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EDUCATION

- Ph.D., Civil Engineering 2010
University of Nevada, Las Vegas, NV, USA.
- MS., Civil Engineering 2006
Florida State University, Tallahassee, FL, USA.
- BS., (*First Class Hons. and Top of Class*) Civil Engineering 2003
University of Dar es Salaam, Tanzania

PROFESSIONAL REGISTRATION

- EIT (EI No. OT5843 Nevada)

PEER REVIEWED JOURNAL PAPERS

5. **Mauga, T.** Minimum Roadside Clearance Offsets on the Inside of Reverse Curves Based on Flat Spirals. *The Journal of Transportation Technologies*, Vol. 5, No. 3, 2015, pp. 169-184.
4. **Mauga, T.** New Spiral Curves for Appropriate Transition of Minimum Roadside Clearance on Simple Curves. *The Journal of Transportation Technologies*, Vol. 5, No. 3, 2015, pp. 141-158.
3. **Mauga, T.** Horizontal Clearance Offsets to Objects Higher Than Sightlines. In Transportation Research Record, *The Journal of Transportation Research Board*, No. 2436, Highway Design 2014, Vol.1, Transportation Research Board of the National Academies, Washington, D.C., 2014, pp. 23-31.
2. **Mauga, T.**, M. Ghanma, and K. Ahmed. Roadside Clearance Limit on Horizontal Curves with Transition Arcs: Sites with Circular Arcs Shorter than Sight Distance. In Transportation Research Record, *The Journal of Transportation Research Board*, No. 2358, Transportation Research Board of the National Academies, Washington, D.C., 2013, pp. 20-28.
1. **Mauga, T.** and M. Kaseko. Modeling and Evaluating Safety Impacts of Access Management Features in the Las Vegas Valley. In Transportation Research Record, *The Journal of Transportation Research Board*, No. 2171, Transportation Research Board of the National Academies, Washington, D.C., 2010, pp. 57-65.

PEER REVIEWED CONFERENCE PAPERS

- 13. Mauga, T.** Horizontal Clearance Offsets to Objects on Insides of Reverse Curves. Presented at the 94th Annual Meeting of the Transportation Research Board, CD-ROM, 2015, Washington, D.C., pp 235.
- 12. Mauga, T.** Horizontal and Vertical Roadside Clearance Offsets with Cross-Section Views. Presented at the 94th Annual Meeting of the Transportation Research Board, CD-ROM, 2015, Washington, D.C., pp 235.
- 11. Mauga, T.** Maximum Height of Roadside Objects on Inside of Horizontal Curves. Presented at the 93rd Annual Meeting of the Transportation Research Board, CD-ROM, 2014, Washington, DC., pp 213.
- 10. Mauga, T.** Horizontal Clearance Offsets to Objects Higher Than Sightlines. Presented at the 93rd Annual Meeting of the Transportation Research Board, CD-ROM, 2014, Washington, DC., pp 118.
- 9. Mauga, T.** Extension of AASHTO Model for Horizontal Sightline Offset to Apply to Beginnings and Ends of Simple Horizontal Curves. Presented at the 92nd Annual Meeting of the Transportation Research Board, CD-ROM, 2013, Washington, DC.
- 8. Mauga, T., M. Ghanma, and K. Ahmed.** Roadside Clearance Limit on Horizontal Curves with Transition Arcs: Sites with Circular Arcs Shorter than Sight Distance. Presented at the 92nd Annual Meeting of the Transportation Research Board, CD-ROM, 2013, Washington, DC.
- 7. Kaseko, M. and T. Mauga.** Evaluating the Impacts of Spacing between Median Openings on Traffic Safety of Urban Arterials. Presentation at the 90th Annual Meeting of the Transportation Research Board, CD-ROM, 2011, Washington, DC.
- 6. Mauga, T. and M. Kaseko.** Modeling and Evaluating Safety Impacts of Access Management Features in the Las Vegas Valley. Presented at the 89th Annual Meeting of the Transportation Research Board, CD-ROM, 2010, Washington, DC.
- 5. Mauga, T. and M. Kaseko.** Traffic Dynamics around Emergency Vehicles on Urban Freeways. Presented at the 88th Annual Meeting of the Transportation Research Board, CD-ROM, 2009, Washington, DC.
- 4. Mauga, T. and M. Kaseko.** Modeling Urban Interaction between Emergency Vehicles and Other Vehicles. Presented at the 87th Annual Meeting of the Transportation Research Board, CD-ROM, 2008, Washington, DC.
- 3. Mauga T.** Modeling Maneuvers Performed by Emergency and Regular Vehicles on Urban Streets Using VISSIM Environment. Presented at the 15th Fall Transportation Conference, 2007, Las Vegas, NV.

