



YIBELTAL ANTEHUNE GN ADMAS

Position: Lecturer in Faculty of Mechanical and Industrial Engineering (FMIE)

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Education:

- ✓ MSc., in Automotive Engineering, at Addis Ababa Science and Technology University
- ✓ BSc., in Mechanical Engineering, at Bahir Dar Institute of Technology, Bahir Dar University

Courses:

- ✓ Advanced Vehicle Dynamics, Engineering Mechanics (Dynamics), Vehicle driving, Automatic Control, Linear Control Theory, Digital Control.

Research:

- ✓ Vehicle Dynamics & Control (UGV & UAV),
- ✓ MATLAB/Simulink, Python, Solid work

Professional Experience:

- ✓ Lecturer at FMIE, Bahir Dar Institute of Technology, Bahir Dar University, Bahir Dar, Ethiopia, 2022 to present
- ✓ Lecturer at Woldia University, Woldia, Ethiopia, 2021-2022
- ✓ Assistant Lecturer at Woldia University, Woldia, Ethiopia, 2016-2018

Research Interests:

- ✓ Vehicle Dynamics & Control, Motion Planning of fully Autonomous vehicles (UAV & UGV), Artificial intelligence for Autonomous Vehicles or Robotics.

Publications:

- ✓ Controlling of 3 DOF car model active suspension system using Adaptive Neuro Fuzzy Inference System controller.
- ✓ Control of 8 DOF vehicle model suspension system by designing Second order SMC Controller.

Reference:

- ✓ **Mebaye Belete Mamo**, PhD Fellow, University of Agder, Norway (mebaye.belete.mamo@uia.no)
 - Former MSc Thesis Advisor, Addis Ababa Science and Technology University
- ✓ **Assoc. Prof. Bereket Haile Woldegiorgis**, Dean of FMIE, Bahir Dar Institute of Technology, Bahir Dar University, Ethiopia (berekethi12@gmail.com)