

PERSONAL INFORMATION

Address| Mobile

EDUCATION

- **PhD, Sapienza University of Rome (2021 – 2024):** Doctoral School of Civil Engineering and Architecture: Department of Transport and Infrastructure. Research on road safety focused on Developing speed prediction models
- **Università degli Studi di PADOVA (2017 to 2019):** Civil Engineering- LM (Laurea Magistrale-Masters). Credits 110/110..
- **ENSTP (Ecole Nationale Supérieure des Travaux Publics) Yaoundé (2014 to 2019):** Master of Engineering in Civil Engineering (Option: Structures). GPA_C (cumulative): 3.6/4, Level 5 GPA: 3.89.
- **Main Certificates Obtained:** The hidden Side of Energy Access; Essentials of Safety ta Engineering; World Bank Road Safety Academy; iRAP Certification (Star Rating Essentials, Road Attribute coding, Star ratings for designs, Star ratings for Schools etc.); European road safety summer school.
- **Accreditation (2022 to present):** Accredited iRAP supplier on Road Attribute Coding and Analysis & reporting

PROFESSIONAL/ RESEARCH EXPERIENCE

Present

Transport Consultant • World Bank and South Sudan Transport Unit; Global Road Safety Facility, Washington DC; Transport-LAC

Led and coordinated technical initiatives, including technical assessments and the preparation of various complex regional and national grants, which culminated in informed client capacity, action plans for project sustainability, and successful competitive selections of proposals for trust funds.

Collaborated with the Global Road Safety Facility (GRSF) task team, conducting in-depth research on road safety, providing technical support, preparing terms of references, and reviewing consultant submissions and proposals for a global research project on speed management in LMICs.

Collaborated with task team on monitoring the implementation of projects to ensure compliance with road safety, environmental and social safeguards, including Gender-Based Violation (GBV)

November 2021 – December 2024

PhD Research Sapienza University of Rome

Participated in multidisciplinary and interdisciplinary research projects focusing on transport sustainability, climate change, transport automation, transportation modeling, and transportation safety. Developed innovative methodologies and contributed to the dissemination of territorial information.

Led the preparation of a speed management study in low-and middle-income countries (LMICs) to shed lights on the link between speed, road safety and decarbonization and to improve knowledge on the relationship between speed and road safety outcome so as to guide policies in managing this critical public health issue. This involved conducting synthesis and analysis of crash data causes for different LMICs and developing a speed prediction model.

Conducted analytical and advisory services, reviewed deliverables, produced technical reports, performed data and statistical analysis for Italian and European projects funded by Italian ministry and European commission.

Led the preparation of road safety data and interventions review for Uganda Ministry of Works including analysis of crash data bases and other road safety data.

Engaged international research projects such as PANACEA contributing to the analysis of ESRA road safety data on the links between demographics and reported crash risk factors.

Led road safety assessment around Sapienza university involving analysis of crash data and road safety attributes.

Spearheaded research focusing on active mobility assessment, public transport safety, vulnerable road user safety, School safety assessment, Safety performance indicators (vehicle, distraction and speed) in Cameroon. A coupled of activities included collection of crash data, other road safety data, and mobility data and developing of crash models based on these variables.

Led the preparation of research on developing improved crash prevention approaches through in-depth investigation of motorcycle crash causation patterns, based on the analysis of detailed crash data collected in the SaferWheels project.

Collaborated through data research and analysis in the development of the Lazio region (in Italy) logistics and passenger freight models.

Led the preparation, supervision, design, and data collection for the evaluation of speeding safety performance in Italy and contributed to the speeding expert working group at the European level, under the TRENDLINE Project.

Disseminated research findings on speed management at national and international workshops and conferences with a large audience in particular the World Conference on Transport Research Society (WCTRS).

Collaborated on European-level projects, such as the Drive2TheFuture project, through data analysis and methodology definitions to assess the acceptance of automated vehicles and the road safety-related components.

Collaborated with the ITF and World Bank working group on the design, testing, and refining of the safe system approach to road safety.

Delivered lectures in the courses of road safety, research methodology, transport policies, and transportation data collection to Master's students at Sapienza University of Rome and the National Advanced School of Public Works in Cameroon.

Carried training out training of road safety experts and multi stakeholders in Uganda.

Supervised over 20 Master students in their thesis research development, with a special focus on road safety and transport sustainability.

January 2021 - 2022

Transport Consultant • World Bank,

Provided a full range of operational support to the task team in the supervision of transport projects which included a design-build Expressways development project, a performance-based Road sector development project and an Urban Transport Improvement project.

