


Curriculum Vitae

Contact Information	<p>Name : <i>Mushtaq Najeeb Ahmed</i></p> <p>H/P No. : <i>+9647801967466</i></p> <p>E-mail : <i>eng_mushtaq2003@yahoo.com</i> <i>eng.mushtaq2004@gmail.com</i> <i>mushtaq.najeeb@uoanbar.edu.iq</i></p> <p>Current : <i>PhD in Electrical Engineering</i></p> <p>Position : <i>College of Engineering, University Of Anbar</i></p> 
Qualifications	<ul style="list-style-type: none">• <i>PhD in Electrical Engineering, Faculty of Electronic and Electrical Engineering, Universiti Malaysia Pahang (UMP), Malaysia, Jan. 2018.</i>• <i>Master (MSc) in Electrical Engineering, College of Graduate Studies, Universiti Tenaga Nasional (UNITEN), Selangor, Malaysia, Jan. 2012, Dissertation: “An Improved Maximum Power Point Tracking Controller for PV Systems Using Artificial Neural Network”.</i>• <i>Bachelor (BSc) in Control and Systems Engineering (Control), University of Technology (UOT), Baghdad, Iraq, August 2004, Project: “Practical Implementation of Home Heating and Cooling System”.</i>
Positions	<ul style="list-style-type: none">• <i>PhD Candidate, Faculty of Electrical and Electronics Engineering, Univesiti Malaysia Pahang (UMP), Pahang – Kuantan - Gambang – Pekan Campus, and ID No.</i>

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	<p><i>(PEE13005), (Nov. 2013 – Jan. 2018).</i></p> <ul style="list-style-type: none"><i>• Assistant Lecturer, University of Anbar, Electrical Engineering Department, Iraq, Ramadi (Feb.2012 – Nov.2013).</i><i>• Coordinator of Electrical Engineering Department at University of Anbar, Iraq, Ramadi (Sep.2012-Nov.2013).</i><i>• Master student at Universiti Tenaga Nasional (UNITEN), College of Graduate Studies, Electrical Engineering Department, Selangor, Malaysia, and ID No. (SE21061), (July 2010 – Jan. 2012).</i><i>• Researcher Assistant under a research project approved by Universiti Tenaga Nasional (UNITEN), project code (J510050340), Malaysia (July 2010-Dec. 2011).</i><i>• Tutor, University of Anbar, Electrical Engineering Department, Iraq, Ramadi (Sep. 2007- Jan. 2010).</i><i>• Laboratory Assistant, University of Anbar, Electrical Engineering Department, Iraq, Ramadi (Nov.2005- August 2007).</i>
Research Interests	<p><i>Control Systems, Power Systems, Renewable Energy Resources, Control of Power Electronic Drives, Artificial Intelligent Techniques, and Optimization Techniques.</i></p>

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Official Members	<ul style="list-style-type: none">• Faculty member in the Electrical Engineering Department at University of Anbar, Iraq, Ramadi, since Feb. 2012.• Member in the Association of Universities Lecturers in Iraq, Baghdad, since Feb. 2012.• Consultant member at University of Anbar, Iraq, Ramadi since March 2007.• Member of Iraqi Engineers Union, since 2005.		
	Academic Teaching Experiences and Supervision		
	Post Graduate	NON	
	Under Graduate	Courses	
		Year	Courses
2018-2019		Electric Power I, Electric Power II, Mathematics I, and Mathematics II	
2017-2018		Electric Power II	
2012-2013		Computer Programming (MATLAB), Mathematics I	
Laboratories			
Year		Laboratory	
2012-2013		DC Machine, AC Machine, Physic I and Computer programing (MATLAB).	

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	2009-2010	<i>Fundamentals of Electrical Engineering, Fundamentals of Electronic I, DC Machine. Digital Logic and Fundamentals of Electronic II.</i>	
	2008-2009	<i>Fundamentals of Electrical Engineering, Fundamentals of Electronic I, DC Machine and Digital Logic.</i>	
	2007-2008	<i>Fundamentals of Electrical Engineering, Fundamentals of Electronic I, DC Machine.</i>	
	2006-2007	<i>Fundamentals of Electrical Engineering, Fundamentals of Electronic I.</i>	
	Supervision		
	No.	Year	Project Title
	4	2018-2019	<i>Practical Implementation of Solar Tracker and Non-Tracker System for Ramadi City</i>
3	<i>Smart Control Design for Irrigation Using Solar Water-Pumping System</i>		
	2	2012-2013	<i>Design and Simulation of AVO by using PIC Microcontroller</i>
	1		<i>Design of Small PV Solar-Powered Water Pump System at University of Anbar</i>
Research and Publications			
List of Publications	Conferences		
	<ul style="list-style-type: none">• Mushtaq Najeeb, Mohammed Shahooth, and Arrak Mohaisen, “An Efficient Automatic Generation Control for Multiple Power Systems based PI-SA Algorithm” third International Conference on Computing, Communications, and Information Technology, CCIT 2019, Ramadi – Anbar - Iraq, 24-25 April 2019 organized by College of Computer Science and IT.• Mushtaq Najeeb, Ramdan bin Razali, K. G. Mohammed, Hamdan bin Daniyal, Ali M. Humada, “PID Parameters Improvement for AGC in Three Parallel-Connected Power Systems”, the National Conference for Postgraduate Research, Universiti Malaysia Pahang, NCON-PGR-P075,		

