

Mr. Wolday D. Abrha

Education

- Ph.D. Candidate, Industrial and Systems Engineering, University of Tennessee, Knoxville, Expected Graduation 2018
- M.S., Engineering Technology, Middle Tennessee State University, 2007
- B.S., Industrial Engineering, Mekelle University, Ethiopia, 2001

Academic experience

- University of Tennessee, Chattanooga, Engineering Management and Technology Visiting Assistant Professor, August 2017 – Present
- University of Tennessee, Knoxville, Department of Industrial and Systems Engineering, Grad Research Assistant, August 2012 – July 2017
- Middle Tennessee State University, Murfreesboro, Department of Engineering Technology, Grad Teaching Assistant, August 2005 – December 2007
- Mekelle University Ethiopia, Department of Industrial Engineering, Assistant Lecturer, July 2003 – August 2005
- Poly Institute of Technology, Ethiopia, Automotive Technology and General Mechanics Programs, Adjunct Lecturer, September 2003 – June 2004,

Non-academic experience

- Allegis Group Inc., Nashville, Quality Engineering/Assurance Specialist, February 2008 – August 2012.
- Saint Thomas Rutherford Hospital, Murfreesboro, Intern in Quality Department - Lean Six Sigma Project Team Leader, May 2007 – August 2007.
- Messebo Cement Factory, Ethiopia, Maintenance Planning Head, Parts Engineer, and Training Coordinator, August 2001 – August, 2003.
- Addis Pharmaceutical Factory, Ethiopia, Industrial Engineer – Intern, May 2000 – August 2000.

Certifications or professional registrations

- Certified Six Sigma Green Belt, 2007
- Certified Lean Manufacturing, 2007

Current membership in professional organizations

- American Society for Quality (ASQ), 2018 – present
- American Society for Engineering Management (ASEM), 2017 – present
- Institute of Industrial and Systems Engineers (IISE), 2013 – 2017
- Society of Manufacturing Engineers (SME) @ Middle Tennessee State University, 2005 –2007

Honors and awards

- Outstanding Service, University of Tennessee, Chattanooga, 2018
- Chancellor's Extraordinary Professional Promise, University of Tennessee, Knoxville, 2017
- Nominated for the Procter and Gamble's 26th F.I.R.S.T conference, 2016
- Best paper award (2nd place) from IIE's Lean Six Sigma conference, 2014

Service activities (within and outside of the institution)

- Mentor (Academic), The Company Lab (Co-Lab), 2018 - present
- Member, Scholarship Committee, College of Engineering and Computer Science, 2017 – present
- Faculty Adviser, Engineering Management Club, 2017 - present
- Reviewer of papers for the American Society of Engineering Education annual conference, October 2017 – present
- Reviewer of papers for RedFame's Studies in Engineering and Technology Journal, April 2016 – Present
- Reviewer of papers for the Institute of Industrial and Systems Engineering annual conference, 2015
- Reviewer of papers for the Institute of Industrial and Systems Engineering's Engineering Lean and Six Sigma conference, 2014

Briefly list the most important publications and presentations from the past five years

- "Application of Lean Principles to Improve Productivity of Maintenance Function: a Case Study" Abrha, W. D., Sawhney, R. S., Patlolla, D. R., De Anda, E. M., Reyes, J. C., Ruiz, E. R. Z., & Mei, H. (2015, January). In IIE Annual Conference. Proceedings (p. 1879). Institute of Industrial and Systems Engineers (IISE).
- "Productivity Improvement of Packaging and Shipping Using Lean Principles: a Case Study". Patlolla, D., Sawhney, R., Abrha, W., and De Anda, E.M. (2014). In IISE Engineering Lean and Six Sigma Conference. Orlando, FL, September 29 – October 1, 2014. Institute of Industrial and Systems Engineers (IISE).
- "Application of discrete-event simulation in acute care's capacity analysis". Yang, H., Sawhney, R., & Abrha, W. (2014, July). In Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2014), International Symposium on (pp. 528-535). IEEE.

Briefly list the most recent professional development activities

- Completed Quality Matter's Applying QM Rubric (APPQMR) workshop, October 17 – 31, 2017
- Completed the "New Faculty Pedagogy Course", University of Tennessee, Chattanooga, August 2017
- Presented poster at Procter and Gamble's F.I.R.S.T. conference, Cincinnati, OH, 2016
- Presented at IISE annual conference, Nashville, TN, 2015
- Presented at SPECTS conference, Monterey, CA, 2014
- Presented at IISE's Engineering Lean and Six Sigma conference, Atlanta, GA, 2013