Provided timely technical assistance to task team in reviewing documents prepared by the clients & consultants and the preparation of technical review comments, with a focus on their technical, operational, and institutional adequacy and compliance with Bank policies.

Collaborated with task team in the preparation of a regional integration economic project (The Horn of Africa) and Rural roads program. Contributed to mainstreaming road safety, gender, climate change and Paris alignment into the projects.

Collaborated with task team on analytical and advisory services (ASAs) focused on Urban safety improvement and preparation of technical guidelines. Reviewed consultant followed-up progress, prepared documents to World Bank publication star comments.

October 2021 – January 2024

Sustainable development goal (SDG 11) leader: Global Youth Coalition for Road safety

Developed policy briefs to disseminate insights on the nexus of youth engagement, road safety, and Sustainable Development Goal (SDG) 11, highlighting the impactful role of youth and stakeholders in fostering sustainability, enhancing road safety, and contributing to a safer, healthier environment.

Collaborated with colleagues to craft and promote initiatives aimed at bolstering youth road safety, sharing knowledge on a global and local scale about the critical role of road safety in advancing the SDGs through focused interventions.

Contributed to and critically reviewed a policy brief addressing the intersection of youth, road safety, and SDG target 3.6, offering strategic recommendations for actions to be undertaken by practitioners and young people.

March 2023 – April 2024

Technical Support on Local Action Project • WAKA FINE TO SCHOOL

Implemented the Star Ratings for Schools (SR4S) program using iRAP methodologies for 14 schools in Yaoundé, devising strategic countermeasures to elevate road safety. This involved collection and analysis of crash data and road attributed data in selected urban roads.

Spearheaded a research initiative to evaluate road safety attitudes, knowledge, and behaviors among 1,200 students in Yaoundé, resulting in the formulation of recommendations for road safety improvements by school authorities and the city officials.

Supported advocacy efforts with city officials to facilitate the implementation of road safety recommendations and countermeasures based on the iRAP SR4S evaluations.

March 2023 – April 2024

Cameroon Road Safety Local Action Project Leader • Youths

Spearheaded the development of a road safety local action program aimed at enhancing the health and well-being of youth (aligned with SDG3) through post-crash response and capacity building initiatives in Yaoundé.

Directed a dynamic team of over 160 young individuals in implementing project activities, successfully training 80 motorcycle riders in safety practices and post-crash care, educating 48 women on safe mobility and gender-based violence prevention, and certifying 50 youths (including girls) in post-crash care. Engaged 1,000 community members in road safety through awareness campaigns using artistic medium. Facilitated three youth-led advocacy meetings and conducted negotiations with government officials to promote road safety. Organized two national dialogues on road safety that were broadcast live on national television.

Enhanced the road safety knowledge and skills of more than 200 young people in Cameroon, bolstering their engagement and participation in international platforms such as the Global Youth Coalition for Road Safety. This included collaboration and engagement with national youth focused organizations like Open Dreams, Young Christian Workers.

Orchestrated the design of a proposed road safety curriculum for Cameroonian schools and implemented a pilot program in six schools, impacting over 1,200 students.

Conducted a comprehensive study to assess the attitudes, knowledge, and behaviors related to road safety among young motorcycle riders, and provided policy recommendations for city council and government delegate.

Conducted targeted advocacy meetings with the Ministry of Youth Affairs and the Regional Delegation of Youth Affairs in Cameroon, focusing on the enhancement of road safety for young individuals.

January 2019 – December 2020

Research Assistant • ENSTP Yaoundé

Conducted dissemination activities, educating master's students on effective research strategies.

Contributed to a World Bank-funded research project through data collection and comprehensive reporting.

Led a research subgroup focused on examining the role of insurance companies in road safety strategies.

Collaborated with task team through data collection and reporting in the preparations of deliverables under the SaferAfrica Project funded by the European commission for the creation of a scientific and institutional Dialogue Platform.

January 2019 – December 2020

Civil Engineer and Task team leader • Protect Your Environment

Directed a diverse team of 23 staff members across the nation, fostering strong collaboration and communication among all regions.

Created and disseminated training materials focused on environmental protection education.

Organized and facilitated training for 30 trainers specializing in environmental protection.

Orchestrated and executed educational programs for over 10,000 college students in Yaoundé, raising awareness about health and environmental protection.

Oct 2018 – Dec 2019

Professional Civil Engineer intern • COMPETING BET

Played a supervisory role in the construction of road works near Japoma Stadium in Douala, as part of the consulting team.

Monitored project progress and adherence to schedules, proactively addressing and resolving construction challenges.

Ensured compliance with design standards and guidelines by contractors, reviewed design proposals, and recommended enhancements for improvement.

