



## Curriculum Vitae of a faculty member

### 1. Personal information

<b>Name</b>	Majid Saleh Mostafa Abed Alhafidh
<b>Academic Degree</b>	Assistance Professor
<b>Job Title</b>	Lecturer
<b>General Major</b>	Power & Machine
<b>Mobil No.</b>	07701885017
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### 2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	2006	Mosul	Iraq	Power & Machine
Master	1979	Mosul	Iraq	Power & Machine
Post Graduate Diploma	1977	Mosul	Iraq	Power & Machine
Bachelor	1976	Mosul	Iraq	Power & Machine

### 3. Experiences

Employment	Job Title	Period
Electrical Engineering Department	Lecturer	From 1983- until now

#### 4. Researches & Scientific activities

1	<b>Selection of Proper Voltage Stability Index for Real System Loading. Second International Conference on Electrical, Communication, Computer, Power and Control Engineering ICECCPCE'19, 13-14 February 2019, Mosul, Iraq, PP 141-145.</b>
2	<b>Voltage Stability Enhancement based on Voltage Stability Indices Using FACTS Controllers. International Conference on Engineering Technology and their Applications (IICETA). 8-9 May 2018, Al-Najaf, Iraq, PP 63-68.</b>
3	<b>Mitigating Unbalance Voltage Using STATCOM. International Journal of Engineering and Innovative Technology (IJEIT) Volume 8, Issue 1, July 2018, PP 7-13.</b>
4	<b>Utilization of Solar Water Heaters to Reduce Residential Electrical Load. UHD Journal of Science and Technology, April 2017, Vol. 1, Issue 1. PP 23-26.</b>
5	<b>Determination of Residential Electrical Load Components In Iraqi North Region. Iraq Journal of Electrical and Electronic Engineering, Vol.13 No.2, 2017, PP 161-165.</b>
6	<b>Hybrid Renewable Energy for Residential Loads using HOMER Software &amp; Neuro-Fuzzy Network. International Journal of Inventive Engineering and Sciences (IJIES), Vol. 3, Issue 2, January 2015, PP 7-10.</b>
7	<b>Zero Energy House in Iraq. International Journal of Inventive Engineering and Sciences (IJIES), Vol. 2, Issue 7, June 2014, PP 1-4.</b>
8	<b>Hybrid Power System for Residential load. First International Conference on Electrical, Communication, Computer, Power, and Control Engineering, (ICECCPCE'13), Mosul, Iraq, Dec. 16-17, 2013.</b>
9	<b>Optimal Sizing of Hybrid Renewable Power System to Supply Iraqi Residential Loads. The Second Engineering Conference, Mosul –Iraq, 19-21 Nov 2013, PP 11-21.</b>
10	<b>Application of Artificial Neural Networks in Mid-Term Load Forecasting for Residential Sector in Mosul City-Iraq. The Second Engineering Conference, Mosul – Iraq, 19-21 Nov 2013, PP 1-10.</b>
11	<b>Dynamic Active Power Control in Mosul City Ring System Using ESTATCOM. American Journal of Electrical Power and Energy Systems. Vol.2, No.5, 2013, PP 116-122.</b>
12	<b>Short and Medium Iraqi Load Forecast Using Holt-Winter Method and Wavelet Transformation. Canadian Journal of Electrical and Electronic Engineering. Vol.3, No. 5, May 2012, PP 225-228.</b>
13	<b>Short Term Electrical Load Forecast Using Holt-Winters Method. Al-Rafidain Engineering, Mosul, Iraq, Vol. 20, No.6, 2012, PP 15-22.</b>
14	<b>Simultaneous Active and Reactive Power Control of ESTATCOM for Improving Mosul City Ring System. First National Conference for Engineering Sciences, FNCES'12, Baghdad, Iraq, 7-8 Nov. 2012, PP 160-165.</b>
15	<b>Utilization of Solar Energy to reduce Residential Load. 3<sup>rd</sup> International Conference on Nuclear &amp; Renewable Energy Resources (NuRER), Istanbul, Turkey, 20-23 May 2012.</b>
16	<b>Utilization of Seasonal Valleys for Irrigation and Electrical Generation. 3<sup>rd</sup> International Conference on Nuclear &amp; Renewable Energy Resources Istanbul (NuRER), Turkey, 20-23 May 2012.</b>
17	<b>Estimation of the Consumer Peak Load for the Iraqi Distribution System Using Intelligent Methods. Iraqi Journal Electrical and Electronic Engineering, Vol.7, No.2, 2011, PP 180-184.</b>

