

Dr. Ignatius Fomunung

Education

- Ph.D., Civil & Environmental Engineering, Georgia Institute of Technology, 2000
- M.S., Civil Engineering (Transportation), Georgia Institute of Technology, 1996
- M.S., Physics, Clark Atlanta University, 1995
- B.S., Civil Engineering, Nanjing Institute of Technology, 1987

Academic experience

- University of Tennessee at Chattanooga, Associate Professor, 2005 - Present (FT)
- Clark Atlanta University (CAU), Assistant Professor, 2000 – 2005 (FT)
- PhD Research Scientist, CAU, 2000 (FT)
- Spelman College, Visiting Assistant Professor of Physics, 2000 (FT)
- Georgia Institute of Technology, Graduate Teaching Assistant, 1999 (PT)
- Georgia Institute of Technology, Graduate Research Assistant, 1995-1999 (PT)
- Clark Atlanta University, Graduate Research Assistant, 1993-1995 (PT)
- Clark Atlanta University, Graduate Teaching Assistant, 1993-1995 (PT)

Non-academic experience

- Del Monte Corporation, Civil Engineer, 1991-1993 (FT)
- Cameroon Development Corp., Civil/Hydraulic Engineer, 1988-1991 (FT)

Certifications or professional registrations

None

Current membership in professional organizations

- IAJC – International Review Board Member. Since March 2014
- 2040 Regional Transportation Plan, Core Technical Team (CTT) Member. Since 2012
- Institute of Transportation Engineers (ITE)
- American Society of Civil Engineers (ASCE); Secretary, Treasurer and President of the Chattanooga Branch of ASCE 2007 - 2010.
- American Physical Society (APS)
- Transportation Research Board Committee A1F03, Transportation and Air Quality: “friend” and paper reviewer, since 1997.
- Transportation Research Board Committee ABJ80, Statistical Methodology and Statistical Computer Software in Transportation Research: “friend” of committee since 1999

Honors and awards

College of Engineering, UTC, Outstanding Performance Faculty Award: EDO rating “Exceeding Expectations” at UTC 2014/2015.

Service activities (within and outside of the institution)

- Chattanooga Active Living Summit (CALs), UTC
- UC Foundation Strategic Initiative Grants: Review Panelist
- International Conference on Health Monitoring of Structure, Material & Environment Session Chair
- NSF GK-12 Review Panelist, National Science Foundation, Washington DC
- US-Africa Advanced Studies Institute, Durban, South Africa, Co-Organizer and Session Chair
- Institute of Transportation Engineers (ITE)
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Briefly list the most important publications and presentations from the past five years

- “Mixture Parameters, Fresh and Hardened Properties of Self-Consolidating Concrete (SCC)-A Survey of Current Practice in the U.S”. Benjamin Byard, Ammar El Hassan Joseph Owino, Ignatius Fomunung, Mbakisya Onyango, Alex Brent Rollins Submitted to TRB 2015
- “Effects of Wax Emulsion Admixture on Compressive Strength and Surface Characteristics of Roller Compacted Concrete”. Ignatius Fomunung, Joseph Owino, Brent Rollins. International Journal of Transportation Technology Transfer in Africa (IJT2A) vol. 1, no. 2, Dec. 2014" edition
- “The Recent Development in Roller Compacted Concrete”. Joseph Owino, Ignatius Fomunung, Mohammed Khalafala. International Journal of Transportation Technology Transfer in Africa (IJT2A) vol. 1, no. 2, Dec. 2014" edition
- “Evaluation of Two Pavement Rehabilitation Techniques for Municipal Roads”, Ignatius Fomunung, Joseph Owino, Mbakisya Onyango, Ammar El Hassan, ASCE Geotechnical Special Publication Nos 236-243, Proceedings of the 2014 Geo- Shanghai International Conference, Shanghai, Edited by Wenqi Ding, Lianyang Zhang, Xiaojun Li, and Xiong Zhang, China 2014.
- “Pavement Management Analysis of Hamilton County Using HDM-4 and HPMA “ Trisha Sen, Mbakisya Onyango, Joseph Owino, Ignatius Fomunung, Jim Maxwell, Benjamin Byard. Accepted for publication International Road Federation (IRF) Examiner, Summer 2014.

Briefly list the most recent professional development activities

- Motor Vehicle Emission Simulator (MOVES) Hands-On Training Course, US Environmental Protection Agency (USEPA), Atlanta, GA September 22-23, 2015
- American Society of Civil Engineers Practitioner and Faculty Advisor Workshop, August 17-19, 2007