

Name	Assist. Prof. Refat T. Hussain (Ph.D.)			
Education:				
Degree	Discipline	Institution		Year
Ph.D.	Microwave Image Processing System	University of Strathclyde / U.K.		1990
M.Sc.	Telecommunication Systems	Cranfield University / U.K.		1986
B.Sc.	Electrical and Electronic Eng.	MTC – Baghdad - Republic of Iraq.		1981
Academic experience:				
Institution	Rank	Title	When	Full Time/Part Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Staff member	2004 – 2006 & 2008 - 2010	Full Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Head of Com. Eng. Branch	2006 – 2008	Full Time
Optical Electronic Eng. Dept./UOT	Assist. Prof. Dr.	Staff member	2013 - 2014	Full Time
Electrical Eng. Dept./ UOT	Assist. Prof. Dr.	Staff member	2013 - 2014	Full Time
Communication Eng. Dept./UOT	Assist. Prof. Dr.	Staff member	Since 2014	Full Time
Current membership in professional organizations:				
Iraqi Engineers Association				
Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation:				
<ul style="list-style-type: none"><li>• "3D Visualization for Embedded Target in Media".</li><li>• "3D combine fractal dipole wire antenna".</li><li>• "Automatic extracted object technique for contrast enhancement medical images"</li><li>• "Compact size design with low side-lobes of fractal linear array antenna",</li><li>• "Low complexity high data rate transmit diversity block code (TDBC)</li><li>• "Imperceptible Image Steganography system with Turbo Code and Wavelet Based Fusion"</li><li>• "Image Steganography algorithm based on DWT and Turbo coding"</li><li>• “Simulation of hybrid system with (SFBC-STBC OFDM) in wireless communication"</li><li>• "Novel Security Image Steganography Based On DWT and Pseudorandom Sequence"</li><li>• "Modified CA-CFAR Radar detection for multiple and clutter edge situations"</li><li>• “A Wideband Hybrid Plasmonic Fractal Patch Nano-antenna”</li><li>• “Design and Performance Investigation of Tunable UWB THZ Antenna Based on Graphene Fractal Artificial Magnetic Conductor”</li><li>• “A Modified Wideband Hybrid Plasmonic Fractal Patch Nano-antenna”</li></ul>				
Briefly list the most recent professional development activities:				
<ul style="list-style-type: none"><li>• Basic radar systems</li><li>• Planning and Engineering and strengthening links for telephony and television program</li><li>• Remote sensing and its applications</li><li>• Radar systems Geologic &amp; Antiquities</li><li>• The basic principles for the design of antennas for modern communication devices</li></ul>				