pp. 544-551, 2016.

- **Mushtaq N. Ahmed**, Mojgan Hojabri, Hamdan bin Daniyal, Ali Mahmood Humada , "Maximum Power Prediction for PV System based on P&O Algorithm," National Conference on Postgraduate Studies Universiti Malaysia PAHANG, Kuantan, NCON-PGR-E02-030, 24-25 Jan. 2015.
- **Mushtaq N. Ahmed**, M. A. A. Younis, and A Mohd Ariffin, "Maximum Power Point Prediction for a PV Generator Using an Artificial Neural Network" Student Conference On Research And Development (SCORED 2011), 8th December 2011, BA-04-027 Administration Building, UNITEN.

Journals

- **Mushtaq Najeeb**, Hatem Fahad, Yasir Abdulhafedh, K. G. Mohammed, Ali Mahmood, "An Improved PI-MultiStart Control Algorithm for Standalone PV Inverter System", *International Journal of Renewable Energy Research*, Vol.7, No.4, December 2017.
- **Mushtaq Najeeb**, Muhamad Mansor, Hameed Feyad, Esam Taha, Ghassan Abdullah, "An Optimal LFC in Two-Area Power Systems Using a Meta-heuristic Optimization Algorithm", *International Journal of Electrical and Computer Engineering (IJECE)* Vol. 7, No. 6, pp. 3217-3225, December 2017.
- **Mushtaq Najeeb**, Muhamad Mansor, Ramdan Razali, Hamdan Daniyal, Ali Mahmood "An Intelligent Voltage Controller for a PV Inverter System using Simulated Annealing Algorithm-based PI Tuning Approach" *Journal of Engineering and Applied Sciences*, vol. 12, no. 3, pp. 660-669, April 2017.
- **Mushtaq Najeeb**, Hamdan Daniyal, Ramdan Razali, Muhamad Mansor, "An Efficient Control Implementation for Voltage Source Inverter based Harmony Search Algorithm", *International Journal of Power Electronics and Drive*

Systems, Vol. 8, no. 1, pp. 279-289, Mar. 2017.

- **Mushtaq Najeeb**, Mohammed Shahooth, Arrak Mohaisen, Ramdan bin Razali and Hamdan bin Daniyal, "An optimized PID parameters for LFC in interconnected power systems using MLSL optimization algorithm", *ARNP Journal of Engineering and Applied Sciences*, Vol. 11, No. 19, pp. 11770-11781 Oct. 2016.
- Ali M. Humada, Mohd Herwan Bin Sulaiman, Mojgan Hojabri, Hussein M. Hamada and **Mushtaq Najeeb**, "A Review on Photovoltaic Array Behavior, Configuration Strategies and Models under Mismatch Conditions," *ARNP Journal of Engineering and Applied Sciences*, Vol. 11, no. 7, pp. 4896- 4903, 2016.
- Ali M. Humada, Mojgan Hojabri, Mohd Herwan Bin Sulaiman, Hussein M. Hamada, **Mushtaq Najeeb**, "Photovoltaic Grid-Connected Modeling and Characterization Based on Experimental Results," *PLOS ONE*, vol. 11, no. 4, pp. 1-13, 2016.
- Ali M. Humadaa, Mojgan Hojabri, Hussein M. Hamada, Fahmi B. Samsuri, **Mushtaq Najeeb**, "Performance evaluation of two PV technologies (c-Si and CIS) for building integrated photovoltaic based on tropical climate condition: A case study in Malaysia," *Energy and Buildings*, vol. 119, pp. 233-241, 2016.
- **Mushtaq Najeeb**, Mojgan Hojabri, Hamdan bin Daniyal, Ali Mahmood Humada, "Maximum Power Prediction for PV System based on P&O Algorithm", *Journal of Advanced & Applied Sciences (JAAS)*, Vol. 3, Issue 4, pp.113-118, 2015.
- Ali M. Humada, Mojgan Hojabri, Mohd Herwan Sulaiman, Hussein M. Hamada, **Mushtaq Najeeb**, "Exploring and Assessment of Effect the Fast Changing of the External PV Parameters on the PV Characteristics" *International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)*, Vol. 1, Issue 1, pp. 29-34, 2015.
- **Mushtaq Najeeb**, Mojgan Hojabri, Ali Mahmood Humada, Hamdan Bin Daniyal, Hatem Fahad Frayyeh, "An Overview

