



Alwathiqbellah Ibrahim

Assistant Professor

Biographical Sketch:

Dr. Alwathiqbellah Ibrahim graduated with a Ph.D. degree in Mechanical Engineering from the State University of New York at Binghamton. He continued his training as a postdoctoral fellow at Binghamton University. Dr. Ibrahim joined the University of Texas at Tyler in 2019 and is currently serving as an Assistant Professor in the Department of Mechanical Engineering within the College of Engineering at The University of Texas at Tyler in Tyler, Texas.

Dr. Ibrahim was involved in several synergistic, research, and education activities to support the mission of UT-Tyler. The proposed activities include participating as secretary to the ASME Technology and Society Executive board (2019-current), a member at ASME- Energy Harvesting Technical Committee (EHTC) (2019-current), ASME student organization advisor at UT-Tyler (2019-current). Furthermore, Dr. Ibrahim is an active reviewer for several journals/proceedings (2016-current). Moreover, Dr. Ibrahim is an active member of several committees at The University of Texas at Tyler, such as the ME Graduate committee, College of Engineering Faculty Governance Organization (COEFGO) committee, and College of Engineering Strategic Action and Development Plan Vision committee to address research challenges impacting the quality of life and economic competitiveness.

Research Interest:

Dr. Ibrahim's scientific interest focus on micro-electro-mechanical systems (MEMS) and energy harvesting with implementation in health monitoring systems, biosensors, and vibration energy harvesting. Dr. Ibrahim is the head of the Mechatronics and Energy Harvesting Laboratory and leading different research topics including self-powered implants, Flat Foot detection, Fall detection for the elderly, Frequency Up-converter, and Nonlinear Dynamics. Dr. Ibrahim has co-authored more than 25 publications in several journals/proceedings.

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