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Asst. Prof. Dr. Saad Saffah Hassoon Hreshee

Occupation	<p>Assistant Professor</p> <p>29/10/2014 – Till now / University of Babylon / Hillah, Iraq.</p> <p>Lecturer</p> <p>2007 – 2014 / University of Babylon</p> <p>Lecturer assistance</p> <p>2001 – 2007 / University of Babylon</p> <p>Head of Electrical Engineering Dept. / College of Engineering</p> <p>2018 – 2020 / University of Babylon</p> <p>Chief of the Engineering Consulting Bureau / College of Engineering</p> <p>2011– 2013 / University of Babylon</p> <p>Chief of the Computer Learning Laboratories</p> <p>2003 – 2005 / University of Babylon</p>
Education	<ul style="list-style-type: none">▪ Ph. D. in Electronics and Communication Engineering, Basra University – Iraq 2007▪ M.Sc. in Electronics Engineering / University of Technology – Iraq 2000▪ B.Sc. in electrical Engineering / University of Babylon - Iraq 1997

Computer skills	<ul style="list-style-type: none"> ▪ Professional in AutoCAD program. ▪ Professional user for windows and office application (word and excel) ▪ Professional in C++ and MATLAB programs. 																																						
Personal information	<ul style="list-style-type: none"> ▪ Place date of birth : Baghdad – Iraq 1974 ▪ Sex : Mail ▪ Marital status : married ▪ Language : Arabic and English 																																						
Published Books	<p>Iraqi Standard Code of Internal Lighting.</p> <p>Iraqi Standard Code of the Fire Emergency Systems.</p>																																						
Published Papers		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 5%;"></th> <th style="width: 55%;">Paper Title</th> <th style="width: 30%;">Journal</th> <th style="width: 10%;">Date of Publish</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Simulation of Beamforming Techniques for Phased Array Antenna Using Matlab</td> <td>Journal of Babylon University/Engineering Sciences</td> <td style="text-align: center;">2010</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Design of New Optical Butler Matrix Beamforming Network for Phased Array Antenna</td> <td>Journal of Babylon University/Engineering Sciences</td> <td style="text-align: center;">2010</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Neural Network for Evolving and Optimizing Phased Array Antenna</td> <td>Proc. of Int. Conf. on Control, Communication and Power Engineering</td> <td style="text-align: center;">2013</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Design and Simulation of a Coded OFDM Modulation Technique based on Discrete Wavelet Transform</td> <td>European Journal of Scientific Research</td> <td style="text-align: center;">2013</td> </tr> <tr> <td style="text-align: center;">5</td> <td>LMS Algorithm for Optimizing the Phased Array Antenna Radiation Pattern</td> <td>Journal of Telecommunications</td> <td style="text-align: center;">2013</td> </tr> <tr> <td style="text-align: center;">6</td> <td>DESIGN AND ANALYSIS OF NEW OPTICAL BEAMFORMING MATRIX FOR PHASED ARRAY ANTENNA</td> <td>International Conference on Advanced Technology & Sciences International Conference</td> <td style="text-align: center;">2014</td> </tr> <tr> <td style="text-align: center;">7</td> <td>Design of Efficient Noise Reduction Scheme for Secure Speech Masked by Chaotic Signals</td> <td>Journal of American Science</td> <td style="text-align: center;">2015</td> </tr> <tr> <td style="text-align: center;">8</td> <td>Design, Simulation and Analysis of New Optical Beamforming Matrix</td> <td>Journal of Babylon University/Engineering Sciences</td> <td style="text-align: center;">2015</td> </tr> </tbody> </table>		Paper Title	Journal	Date of Publish	1	Simulation of Beamforming Techniques for Phased Array Antenna Using Matlab	Journal of Babylon University/Engineering Sciences	2010	2	Design of New Optical Butler Matrix Beamforming Network for Phased Array Antenna	Journal of Babylon University/Engineering Sciences	2010	3	Neural Network for Evolving and Optimizing Phased Array Antenna	Proc. of Int. Conf. on Control, Communication and Power Engineering	2013	4	Design and Simulation of a Coded OFDM Modulation Technique based on Discrete Wavelet Transform	European Journal of Scientific Research	2013	5	LMS Algorithm for Optimizing the Phased Array Antenna Radiation Pattern	Journal of Telecommunications	2013	6	DESIGN AND ANALYSIS OF NEW OPTICAL BEAMFORMING MATRIX FOR PHASED ARRAY ANTENNA	International Conference on Advanced Technology & Sciences International Conference	2014	7	Design of Efficient Noise Reduction Scheme for Secure Speech Masked by Chaotic Signals	Journal of American Science	2015	8	Design, Simulation and Analysis of New Optical Beamforming Matrix	Journal of Babylon University/Engineering Sciences	2015	
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	9	Simulation and Test of Nano-Electro-Mechanical Switch for Low Power Logic Operations	European Journal of Scientific Research	2015
	10	Digital Chaotic Scrambling of Voice Based on Duffing Map	International Journal of Information and Communication Sciences	2016
	11	Design and implementation of voice encryption system using XOR based on Hénon map	2016 Al-Sadeq International Conference on Multidisciplinary in IT and Communication Science and Applications	2016
	12	A High Security Communication System Based on Chaotic Scrambling and Chaotic Masking	International Journal on Communications Antenna and Propagation	2018
	13	Reduction of Side Lobe Level in a Time-Modulated Linear Array Using Invasive Weed Optimization and Particle Swarm Optimization	Journal of Engineering and Applied Sciences	2018
	14	Secure speech communication system based on scrambling and masking by chaotic maps	International Conference on Advance of Sustainable Engineering and its Application	2018
	15	Locating the Sensors Positions in WSN Based on MUSIC Algorithm	International Conference on Engineering Technologies (ICENTE'19), Konya, Turkey	2019
	16	Design and Implementation of Photovoltaic System Based on Super-Lift LUO Converter	Journal of Physics: Conference Series	2020
Supervision	ت	أسم الطالب	عنوان الرسالة	تاريخها
	1	ضفاف طلال	Design and Simulation of a Coded OFDM Modulation Technique based on Discrete Wavelet Transform	2013
	2	امير كاظم جواد	Design and Simulation of a Secure Communication System Based on Chaotic System Channel	2014
	3	امنة مهدي	Design and implementation of voice encryption system using XOR based on Hénon map	2016
	4	زهراء عبد الرزاق	Implementation of a Chaos-Based Symmetric Text Encryption Using Arduino Microcontrollers	2017
	5	اسراء محمد	Reduction of Side Lobe Level in a Time-Modulated Linear Array Using Invasive Weed Optimization and Particle Swarm Optimization	2018
	7	طبيبة سعد	DESIGN, SIMULATION AND TEST OF A HIGH-FREQUENCY NEMS RESONATOR	2019

	8	حامد خضير	Design and Implementation of Photovoltaic System Based on Super-Lift LUO Converter	2019
Experience	<ul style="list-style-type: none"> • One of the Consulting team that put the basic design for cities (2010-2030). (My design was about the Electrical, Telecommunication, Lighting) • One of the electrical Consulting team that design the electrical requirement for many sewage project • Design many classical buildings with its details of lighting, power distribution, fire alarm, telephone system and security camera system. example of this buildings • Supervision many electrical implementations • Design the electrical requirements of many health care buildings and hospitals • Check and give the approval of the prepared design • Many electrical consultant concerning the power distribution and communications systems 			