Khan Hospital (Mombasa):* Refurbishment of CT-scan unit, theatre, finance block and community health under strict HSE protocols.
- **Industrial & Oil Sector:**
 - *Pwani Oil Products (Jomvu):* Oil plant civil upgrades and mechanical works.
 - *Kensalt, Emke Garments, Kenya Road Transporters:* Structural

rehab and external works.

- **Residential & Urban Projects:**

- *Ocean Creek & Shanzu Flats:* High-end and middle-income residential developments.
- *Diani – Zum Zum Seafront:* Full infrastructure (roads, sea wall, pools, landscaping).
- *Nyali – Gate Estate Roads:* Paved roads with full drainage and urban furniture.

Project Management Competencies:

- Construction plant and workforce optimization.
- Contract administration and technical reporting.
- Quantity surveying (BoQs, field measurements, certifications).
- HSE and regulatory compliance (NEMA, OSHA, County approvals).

Other Roles:

National and Community Involvement

I have consistently contributed to national policy, professional governance and grassroots development, reflecting a firm commitment to ethical leadership, public interest, and inclusive technical capacity-building.

National and Policy Engagement

- **Chairman**, Ad-Hoc Committee on Mbooni Municipality Formation – Makueni County (2024)
- **Legal Subcommittee Member**, Chartered Institute of Arbitrators – Kenya Branch (2021–2025)
- **NTSA Focal Person**, National Road Safety Mainstreaming at SEKU (2020)
- **Technical Committee Member**, Kenya Bureau of Standards (KEBS):
 - Structural Eurocodes
 - Geotechnical & Highway Standards
 - University Education Curriculum (2019–2025)
- **Contributor** to National Legislative Frameworks:
 - Roads Bill (2015), Urban Areas & Cities Act (2012)
 - Community Lands Bill, Physical Planning Bill and ADR Legal Framework (2024/2025)
- **Taskforce Lead**, Joint Public Land Inquiry – National Land Commission & Kitui County (2014)
- **Participant**, World Infrastructure Financing Conference – Cape Town, South Africa (2015)

Professional and Institutional Leadership

- **Committee Member**, IEK Constitution Review & Professional Practice Committees (2018–2024)
- **Mentor**, Graduate and Professional Engineers – IEK (with field outreach, e.g.

Mutitu Boys, July 2025 with Nation Media/NIE)

- **Speaker & Trainer** at public forums and universities:
 - SEKU (Highway Safety, ADR, Construction PM)
 - JKUAT, Kitengela International Schools, St. Joseph's Seminary – Youth mentorship (2023–2024)
 - IEK Seminars (Water Engineers, Nakuru 2019)
 - Presiding Officer/Trainer, IEBC (2013)
- **Conference Presenter**, Engineers International Conferences (2014–2023):
 - Marine Infrastructure (2018), ADR in Construction (2019), 21st Century Engineering (2023)
- **Academic Developer**, SEKU Engineering Faculty:
 - Short Courses, Undergraduate Programs (2018)

Community Development & Faith-Based Engagement (CSR)

- **Technical Advisory (Pro Bono):**
 - St. Jude Parish – Athi River (Resource Mobilization & Implementation Support)
 - Itiko Church (Mutitu) – Design & Rehabilitation
 - Gimu Estate Road & Stormwater Systems – Feasibility Design
 - Kilimani Borehole – Diocese of Machakos
- **Resource Mobilization Lead** for schools, churches, and civil society infrastructure.

Education & Youth Empowerment

- **Chairman**, Kitengela International Schools (KISC) Stakeholders Committee
- **Board Member**: St. Joseph's Seminary (Mwingi), Itiko Mixed Secondary (Kitui East)
- **Mentorship Lead**, SEKU–IEK Engineering Student Development Program (2024–2025)
- **Institutional Collaborations:**
 - Initiated SEKU–JKUAT and SEKU–Kitui County Government MoUs (2022)
 - MoU Facilitation for ADR Training – Embu University & CI Arb(K)
 - Promoted university–industry engagement for engineer registration (2019)

Advocacy for Engineering Reforms

- Advocated for:
 - **Non-Practice Allowance** for engineers in non-design roles
 - **National Adoption of Eurocodes** in structural and infrastructure design
 - **IEK–Academia Partnerships** for continuous professional development
 - **Lecturer Workload Regulation** for teaching quality and innovation

Referees

Eng. Shammah Kiteme, CE, PMP® Consulting Civil -Structural Engineer

President of The Institution of Engineers of Kenya

Principal Civil - Structural Engineer and Director at CengProm Services Ltd.

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NAIROBI, KENYA

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Ochieng Abuodha and Associates Ltd.

Consulting Civil-Structural Engineers Ltd.

NAIROBI

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Dr. (Eng.) Philip Mogire, Ph.D

Chairman of Department & Lecturer

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