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	<p><i>on Microgrid Control Strategies” International Journal of Engineering and Advanced Technology (IJEAT), Vol. 4 Issue-5, pp. 93-98, June 2015.</i></p> <ul style="list-style-type: none"> • <i>A. M. Humada, M. Hojabri, M. B. Mohamed, Mushtaq Najeeb, M. H. Bin Sulaiman, “A New Method of PV Reconfiguration under Partial Shadow Conditions based on DC/DC Central Converter,” International Journal of Renewable Energy Resources, Vol. 4, pp. 49-53, 2014.</i> • <i>Mushtaq Najeeb, Mojgan Hojabri, Hamdan bin Daniyal, Ali Mahmood Humada" Simulation of Regulated Power Supply for Solar Photo-Voltaic Model", International Journal of Engineering Sceince & Reseach Technology (IJESRT),ISSN 2277-9655, Vol. 2, Issue 12, pp. 3607-3613, Dec. 2013.</i> • <i>Ali Mahmood Humada, Mojgan Hojabri, Mushtaq Najeeb, " Reconfiguration Method Based on DC-DC Central Converter within Different Mismatch Conditions" International Journal of Engineering Sceince & Reseach Technology (IJESRT),ISSN 2277-9655, Vol. 2, Issue 12, pp. 3634-3639, Dec. 2013.</i> • <i>M.A.A. YOUNIS, Tamer KHATIB, Mushtaq Najeeb, A Mohd ARIFFIN "An Improved Maximum Power Point Tracking Controller for PV Systems Using Artificial Neural Network "Journal of Electrical Review (Poland), ISSN 0033-2097, Vol. 88, Issue NR 3b, pp. 116-121, Jan.2012.</i>
<p>Seminars and Workshops Attended</p>	<ul style="list-style-type: none"> • <i>Workshop on Issues of Solar PV Integration into the Grid, organized by University of Malaya (UM), UM Power Energy Dedicated Advanced Centre (UMPEDAC), Malaysia, Petaling Jaya, conducted on 16th of Nov. 2016.</i> • <i>Workshop on Viva Voce Skills, organized by Universiti Malaysia Pahang (UMP), Institute of Postgraduate studies (IPS), Malaysia, Gambang Campus, Pahang 26300, conducted on 18th of April 2016.</i> • <i>Workshop on High Impact Research Tools, executive training which organized by FilsPay Academy 867118-D, given by the instructor Dr. Saif Alsewaidi, conducted on 13th and 14th June 2015, Selangor 43000, Malaysia.</i>

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	<ul style="list-style-type: none"> • <i>Workshop on research methodology, organized by Universiti Malaysia Pahang (UMP), Institute of Postgraduate studies (IPS), Malaysia, Gambang Campus, Pahang 26300, conducted on (8-9) of April 2014.</i> • <i>Seminar on quality assurance, organized by the department of Quality Assurance and Reliability, University of Anbar, Ramadi, Iraq, May 2013.</i> • <i>Workshop on creation an electronic class, organized by Faculty of Computer at University of Anbar, Ramadi, Iraq, 5th March 2013.</i> • <i>Seminar on Learning Styles & Test Taking, organized by Universiti Tenaga Nasional (UNETIN), Malaysia, Sep. 2011.</i> • <i>Seminar on research proposal writing, organized by Faculty of Engineering, UNETIN, Malaysia, June 2011.</i> • <i>Seminar on paper publication, organized by College of Graduate Studies, UNETIN, Malaysia, May 2011.</i> • <i>Seminar on English Conversation between Arab and Malaysian Students, organized by Institute of Liberal Studies (UNITEN), Malaysia, April 2010.</i> • <i>Seminar on GPS and GIS skills, organized by Center of Desert Studies at University of Anbar, Ramadi, Iraq, May 2005.</i>
<p style="text-align: center;">List of Courses Attended</p>	<ul style="list-style-type: none"> • <i>Course on Technical Writing, organized by Universiti Malaysia Pahang (UMP), Institute of Postgraduate studies (IPS), Malaysia, Gambang Campus, Pahang 26300, conducted on (30-31) of March 2016.</i> • <i>Training course on Professional Guide for Business Leadership, which organized by the Science Institute for Advanced Training and Studies (SIATS), during the international scientific season for conferences, workshops and training institutions exhibition (ISSCWE), conducted on (12-13) of Dec. 2015, Melia Hotel, Kuala Lumpur, Malaysia.</i>

