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EDUCATION

- ❑ BSc. (Civil Engineering), at First Class, 1988, University of Nairobi, Kenya.
 - ❑ Post-graduate Diploma in Transportation and Road Engineering, 1994, IHE/Delft University of Technology, The Netherlands.
 - ❑ MSc. Road Engineering (with Distinction), 1995, IHE/Delft University of Technology, The Netherlands.
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CONTINUING EDUCATION

- ❑ Certificate in Labour-Based Road Engineering, IHE/Delft and International Labour Organisation, 1994.
 - ❑ Certificate, Refresher Course on Urban Mobility and the Environment, IHE Delft, IHS Rotterdam, and P&DM Witwatersrand, Johannesburg, South Africa, 1999.
 - ❑ Certificate, International course on Injury Control and Safety Promotion, TRIPP, Indian Institute of Technology Delhi, and WHO Collaborating Centre Stockholm Sweden, 2000.
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MEMBERSHIP IN PROFESSIONAL BODIES

- ❑ Registered Engineer, Engineers Registration Board, 1997, Nairobi, Kenya.
- ❑ Member, National Transport Forum Group, since 1999.
- ❑ Member, SUSTRAN - Africa, since 2002.

SUMMARY OF PROFILE AND RELEVANT EXPERIENCE

Mr. Opiyo is a Lecturer at the Department of Civil Engineering of the University of Nairobi, Kenya. He delivers lectures for both undergraduate and post graduate students in Transportation and Highways Engineering, Geo-technical Engineering, Engineering Construction Management (project design, evaluation, and economic analyses), and, Computer Applications in Civil Engineering. Mr. Opiyo has been a resource person in capacity building courses in transport planning and facility designs and maintenance for Kenyan Engineers and Planners, Local Authority staff in Kenya and Eastern and Southern Africa, as well as for Somaliland Engineers.

Mr. Opiyo has undertaken many transportation studies and implemented a number of projects in Eastern and Southern Africa region, on short-term contract with a number of national and international consultants, and funded by Governments and various donor agencies. He has gained and applied experiences in the areas of: Non-Motorised Transport; Public transport services; Road safety Engineering; Road infrastructure feasibility studies, design, development and maintenance; Economic analysis of road investments; Monitoring and evaluation of project impacts; and on Private sector investment in infrastructure development and public transport services.

He has vast experience on transport policies of the East African countries, and was engaged as a Resource Person in the formulation and drafting of the Kenyan Integrated National Transport Policy Paper, and a representative of the Department of Civil Engineering (University of Nairobi) in the development of Roads Sub-sector policies for the Kenya Roads Board.

Mr. Opiyo is currently engaged as the Team Leader for the Monitoring and Evaluation (M&E) of the Northern Corridor Transport Infrastructure Improvement Project (NCTIP) of the Ministry of Roads and Public Works, which is being undertaken by the University of Nairobi Enterprises and Services (UNES) Ltd. The NCTIP project is financed by the Kenya Government from an investment loan from the World Bank. The M&E project is a 5-year contract, and was awarded to the University to permit continuity in long term monitoring of the results and their impacts on the economy, and also to ensure quality and sustainability of the monitoring function. In addition, it is expected that the project will contribute to building the capacity of the Transportation Unit at the Department of Civil Engineering of the University.

The M&E contract covers the following areas: (i) Improvement of the quality of the road surface; (ii) Road Safety improvement; (iii) Environmental impacts mitigation; (iv) Socio-economic enhancement; (v) HIV/AIDS mitigation (vi) Capacity building in roads sector

management; and, (vii) Enhancement of safety and security in the maritime and aviation sectors.

Mr. Opiyo is in the process of registering for a PhD study in the area of Monitoring and Evaluation of Transport Corridor Performance.