2. **Mauga, T.** and R. Moses. Investigating the Use of Dual Tire Variable for Vehicle Classification. Presented at the 86th Annual Meeting of the Transportation Research Board, CD-ROM, 2007, Washington, DC.
1. **Mauga, T.** Analysis of Dual Tire Variable for Classifying Truck Traffic According to Scheme F. Presented at the 86th Annual Meeting of the Transportation Research Board, CD-ROM, 2007, Washington, DC.

COURSES TAUGHT

Spring 2015: CIVL 358 Surveying for Arch. Eng., and Senior Design I
Fall 2014: CIVL 433 Highway Engineering, and Senior Design II
Spring 2014: CIVL 358 Surveying for Arch. Eng., GENG 215 Engineering Ethics, and Senior Design
Fall 2013: CIVL 433 Highway Engineering, CIVL 335 Surveying, and Senior Design II
Spring 2013: CIVL 358 Surveying for Arch. Eng., and Senior Design I
Fall 2012: CIVL 433 Highway Engineering, CIVL 335 Surveying, and Senior Design I
Spring 2012: CIVL 358 Surveying for Arch. Eng., and Senior Design II
Fall 2011: CIVL 433 Highway Engineering, and Senior Design I
Summer 2011: EGG 307 Engineering Economics (UNLV)
Spring 2011: EGG 241 Statics (UNLV)

PROFESSIONAL SOFTWARE

- Civil 3D 2016
- VISSIM (plus VisVAP/VAP)
- CORSIM
- TRANSIT7F
- HCS
- Synchro
- GIS (ArcGIS and ArcView)
- LAStools

STATISTICAL SOFTWARE

- Stata
- R

ACADEMIC HONORS

11. *University of Nevada, Las Vegas, USA.*

Outstanding Graduate Student for the Academic Year 2010-2011 in the Department of Civil and Environmental Engineering, 2011.

10. University of Nevada, Las Vegas, USA.

Two time recipient of Graduate college grant (GREAT) for summer research, 2007 and 2008.

9. Engineers Registration Board, Tanzania

Certificate for Engineering Excellence for Being the Best Final Year Student in Civil Engineering, 2004.

8. Ministry of Science, Technology and Higher Education, Tanzania

Certificate for Excellent Performance for Being the Best Fourth Year Student in Civil Engineering, 2003.

7. National Estates and Engineering Design, Tanzania

Certificate for Excellent Performance for Being the Best Final Year Student in Civil Engineering, 2003.

6. Institution of Engineers, Tanzania

Certificate for Excellent Performance for Being the Best Fourth Year Student in Civil Engineering, 2003.

5. Tanzania Breweries Ltd., Tanzania

Certificate for Excellent Performance for Being the Overall Best Final Year Student in Civil Engineering, 2003.

4. University of Dar es Salaam, Tanzania

Certificate for Excellent Performance for Being the Best Student in the Final Year Degree Examination, 2003.

3. University of Dar es Salaam, Tanzania

Certificate for Excellent Performance for Being the Best Third Year Student in Civil Engineering, 2002.

2. University of Dar es Salaam, Tanzania

Certificate for Excellent Performance for Being the Best Third Year Student in Construction Management and Site Organization, 2002.

1. University of Dar es Salaam, Tanzania

Certificate for Excellent Performance for Being the Best Third Year Student in Hydraulic and Water Resources Engineering, 2002.