



UNIVERSITY OF  
BIRMINGHAM



Kenya National  
Highways Authority

Quality Highways, Better Connections

# Transport Systems for PWDs WORKSHOP



Image by: uds

**Assessing Social Equity and Accessibility  
of Transport Systems for PWDs in Kenya**

**CHARGES**

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**FREE**

**Date: 25th July 2023**

**Time: 14:00 - 16:10pm EAT (Nairobi)**

**JOIN THE WORKSHOP**

**Webinar ID: 872 5525 0113**

# Theme and Objectives

A study for “Assessing Social Equity and Accessibility of Transport Systems for People with Disability in Kenya” was undertaken and findings will be presented and published during the World Road Congress in October 2023 in Prague, Czech Republic. To disseminate the study results, share the lessons learned, and initiate a debate on Social Equity and Social Accessibility in Kenyan Transport Systems.

## Programm

Time (EAT)	Activity Description	Facilitator
1400 - 1410	Participants Introductions	Eng. Opuge & All
1410 - 1415	Introduction of the Study and Workshop Objectives	Eng. Opuge E. Obuolloh E-mail: e.opuge@kenha.co.ke
1415 - 1425	KeNHA, Roadside Stations and equity achievements	Eng. Brian Shikoli E-mail: b.shikoli@kenha.co.ke
1425 - 1430	KeRRA, Key Provisions at Bus Stations and equity achievements in Rural Roads	Eng. Angela Odera E-mail: titiodera@gmail.com
1430 - 1435	Flone, The Gender Agenda in Transport Equity Discussions	Ms. Naomi Mwaura E-mail: naomi@floneinitiative.org
1435 - 1440	Consultants, Key Design Considerations for Social Equity Achievement	Eng. Catherine Munyi E-mail: munyiahcat@gmail.com
1440 - 1450	KURA, The Urban Road as a Place, space and transport facility	Eng. Pius Kariuki Ndege E-mail: ndegepius3@gmail.com
<b>BREAK</b>		
1500 - 1530	Study Findings – Study results and Observations	Dr. Esdras Ngezahayo E-mail: e.ngezahayo@bham.ac.uk
1530 - 1600	Plenary Session – Discussion of Findings and feedback	Eng. Opuge Email: oeo264@student.bham.ac.uk
1600 - 1610	Closing Remarks –	Eng. Tom Odago/Enock Riro E-mail: topiyo@itec-eng.org E-mail: enock.riro8@gmail.com
1600 - 1610	Vote of Thanks -	PIARC Delegate

# Workshop Objectives:

**Disseminate Study Results, Share Lessons Learnt  
and Initiate debate on Social Equity  
and Accessibility in Kenyan Transport Systems**

## SPEAKER'S BIO



**Dr. Esdras Ngezahayo**

*Assistant Professor - University of Birmingham*

Dr. Esdras is an Assistant Professor in Geotechnical Engineering at the University of Birmingham, UK. His research interests include ground engineering, sustainability, infrastructure resilience and adaptability, erodibility and deformation characteristics of geomaterials, buried infrastructure and facilities, linear transport (road and railway) infrastructure development and asset management. Amongst many others, Esdras is currently working on a special PIARC project that seeks to improve social accessibility and social equity in the world's road transport systems



## **Eng. Opuge Ephraim Obuolloh**

*SE, KeNHA & MSc Student, University of Birmingham*

Eng. OPUGE Ephraim Obuolloh is a Snr Road Design Engineer in KeNHA and currently undertaking an MSc in Road Management and Engineering (RME) at the University of Birmingham. His MSc project is examining the design stage as a potential starting point for sustainable and inclusive design for people with disability. In the road sector, he is passionate about road design, stakeholder engagements, negotiation, and strategic Planning. He considers his work on inclusive design to be an important contribution to the sustainable road development debate. He participated in the special PIARC Study on Assessing Social Equity and Accessibility of Transport Systems. He is a co-author of a paper on "Assessing social equity and accessibility of transport systems for people with disability in Kenya" that will be presented in the 27th World Road Congress in Prague, Czech Republic".