SKILLS & INTEREST

- Team Management (Advanced)
- Academic and research writing (Excellent)
- Organizational skills (Advanced)
- Written and communication skills (Advanced)

- Technical skills: Microsoft word, Excel, MS Project, publisher, SPSS, AutoCAD, R-programing.
- Interest: International Development; Sustainable Development Goals; Community Involvement; Road safety awareness; Climate Change

LANGUAGE

English: Proficient

French: Intermediate

Italian: Beginner

RELEVANT PUBLICATIONS

Fondzenyuy, S. K., Turner, B. M., Burlacu, A. F., & Jurewicz, C. (2024). The contribution of excessive or inappropriate speeds to road traffic crashes and fatalities: A review of the literature. *Transportation Engineering*, 17, 100259. <https://doi.org/10.1016/J.TRENG.2024.100259>

Fondzenyuy, S. K., Steven, C., Fotso, F., Ludivin, S., Feudjio, T., Usami, D. S., & Persia, L. (2024). Self-Reported Speed Compliance and Drivers Speeding Behaviour in Cameroon. *Future Transportation 2024*, Vol. 4, Pages 659-680, 4(2), 659-680. <https://doi.org/10.3390/FUTURETRANSP4020031>

Fondzenyuy, S. K., Turner, B. M., Burlacu, A. F., & Jurewicz, C. Ludivin, S., Feudjio, T., Usami, D. S., & Persia, L (2024). The Impact of Speed Limit Change on Emissions: A Review of Literature. *Sustainability* <https://doi.org/10.3390/su16177712>

Fondzenyuy, S. K., Jackai, I. N., Feudjio, S. L. T., Usami, D. S., Gonzalez-Hernández, B., Wounba, J. F., Elambo, N. G., & Persia, L. (2024). Assessment of Sustainable Mobility Patterns of University Students: Case of Cameroon. *Sustainability 2024*, Vol. 16, Page 4591, 16(11), 4591. <https://doi.org/10.3390/SU16114591>

Fondzenyuy, S.K., Shingo Usami, D., González-Hernández, B., Brown, L., Morris, A., & Persia, L. (2024). Developing improved crash prevention approaches through in-depth investigation of motorcycle crash causation patterns. *Heliyon*, 10(12). <https://doi.org/10.1016/J.HELİYON.2024.E32866>

Feudjio, S. L. T., Tchaheu, D. T., Fondzenyuy, S. K., Jackai, I. N., Usami, D. S., & Persia, L. (2024). Investigating and Improving Pedestrian Safety in an Urban Environment of a Low- or Middle-Income Country: A Case Study of Yaoundé, Cameroon. *Future Transportation 2024*, Vol. 4, Pages 548-578, 4(2), 548-578. <https://doi.org/10.3390/FUTURETRANSP4020026>

Feudjio, S. L. T., Tchinda, B. J. F., Fondzenyuy, S. K., Usami, D. S., & Persia, L. (2024). Evaluating Distraction Safety Performance Indicators in an Urban Area of a Low- or Middle-Income Country: A Case Study of Yaoundé, Cameroon. *Future Transportation 2024*, Vol. 4, Pages 491-517, 4(2), 491-517. <https://doi.org/10.3390/FUTURETRANSP4020024>

Usami, D. S., Capkin, S. O. K., Shevchenko, A., & Fondzenyuy, S. K. (2023). Acceptance of Automated Vehicles: Case Study of Drive2theFuture Project. *Transportation Research Procedia*, 72, 3094-3101. <https://doi.org/10.1016/J.TRPRO.2023.11.862>

Seunda Ekwe, I. K., Fondzenyuy, S. K., Feudjio Tezong, S. L., Wounba, J. F., Usami, D. S., & Persia, L. (2024). Assessment of Public Transportation Safety Measures in Yaoundé, Cameroon: Case of Collective Taxis. *Future Transportation*, 4(4), 1402-1429. <https://doi.org/10.3390/futuretransp4040068>

Fondzenyuy, S. K., Usami, D. S., Persia, L., & Taniform, P. (2023). Review of Speed and road crashes relationship in low-and -middle- income countries. Do the power and exponential models hold? *Transportation Research Procedia*. <https://doi.org/10.1016/j.trpro.2024.12.028>

Fondzenyuy, S. K., Turner, B. M., Burlacu, A. F., & Jurewicz, C. (2024). Speed Management Research: A Summary Comparison of Literature Between High-Income and Low and Middle-Income Countries. In Washington, DC: World Bank (Vol. 12, Issue 126). <https://www.globalroadsafetyfacility.org/publications/speed-management-research-summary-comparison-literature-between-high-income-and-low>

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