PAPERS AT PROFESSIONAL MEETINGS

Mr. Opiyo has attended several professional meetings locally and internationally. Some of the papers presented at such meetings are listed below:

1. *KISUMU MOBILITY SITUATION AND DEMONSTRATION INTERVENTIONS*. UN HABITAT/UNEP 2005 Global Meeting, Havana, Cuba, 26th June - 1st July 2005.
2. *FINDINGS AND RECOMMENDATIONS ON PRIVATE SECTOR INVESTMENT IN URBAN PUBLIC TRANSPORT SERVICES IN EASTERN AFRICA*. Kenya National Chamber of Commerce and Industry (KNCCI), Regional Workshop, Nairobi, 1 - 2 December 2004.
3. *THE METAMORPHOSIS OF KENYA BUS SERVICES LIMITED IN THE PROVISION OF URBAN TRANSPORT SERVICES IN NAIROBI, KENYA*. SSATP/World Bank, Urban Mobility Component, 12th Steering Committee Meeting, Maputo, July 1-5, 2002.
4. *SMALL-SCALE PRIVATE TRANSPORT SERVICES IN KENYAN URBAN AREAS: Review of transport needs of the poor, private transport services and Policy Recommendations*. A report prepared for the Kenya Institute for Public Policy Research and Analysis (KIPPRA), Final Draft, July 2002.
5. *HUMAN RESOURCE REQUIREMENTS IN SSA LOCAL AUTHORITIES*, Expert Group Meeting on Low Cost Mobility in African Cities, June 2000, "Velo Mondial 2000"/IHE Delft, The Netherlands.
6. *ENHANCING TRAFFIC SAFETY AND MOBILITY OF NON-MOTORISED TRANSPORT IN URBAN AREAS: The East African Experience*, 5th World Conference on Injury Prevention and Control, March 2000, New Delhi, India.
7. *NON-MOTORISED TRANSPORT IN SSA URBAN AREAS: EXPERIENCES OF THE SSATP NMT PROGRAM IN KENYA AND TANZANIA*, International Forum on Urban Poverty (IFUP) Third International Conference, October 1999, UNCHS (Habitat), Nairobi.
8. *PLANNING AND DESIGN OF A PILOT PEDESTRIAN AND BICYCLE TRACK NETWORK IN NAIROBI, KENYA*, 78th Annual Meeting, January 10 -14 1999, Transportation Research Board, Washington DC, USA.
9. *PARTICIPATORY DECISION MAKING IN NON-MOTORISED URBAN TRANSPORT INFRASTRUCTURE DESIGN*, World Bank Annual Transport Forum, Washington 7-9 April 1998.
10. *PLANNING OF PILOT PEDESTRIAN AND BICYCLE TRACK NETWORK IN EAST NAIROBI*, CODATU VIII, Cape Town, South Africa, 21-25 September 1998.

PUBLICATIONS

1. Opiyo, T: "*EXPERIENCES OF EAST AFRICAN CITIES IN TRAFFIC CALMING*", The Asian Journal, Journal of Transport and Infrastructure, Volume II, No. 1, July 2004, Asian Institute of Transport Development.
 2. Opiyo T, J.H. Koster: "*HUMAN RESOURCE REQUIREMENTS IN LOCAL AUTHORITIES: PRINCIPLES AND CASE STUDY OF KENYA*", Low-Cost Mobility in African Cities, Proceedings of the Expert Group Meeting, Delft, The Netherlands, 21 - 23 June 2000.
 3. Co-author of "*PRODUCTIVE AND LIVEABLE CITIES: GUIDELINES FOR PEDESTRIAN AND BICYCLE TRAFFIC IN AFRICAN CITIES*", World Bank, SSATP, January 2001.
 4. Author: "*MECHANISTIC DESIGN OF LATERITE-BASED PAVEMENTS*", MSc Thesis, March 1995, IHE/TU Delft, The Netherlands.
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SKILLS

<u>Languages</u>	<u>Category</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Kiswahili	Regional language	Excellent	Good	Good
English	Working language	Excellent	Excellent	Excellent
French	International Language	Fair	Fair	Fair

Computer

Proficient in HDM IV, RED models for economic evaluation models, CARD 1 road design model, Microsoft Office program, SPSS, and presentation programs.