18	<b>Optimallong Term-Hydrothermal Scheduling Using an Intelligent Technique. Al-Rafidain Engineering, Mosul, Iraq, Vol. 19, No.1, 2011, PP 123-133.</b>
19	<b>Voltage Profile Improvements of Mosul City Ring System by STATCOM Reactive Power Control. 6<sup>th</sup> International Aegean Conference on Electrical Machines and Power Electronics (Acemp). Istanbul, Turkey, 8-10 Sep. 2011, PP 540-545.</b>
20	<b>Short Term Optimal Hydrothermal Scheduling Using ANN. SET2011, 10<sup>th</sup> International Conference on Sustainable Energy Technologies, Istanbul, Turkey, 4-7 Sep., 2011.</b>
21	<b>Separation of Electrical Load Components in Iraqi Power System. Fifth Libyan Arab International Conference on Electrical and Electronic Engineering, Libya, Tripoli 23 - 26 October 2010, PP 697-703.</b>
22	<b>Optimal Reactive Power Value in Mosul Ring Bus-bar Using Genetic Algorithm. International Conference on Systems, Signals &amp; Devices, SSD 10, Jordan, June 2010.</b>
23	<b>THD reduction using series transformer connection in a STATCOMwithin Mosulringsystem. Al-Rafidain Engineering, Mosul, Iraq, Vol.17, No.5, 2009, PP 15-22.</b>
24	<b>Estimation of the Diversity Factor for the Iraqi Distribution System Using Intelligent Methods. Al-Rafidain Engineering, Mosul, Iraq, Vol.17, No.1, 2009, PP 14-21.</b>
25	<b>Developing Annual Load Duration Curve Using an Intelligent Technique. Al-Rafidain Engineering, Mosul, Iraq, Vol. 14, No.3, 2006, PP 74-82.</b>
26	<b>An Intelligent Technique for Optimizing the Operation of a Static Synchronous Compensator in Northern Iraqi Networks. Al-Rafidain Engineering, Mosul, Iraq, Vol. 13, No.3, 2005, PP 9-20.</b>
27	<b>Application of ANN for Reducing THD by a Combined STATCOM &amp; Capacitor Bank Compensation System. 6th Jordanian International Electrical &amp; Electronic Engineering Conference (JIEEEEC 2006), Amman, Jordan, March 14 – 16 2006.</b>
28	<b>The Small Hydropower Station Design for Utilizing Seasonal Valley Water Resources. Scientific Journal of Al-Nahrain University. Iraq. Vol.6, No.1. 2002.</b>
29	<b>Externally Excited Induction Generator. Engineering and Technology, Baghdad, Iraq, Vol.19, No.2, 2000, PP 144-156.</b>
30	<b>Microprocessor Based Measurement of Power Flow Using Voltage-Angle. Al-Rafidain Engineering, Mosul, Iraq, Vol. 8, No.2, 2000.</b>
31	<b>Modified Single Phase Induction Generator. The Third International Conference on Computational Aspects and Their Applications in Electrical Engineering” CATAEE’99, Amman, Jordan, 19-20,Oct. 1999.</b>
32	<b>Optimum Design Approach for Auxiliary Power Station Supplies Using Personal Computer. 6<sup>th</sup> Scientific Conference for Foundation of Technical Institutes. Baghdad, Iraq, Mar.1998.</b>
33	<b>Single-Phase Induction Generation. Al-Rafidain Engineering, Mosul, Iraq, Vol. 3, No.2, 1995.</b>
34	<b>The Best Utilization of Dams for Hydropower Generation Using Digital Computer. 3<sup>rd</sup> Scientific Conference of Water Research Centre. Mosul, Iraq, Nov. 1994.</b>
35	<b>SCADA System for Distribution Substation. 2<sup>nd</sup> MEC Engineering Conference, Baghdad, Iraq, March 1994.</b>
36	<b>Microprocessor Based System for Distance Protection With Reference to 3-Zones Arrangement. 11<sup>th</sup> Iraqi Scientific Engineering Conference. Baghdad, Iraq, Nov. 1993.</b>

