



Scientific Curriculum



Full Name	Ali Jaber Abdulwahab
College / Department	Electrical Engineering Technical College
Official Email	a.al-askery@eetc.mtu.edu.iq

Certificate	PhD
General Specialty	Electrical Engineering
Accurate Specialty	Electronics and Communications
The universities from which you graduated and year of graduation	Al-Mustansiria University – BSc 2001 Al-Mustansiria University – MSc 2005 Newcastle University – PhD 2017

Patent and there issuers	
International conferences (titles of the conference, organizer and research titles)	<ol style="list-style-type: none"> 1- Improved coded massive MIMO OFDM detection using LLRs derived from complex ratio distributions Conference: IEEE-CAMAD 2015 2- Fixed-point arithmetic detectors for massive MIMO-OFDM systems Conference: EUSIPCO 2015
Titles of published researches, publisher and publishing link	<ol style="list-style-type: none"> 1- Performance Analysis of Coded Massive MIMO-OFDM Systems Using Effective Matrix Inversion. 2- Improved coded massive MIMO OFDM detection using LLRs derived from complex ratio distributions 3- Fixed-point arithmetic detectors for massive MIMO-OFDM systems 4- Study of Signal Estimation Parameters via Rotational Invariance Technique by Using Ants Colony Optimization Algorithm

Number of teaching/training courses and titles of each one	<ol style="list-style-type: none"> 1- Teaching Techniques for undergraduate students - Iraq 2- Engineering Drawing using AutoCAD - Iraq
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	<ul style="list-style-type: none"> 3- PLC – Egypt 4- Teaching Techniques for Higher Education – UK 5- Matlab – UK 6- Improving the capacities and competencies of Iraqi TVET leaders, teachers, and trainers
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The materials you teach/taught in primary and postgraduate studies (year, place)	<ul style="list-style-type: none"> 1- Modern Control systems. 2- Mathematics I 3- Mathematics II 4- Communications 5- Electrical Circuits Fundamentals 6- Electronics 7- Research Methodology. (MSc)
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Projects supervised for postgraduate studies (name of project, name of student, year, name of program)	
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Titles and discussions of postgraduate studies (name of student, name of program, place, year)	
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