**Bio**

Prof. Abdi T. Abdalla was an Associate Professor at the College of Information and Communication Technologies (CoICT), University of Dar es Salaam (UDSM), and the Editor-in-Chief of the *Journal of ICT Systems*, published by UDSM. He also serves as Vice Chairperson of the Governing Board of Al-Maktoum College of Engineering and Technology.

His research and professional interests span a range of emerging fields, including through-the-wall radar imaging, indoor target localization, compressive sensing in radar signal processing, smart grid systems, Internet of Things (IoT), and the application of ICT and emerging technologies in the Blue Economy, community development, and digital transformation.

Prof. Abdalla has authored over 60 peer-reviewed publications in international journals and conferences and is the lead author of the book *Through-the-Wall Radar Imaging: Ghost Suppression with Compressive Sensing*. He holds a patentfor IoT-based Smart Fishing Gear, registered with BRELA.

He has led and coordinated multiple funded research projects/consultancy, including the situational analysis and digitization blueprint for the Tanzania Planning Commission. Currently, he is the PI/Co-PI on four active research and innovation projects:

1. Establishment of a Digital Marketplace for Lake Tanganyika Fishery Communities – funded by FAO
2. Establishment of a Visual Dashboard for Tracking Artisanal Fishing Vessels– funded by the Ministry of Livestock and Fisheries
3. Smart Fishing Innovative Solutions for Effective Conservation and Sustainability of Tanzania’s Blue Economy– funded by UDSM
4. Online Detection of Aflatoxins in Foods– funded by COSTECH

Prof. Abdalla has supervised over 30 postgraduate research students and serves as an external examiner for multiple universities, including the African Centre of Excellence in Internet of Things (ACEIoT) at the University of Rwanda, University of Dodoma, State University of Zanzibar, and Mbeya University of Science and Technology.

His excellence in research and innovation has earned him several awards, including:

* Best Impact Researcher of the Year, College of ICT, UDSM (2022/2023, 2023/2024, and 2024/2025)
* First Prize, UDSM Research and Innovation Week – Unit Level (2021)
* First Prize, UDSM Research Week Exhibition – Unit Level (2017)
* TAIC 2022 Best Academic Paper Award for *IoT-Based Smart Fishing Gear for Sustainability of the Tanzania Blue Economy*

He is also a reviewer for reputable institutions, including the Tanzania Communications Regulatory Authority (TCRA), Tanzania Comission for Univerisities (TCU), and serves on the editorial boards and review panels of several reputable academic journals.