## **Eng. Brian Shikoli**

*SE, KeNHA*

Eng. Brian Shikoli is a Registered Professional Engineer, a member of the institution of Engineers of Kenya and a Graduate of The Nairobi University. He is a Senior Engineer and has been involved in the Design and Construction of Roads and bridges in the Kenya National Highways Authority, KeNHA for over 18yrs. He has gained significant experience in contract management, contract administration, project management, claims and adjudication. He is currently a Resident Engineer for a Multi-Million Highway Construction project for a highway linking important centres of national importance and providing critical linkage to people and communities. He was a participant in the Study and is scheduled to present on the efforts KeNHA is making to ensure People with disability can access the Road and especially through the construction of Road Side Stations being developed on the highways as a means of safety, rest and relaxation and to limit vehicles stopping on the highways.



## **TED Fellow Naomi Mwaura**

*Founding Director of Flone Initiative*

TED Fellow Naomi Mwaura is the founding director of Flone Initiative, an organization that's creating a safe and professional public transport industry in Kenya by influencing behavior change, generating knowledge and movement-building. For the past seven years, Flone Initiative has worked with more than 3,000 public transport workers, over 100 transport stakeholders and 1,000 women professionals to implement interventions. As part of its mission, Flone Initiative hosts the annual Women and Transport Africa Conference. Mwaura was among the leading organizers of MyDressMyChoice protest against gender-based violence in the Kenyan public transport. She has led research projects that have significantly contributed to the knowledge base of gender and mobility issues in developing cities. She is a coauthor of the Flone Initiative "Gender Sensitive Mini-Bus Services and Transport Infrastructure for African Cities Toolkit" in partnership with UN-Habitat. Naomi Mwaura was a participant in this study and will be presenting her thoughts on the gender Agenda in transport. She is passionate about studies that focus on inclusivity and is mobilising others to participate in the study.



**Eng. Angela Odera**  
*PE, PhD Student, Japan*

Eng. Angela Odera, is currently a Principal Engineer, Kenya Rural Roads Authority (KeRRA), she is a Transportation Engineer, Data Science and Analytics Specialist with a Degree and Msc. both from the University of Nairobi. She is Currently a Ph.D Student in Japan at the Shibaura Institute of Technology (SIT) whose Philosophy is " Nurturing engineers who learn from society and contribute to society " She was a participant in the study and will be presenting her perspectives on the work the KeRRA is doing to address the Accessibility issues for people with disability in the Rural Roads in Kenya. She is passionate about learning, giving back to society and is also a Member of the Bridge Repair Sub Working group.



**Eng. Pius Ndege**  
*KURA*

Eng. Pius Ndege is a Graduate of Jomo Kenyatta University of Agriculture and Technology, he is a registered Professional Engineer who started his engineering career as a technician and is currently involved in the Design of Roads and bridges in the Kenya Urban Road Authority. he has a passion for the infrastructure Development for Kenya and is currently an active member of the Bridge repair Sub Working Group, a technical Working Group established by the Joint Coordination Committee (JCC) for the Development of the Kenya Bridge Repair Manual. He was a participant in the Study and is scheduled to present on the efforts KURA is making to ensure People with disability can access the roads that KURA is Developing in the Kenyan Urban Space.



**Eng. Catherine Munyi**  
*Director, InterConsult Consultants*

Eng. Catherine Munyi is a registered professional engineer with experience in Road Design, Construction and maintenance she is currently a Resident Engineer for a Multi-Billion Road Improvement project in the Nyanza region of Kenya - [Lot 1: Mamboleo Junction (A1) – Miwani Section], She has extensive experience in Contract management and Project Management having managed several multi-million projects in Kenya including but not limited to: Ol Joro Orok – Dundori (C83), Uplands – Githunguri – Ngewa (C65) Road and Banana – Ndenderu – Kanunga (C63) and Embu – Kibugu – Kianjokoma – Runyenjes Roads. She was a participant in the study and will be sharing her experience on the interventions they have currently put into the Kisumu – Chemilil – Muhoroni – Kipsitet Road Project. Lot 1: Mamboleo Junction (A1) – Miwani Section.