37	<b>Exact VAR Control Using Voltage-Angle Measurement. Jordan International Power System Conference. Oct. 1993.</b>
38	<b>Present and Future Implementation of Hydropower in Iraq. First Iraqi Energy Conference, Baghdad, Iraq, Dec. 1992.</b>
39	<b>The Economical Benefit of Using Hydropower in Automated Irrigation Systems. 1992 International Renewable Energy Conference, Amman, Jordan, June 1992.</b>
40	<b>Improvement of Transient Stability Limit Using Microprocessor Controlled Dynamic Breaking System. Melecon 91, Yugoslavia, May 1991, PP 1314-1317.</b>
41	<b>Modified Excitation System Control Using Microprocessor. AMSE, A Vol. 24, No. 1, France, 1989.</b>
42	<b>Reactive Power Compensation Using Microprocessor. 2<sup>nd</sup> Libyan Arab International Conference on Electrical and Electronic Engineering, Libya, Tripoli, March 1989.</b>
43	<b>Microprocessor Control Governor. International Symposium on Electric Energy Conversion in Power Systems. Italy. May 1989.</b>
44	<b>Effect of Stabilizers Transformer Tap-Change Settings on Saturated Reactor Stabilizers Behavior. International Symposium on Electric Energy Conversion in Power Systems. Italy. May 1989.</b>
45	<b>The Utilization of Solar and Wind Energy to Supply a common Load. 1<sup>st</sup> Symposium on Electrical Power Systems of Fast Developing Countries. KSA, Al-Riyadh, March 1987.</b>
46	<b>High Voltage Tests Using Microprocessor. 1<sup>st</sup> Symposium on Elec. Power Systems of Fast Developing Countries. KSA, Al-Riyadh, March 1987.</b>
47	<b>Modified Model for Long Term Weather Sensitive Load Forecasting. First Symposium on Elec. Power Systems of Fast Developing Countries. KSA, Al-Riyadh, March 1987.</b>
48	<b>Full Investigation of Hydropower in Iraq. Fourth Scientific. Conference, Scientific Research Council, Baghdad, Iraq October 1986.</b>
49	<b>Modified Cluster Method for Gaussian Elimination. Iraqi Conference on Engineering, Baghdad, Iraq, Dec. 1985.</b>
50	<b>Economic Dispatch as an Extension of Load Flow Solution. Iraqi Conference on Engineering, Baghdad, Iraq, Dec. 1985.</b>
51	<b>Peak Load Reduction by Solar Energy. Iraqi Conference on Engineering, Baghdad, Iraq, Dec. 1985.</b>
52	

## Books

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## 5. Scientific Conferences

	Conference Name	Date
1	Second International Conference-Electrical, Communication, Computer, Power and Control Engineering ( ICECCPCE19)	2019
2	Second International Conferencefor Engineering, Technology & Science (ICETS-2018)	2018
3	International Conference on Engineering Technology and their Applications (IICETA).	2018
4	4 <sup>th</sup> International Academic Conference of the University of Human Development.	2017
5	International Conference on Electrical, Communication, Computer, Power, and Control Engineering (ICECCPCE'13) .	2013
6	The Second Engineering Conference, Mosul –Iraq, 19-21 Nov.	2013
7	First National Conference for Engineering Sciences, FNCES'12, Baghdad, Iraq, 7-8 Nov.	2012
8	International Conference on Nuclear & Renewable Energy Resources (NuRER), Istanbul, Turkey, 20-23 May.	2012
9	6 <sup>th</sup> International Aegean Conference on Electrical Machines and Power Electronics (Acemp). Istanbul, Turkey, 8-10 September.	2011
10	10 <sup>th</sup> International Conference on Sustainable Energy, SET2011, Istanbul, Turkey, 4-7 September.	2011
11	2 <sup>nd</sup> International Engineering Sciences Conference IESC2011.	2011
12	Fifth Libyan Arab International Conference on Electrical and Electronic Engineering, Libya, Tripoli 23 - 26 October.	2010
13	7 <sup>th</sup> International Multi Conference on System, Signals Devices SSD 10, Jordan, June.	2010
14	1st International Conference in Energy, Power and Control- EPC01.	2010
15	1 <sup>st</sup> International Engineering Science Conference IESC'08	2008
16	The first Electrical Engineering Conference EEC'07.	2007
17	6th Jordanian International Electrical & Electronic Engineering Conference (JIEEEEC 2006) Amman, Jordan, March 14 - 16, 2006.	2006
18	First National Engineering Conference.	2002
19	First National Symposium on Hydropower Utilization.	2001
20	The Third International Conference on Computational Aspects and Their Applications in Electrical Engineering” CATAEE'99, Amman, Jordan, 19-20,October.	1999
21	6th Scientific Conference for Foundation of Technical Institutes, Baghdad, Iraq, March.	1998



