

# Seminar Presentation

Friday, December 20/2024 (2:00 PM)

**BAHIR DAR INSTITUTE OF TECHNOLOGY  
FACULTY OF MECHANICAL AND INDUSTRIAL  
ENGINEERING**



Seminar topic:

Bio-inspired fluid-structure interaction (FSI); case studies on cluster vertical axis wind turbines and DJI phantom 3 drone propeller

**Short Biography:**

Dr. Muluken Temesgen is an Assistant Professor at the Bahir Dar Institute of Technology's Faculty of Mechanical and Industrial Engineering. He joined the faculty as a Lecturer, where he has contributed significantly as a researcher and educator.

Dr. Muluken began his Ph.D. studies in Sustainable Energy Engineering in September 2018 and successfully graduated in 2022. His research focuses on wind energy, aerodynamics, and computational fluid dynamics using OpenFOAM, with a particular interest in hydrokinetic energy systems.

Recently, he has been engaged in innovative projects involving bio-inspired structures aimed at enhancing the efficiency of wind turbines, drone propellers, and airplane wings. Dr. Muluken is passionate about advancing sustainable energy solutions and is dedicated to educating the next generation of engineers.