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	<ul style="list-style-type: none"> • <i>Course on Project Management Professional (PMP), which organized by FilsPay Academy 867118-D, given by the instructor Dr. Nawras Watfa, conducted on 13th and 14th Oct. 2015, Selangor 43000, Malaysia.</i> • <i>Course on Research Methodology, executive training which organized by FilsPay Academy 867118-D, given by the instructor Prof. Dr. Saad Mekhilef (UM staff), conducted on (17-18) of Jan. 2015, Selangor 43000, Malaysia.</i> • <i>Program on Leader Engineer, organized by Faculty of Engineering at University of Anbar, Ramadi, Iraq, conducted on (1-10) of May 2012.</i> • <i>Program on Educational Rehabilitation, organized by Center of Methods of Teaching and Continuous Learning, University of Anbar, Ramadi, Iraq, conducted on (8-22) of April 2012.</i> • <i>Course on Personal Strategic Planning, organized by International Academy of Personal Training and Leadership Development, N: 801-101-237, conducted on (21-23) of June 2012 in Erbil, Iraq.</i> • <i>Course on Multi-Level Marketing Essentials, organized by IIUM Center for Continuing Education, Muse Training Center, ICCE manager, Kuala Lumpur, Malaysia, 28th Jan. 2012.</i> • <i>Course on Latex Skills, organized by Student Affairs Center, Malaysia, Universiti Tenaga Nasinoal (UNITEN), 8th Jan.2011.</i> • <i>Course on Intensive English (IEP), Level1 2nd November 2009-5th Feb.2010, level2 1st March 2010-4th June 2010, Malaysia, UNITEN (Institute of Liberal Studies).</i> • <i>Course on ICDL Skills, organized by Computer and Information Technology Center at University of Anbar, Ramadi, Iraq, 1st July – 15th August 2008.</i>
	<ul style="list-style-type: none"> • <i>Member of the committee to discuss the projects of the graduated students in the Department of Electrical</i>

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Services to The University	<p><i>Engineering, University of Anbar, June 2013.</i></p> <ul style="list-style-type: none">• <i>Member of the committee to rewrite the electrical engineering guide, Faculty of Engineering, University of Anbar, Ramadi, Iraq, March 2013.</i>• <i>Member of the supervision committee of University day celebration, University of Anbar, Ramadi, Iraq, Dec. 2012.</i>• <i>Member of the committee test scores for Electrical Engineering Department at University of Anbar, Ramadi, Iraq, Dec. 2012.</i>• <i>Member of the coordination committee of quality assurance, Faculty of Engineering at university of Anbar, Ramadi, Iraq, Nov. 2012.</i>• <i>Member of the examination committee and repair of electrical appliances laboratory, University of Anbar, Ramadi, Iraq, Oct. 2012.</i>• <i>Member of the research team to work in the renewable energy research center, University of Anbar, Ramadi, Iraq, Sep. 2012.</i>• <i>Member of the Student Solidarity Fund, Electrical Engineering Department at University of Anbar, Ramadi, Iraq, May 2012.</i>• <i>Member of the requirements committee of Electrical Engineering Department, University of Anbar, Ramadi, Iraq, Nov. 2007.</i>
Conferences Attended	<ul style="list-style-type: none">• <i>Attending the 8th science conference, organized by AL-Maaref University College, Ramadi, Iraq, during (10-11) of March 2012.</i>
Awards	<ul style="list-style-type: none">• <i>Gold Medal</i>, participated as a higher organizing committee, at the international scientific season for conferences, workshops and training institutions exhibition (ISSCWE), given by the Science Institute for Advanced Training and

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	<p><i>Studies (SIATS), conducted on (12-13) of Dec. 2015, Melia Hotel, Kuala Lumpur, Malaysia.</i></p> <ul style="list-style-type: none">• <i>Silver Medal</i>, <i>participated as a higher organizing committee, at the international scientific season for conferences, workshops and training institutions exhibition (ISSCWE), given by FilsPay Academy 867118-D, conducted on (12-13) of Dec. 2015, Melia Hotel, Kuala Lumpur, Malaysia.</i>• <i>Two Bronze Medals</i>, <i>participating in the Creation, Innovation, Technology & Research Exposition (Citrex 2014), organized by Universiti Malaysia Pahang (UMP), Malaysia, Gambang Campus, Pahang 26300, during (5-6) of March 2014. Under the titles: “An Improved Maximum Power Point Tracking Controller (MPPT) For PV Systems Using Artificial Neural Network” and “Transient Behavior of High Voltage Underground Cables”</i>
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