

1. Name: **Mbakisya Onyango**
2. Education – degree, discipline, institution, year
  - Ph.D., Civil Engineering (Transportation), Kansas State University, 2009
  - M.S., Civil Engineering (Transportation), University of Birmingham, Britain, 1995
  - B.S., Civil Engineering (Structures), University of Dares Salaam, 1992
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time
  - University of Tennessee at Chattanooga, Assistant Professor, 2010 – Present (FT)
  - Kansas State University, Visiting Professor, 2009 (FT)
  - Kansas State University, Graduate Research Assistant, 2005 – 2009 (PT)
  - Kansas State University, Teaching Assistant, 2004 – 2008 (PT)
  - National Council for Technical Education, Head of Information Research and Development Division, 2001 – 2004 (FT)
  - Technical College Arusha, College Registrar, 1997 – 2000 (FT)
  - Technical College Arusha, Head of Soil, aggregates and Bitumen Laboratory, 1996 – 2000 (FT)
  - Technical College Arusha, Faculty, 1993 – 2000 (FT)
4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time
  - Pozzolan Materials Pilot Study, COWI Consult, Consulting Senior Materials Engineer, 1999 – 2000 (FT)
5. Certifications or professional registrations
  - Registered Engineer, Engineers Registration Board, Tanzania.
6. Current membership in professional organizations
  - Technical Committee Member: International Symposium on Systematic Approaches to Environmental Sustainability in Transportation. For the Center for Environmentally Sustainable Transportation in Cold Climates (CESTiCC)
  - Member American Society of Civil Engineers (ASCE)
  - University representative, Transportation Research Board (TRB)
  - Member, American Society of Engineering Education (ASEE)
  - Member, Sisters of the Academy (SOTA)
  - Member, Text and Academic Authors Association (TAA)
  - Member, National Society for Black Engineers (NSBE) UTC Chapter
  - Associate Member, Institute of Transportation Engineers (ITE)
7. Honors and awards
  - College of Engineering, UTC, Outstanding Performance Faculty Award: EDO rating “Exceeding Expectations” at UTC 2013/2014.

- Department of Civil Engineering, College of Engineering, UTC, Outstanding Faculty Researcher, 2011, and 2013.
  - Access and Diversity, UTC Professional Development Fund award (\$2,375), 2013.
  - Major Sponsor Scholar award (\$1,500), March 2009.
8. Service activities (within and outside of the institution)
- Reviewer, 4 manuscripts, one for Geo-Shanghai International conference, held in Shanghai China, May 2014; and three papers for the International Society of Asphalt Pavements (ISAP) Conference on Asphalt Pavements, held in NC, USA.
  - Conducted 7 free ACT Workshops to Chattanooga high school students with NSBE UTC Students Chapter
  - 2010 – Present Attended with NSBE students one annual NSBE convention and sought funding for students to attend three more conventions in 2011 - 2014.
  - Panelist, NSF Grants Evaluation, 3 different panels
9. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation
- Gedafa, D., Hossain, M., Romanoschi, S., Onyango M. “Effects of Binder and Mix Properties on the Evolution of Mechanistic Responses of the Accelerated Pavement Testing (APT) Sections” Peer Reviewed conference proceedings, Transportation Research Board (TRB) Compendium of Papers, Washington D.C., January 2015.
  - El Hassan, A., Owino, J., Fomunung, I., Byard, B., Onyango, M., Rollins, B. “The Impacts of Visual Stability Index on Flowability and Segregation Properties of Self – Consolidating Concrete”. Peer Reviewed conference proceedings, Transportation Research Board (TRB) Compendium of Papers, Washington D.C., January 2015.
  - Onyango, M., Malyuta, D., Owino, J. Chimba, D., “Verification of Pavement Marking Degradation Models using Eastern Tennessee Pavement Marking Retroreflectivity Data” Presented at the Pan African Conference on Science Computing and Telecommunications, Arusha, Tanzania July 2014. Accepted for Special publication on IEEE Journal.
  - Onyango, M., Sen, T., Fomunung I., Owino J. “Evaluation of Treatment Choice, User Cost and Fuel Consumption of Two Roadways in Hamilton County TN Using HDM-4” Peer Reviewed Conference proceedings of the 4th Annual International Conference on Civil Engineering, Structural Engineering and Mechanics, Athens, Greece, May 2014.
  - Onyango M., Romanoschi S. “Verification of Mechanistic Prediction models for Asphalt mixes” ASCE Geotechnical Special Publication Nos 241-250, Proceedings of the 2014 Geo-Shanghai International Conference, Shanghai, Edited by Wenqi Ding, Lianyang Zhang, Xiaojun Li, and Xiong Zhang, China 2014.
10. Briefly list the most recent professional development activities  
None in the last five years