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Sample Professional Activities

Senior Member of IEEE since 2018; Member of IEEE since 2009

Member of American Association for Cancer Research (AACR); Member of Women in Cancer Research (WISR)

Panel of NIFA Food and Agriculture Cyberinformatics and Tools program (FACT), Feb. 2023; June 2020

NSF Panel Reviewer for "Computer and Information Science and Engineering (CISE) Cyber-Physical Systems Medical Panel", July 2015; NSF Proposal reviewer, March 2020
Associate Editor for "Eurasip Journal on Bioinformatics and Systems Biology"

Review Editor in "Bioinformatics and Computational Biology", Frontiers Community

Served in Undergraduate Council (UGC) of PVAMU (2019 –2022) (University)

2017 Outstanding Researcher of the Year, Roy G. Perry College of Engineering, PVAMU

Current Grant Support

Targeted Infusion Project: Infusing 5G and IoT Learning and Practice into Electrical and Computer Engineering Curriculum *Principal Investigator (PI)* with Xishuang Dong, Lijun Qian, and Kelvin Kirby; National Science Foundation (NSF) 2022 – 2025

Quantum-aware Complex-valued Neural Networks Design and Implementation: Integrated Research, Curriculum Development, and Outreach *Co-Principal Investigator*; IBM-HBCU Quantum Center; 2022-2023

Accelerating Credentials of Purpose and Value Grant Program / Texas A&M System Consortium; *Co-Principal Investigator*; THECB; 2022

Advanced Deep Learning for Object Detection in Overhead Imagery; *Co-Principal Investigator*; AFRL; 2022-2024

Computational Biology and Bioengineering Research Lab at Prairie View A&M University; *Co-Principal Investigator*; Texas A&M University System Chancellor's Research Initiative (CRI), 2015 – current

Center of Excellence in Research and Education for Big Military Data Intelligence (CREDIT); *Co-Principal Investigator*; Department of Defense, 2015 – 2021

HBCU-RISE: Bridging Quantitative Research with Biomedical Science: Enhancing Computational Systems Biology Research at PVAMU; *Co-Principal Investigator* U.S.; National Science Foundation (NSF); 2017 - 2022