Khalid Subhi Ahmad is an academic and researcher in the field of Electrical Engineering, with a focus on telecommunications, antenna design, and propagation. He is an Assistant Professor at Northern Technical University (NTU) in Mosul, Iraq. Dr. Ahmad earned his B.Eng. and M.Eng. degrees in Electrical Engineering from the University of Belgrade, Serbia, in 1985 and 1987, respectively. After working as a communications engineer from 1988 to 2003, he transitioned to academia, joining the Foundation of Technical Education (FTE) in 2006. He was promoted to lecturer in 2014 and continued to advance in his academic career. He earned his PhD in Electrical Engineering with a specialization in Telecommunications from Universiti Tun Hussein Onn Malaysia (UTHM) in 2018.

Following the dissolution of FTE in 2017 and the formation of Northern Technical University (NTU), He was promoted to Assistant Professor in 2021.

Some of his research works include:

"Equivalent Circuit Model of Antenna Array Utilizing an Archimedean Spiral Sequential Feed Network for C-Band Applications" (June 2024)

"Defected Ground Structure for Beam Steering Array Antenna Applications" (October 2015)

"Miniaturized Hybrid Rat-Race Coupler of a 2.5 GHz Loaded by Resistors" (July 2013)

Future Directions

He continues to explore advanced antenna technologies, focusing on integrating graphene and metasurfaces to enhance antenna performance. His research aims to meet the evolving demands of telecommunications by developing more efficient, adaptive, and scalable communication systems for 5G and future 6G technologies.