22	3rd Scientific Conference of Water Resources and Dams Centre. Mosul, Iraq, November.	1994
23	2nd MEC Engineering Conference, Baghdad, Iraq, March.	1994
24	11th Iraqi Scientific Engineering Conference, Baghdad, Iraq, November.	1993
25	International Power System Conference, Baghdad, Iraq, November.	1993
26	First Iraqi Energy Conference, Baghdad, Iraq, December.	1992
27	International Renewable Energy Conference, Amman, Jordan, June.	1992
28	Melecon 91, Yugoslavia, May.	1991
29	2nd Libyan Arab International Conference on Electrical and Electronic Engineering, Libya, Tripoli, March.	1989
30	International Symposium on Electric Energy Conversion in Power Systems, Italy, May.	1989
31	1st Symposium on Electrical Power Systems of Fast Developing Countries, KSA, Al-Riyadh, March.	1987
32	Fourth Scientific Conference, Scientific Research Council, Baghdad, Iraq, October.	1986
33	Iraqi Conference on Engineering, Baghdad, Iraq, December.	1985

## 6. Training courses for faculty members.

	Training program name	Date
1	تدريب الكوادر التدريسية- جامعة كويلف- كندا	شهر واحد- 2013
2	طرائق التدريس الجامعي – جامعة الموصل	
3	برمجيات الحاسوب – جامعة الموصل	
4		

### - Master's and Doctoral theses which he supervised

	Researcher name	Thesis title	Reg. date
1	Maan A. Jirjees	Voltage Stability Enhancement Based on Voltage Stability Indices Using FACTS Devices	2019
2	Safa M. Ezeldean	Genetic Algorithm Load Flow For Normal And Abnormal Condition	2018
3	Waleed Khalid Mohammed	Mitigating Unbalance Voltage Using STATCOM	2018
4	Muthana Saad Salih	The use of ANN to find the optimal	2014

		<b>Voltages for renewable energy to feed the residential loads in Iraq.</b>	
<b>5</b>	<b>Mustafa Hussein Ibrahim</b>	<b>Optimal Hybrid Renewable Energy System For houses In Mosul city</b>	<b>2013</b>
<b>6</b>	<b>Saad Enad Mohammed</b>	<b>Enhancement of Mosul City Ring System Using STATCOM with Energy Storage Device</b>	<b>2013</b>
<b>7</b>	<b>Ghazi Hussein Saleh Ahmed Al-maamary</b>	<b>Short and Medium Seasonal Electrical Loads Forecasting</b>	<b>2012</b>
<b>8</b>	<b>Bassam Fadhil Ahmed Mohammed</b>	<b>Optimal Reactive Power Value in Mosul Ring Bus-bar Using Genetic Algorithm</b>	<b>2009</b>

**- Theses which he discussed**

	<b>Researcher Name</b>	<b>Thesis Title</b>	<b>Date</b>
<b>1</b>	<b>Osama Basheer Noory</b>	<b>Extended Kalman filter to control the speed of the induction motor without sensors</b>	<b>2019</b>
<b>2</b>	<b>Omer Raad Ahmed</b>	<b>Find the location and value of optimal reactive power compensation using the genetic algorithm</b>	<b>2019</b>
<b>3</b>	<b>Yosif Ahmed Yonis</b>	<b>Smart secure Intelligent Power System</b>	<b>2019</b>
<b>4</b>	<b>SaadAlla Mohammed Mahmood</b>	<b>Enhance voltage stability of power system using static synchronous compensator</b>	<b>2019</b>
<b>5</b>	<b>Assef Abed Al-Elah Salih</b>	<b>Improved performance of single-phase modulator controlled by injection current control</b>	<b>2018</b>
<b>6</b>	<b>Mahmood Taha Mahmood</b>	<b>Simulation Mitigation of the Disturbances in Distribution System using Unified Power Quality Conditioner</b>	<b>2018</b>
<b>7</b>	<b>Hussein Fathy Hommady</b>	<b>Enhanced performance of differential Relay of power transformer using wavelet transformer</b>	<b>2018</b>

8	Maan Hussein Abbas	Improved voltage stability limits by controlling power transmission paths	2018
9	Abed Al-Razzak Ahmed Mahmood	Enhance the stability of the transient state of the multi-machine power system using modern energy storage systems	2018
10	Ali Abed Al-Salam Mohammed	Analysis and performance of the equipped public motor from a non-sinusoidal source	2017