



Betsha Tizazu Abreham

Position: Production Systems Engineering Holder

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Education:

- ✓ Ph.D., in industrial Management, at the National Taiwan University of Science and Technology
- ✓ M.Sc., in industrial Engineering (Production Engineering and Management) , at Bahir Dar Technology Institute, Bahir Dar University

Courses:

- ✓ Production and Operation Management, Food Supply Chain Management, Green Supply Chain Management, Production costing and control, Advanced Facility Design, and Ergonomics and work-study

Research:

Professional Experience:

- ✓ Assistant Professor - November 2020 to date
Giving lectures, preparing course materials, doing research, advising students, and participating in community service activities
- ✓ Lecturer - October 2013 to September 2016
Giving lectures, preparing course materials, doing research, advising students, and participating in community service activities

Research Interests:

- ✓ Human-centered innovation, Human-Robot Collaboration (cobots), Human Motion Analysis and Simulation, Human Machine Interaction
- ✓ Ergonomic Design Evaluation, Occupational Biomechanics
- ✓ Virtual Reality, User Experience, Usability study
- ✓ Optimization of Industrial Systems
- ✓ Lean Manufacturing, Total Productive Maintenance
- ✓ Sustainable supply chain management
- ✓ Productivity improvement

Publications:

- ✓ Kinematics of direct reaching in head-mounted and stereoscopic widescreen virtual environments
- ✓ Effects of displays on a direct reaching task: A comparative study of head mounted display and stereoscopic widescreen display

- ✓ Exocentric Distance Judgment and Accuracy of Head-Mounted and Stereoscopic Widescreen Displays in Frontal Planes
- ✓ Anthropometric data of Bahir Dar city adult men for Clothing Design
- ✓ Developing Anthropometric Standards for Ethiopian Clothing Design

Conference:

- ✓ Retaining Talent in Ethiopia's Booming Textile Industry: Key Drivers and Proposed Strategies” at EAI ICAST 2024 - 12th EAI International Conference on Advancements of Science and Technology, November 1-3, 2024, Bahir Dar, Ethiopia
- ✓ Factor Affecting Inventory Management System of Ethiopian Apparel Manufacturing Industries” at EAI ICAST 2024 - 12th EAI International Conference on Advancements of Science and Technology, November 1-3, 2024, Bahir Dar, Ethiopia
- ✓ Retaining A study of Barrier of Total Productive Maintenance Implementation (BTPMI) using Integrated Approach of Fuzzified Interpretive Structural Modeling (FISM) and Structural Equation Modeling (SEM): A case-specific Review” at EAI ICAST 2024 - 12th EAI International Conference on Advancements of Science and Technology, November 1-3, 2024, Bahir Dar, Ethiopia
- ✓ Keynote speaker entitled with “Ergonomics role amidst COVID 19: student perspective” at ERGOCAMP V 20, August 14 2020, University of Brawijaya, Indonesia.
- ✓ A Comparative Study of Interaction Performance in Head Mounted Display and Stereoscopic Wide Screen Display at Asia Pacific Industrial Engineering and Management Society conference, December 3-6, 2017, Yogyakarta, Indonesia.