Dr. Gerald DeJean is a senior engineering manager at Raytheon, an RTX business where he works on the development of RF photonic integrated circuits and the integration of RF systems. His research interests include RF passive and active component design, RF systems integration, antenna design, RF sensing applications, and electromagnetic energy transfer solutions. In addition, he has conducted extensive research in remote sensing technologies and the creation of electromagnetic signatures using electro physics. Gerald received the B.S. degree in Electrical and Computer Engineering from Michigan State University and the M.S. and Ph.D. degrees in Electrical Engineering from the Georgia Institute of Technology. He has authored and co-authored over 70 papers in refereed journals and conference proceedings and is a named inventor on 25 issued patents.