



Curriculum Vita

Sarab Al-Chlaihawi

Personal Information

Name: SARAB JWAID MOUSA AL-CHLAIHAWY
Address: Najaf-Iraq
Religion: Muslim
Nationality: Iraqi
Born: 21/09/1973
Marital Status: Married

Contact Details

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Education

- ✓ B.SC degree in (Electromechanical Engineering/ Electrical Engineering Department) in 1995/University of Technology/ Baghdad.
- ✓ Master of Technology Degree in Electrical and Electronic Engineering (power Electronics Engineering) (2010-2012) from Jawaharlal Nehru Technological University Hyderabad, HYDERABAD- ANDHRA PRADESH- INDIA.
- ✓ Ph.D. student in University Politehnica of Bucharest, Faculty of Electrical Engineering, Romania, Bucharest, 2014-2017.

Work Experience

- In 1996, joined the Department of Electrical, Technical Institute, as a Technical Trainer.
- In 2013 she became Assist Lecturer in AL-Furat Al-Awsat Technical University, Najaf, Iraq.

Language

- Arabic Native language
- English Good, in speaking and in writing

Qualifications and Skills

- I have good experience in using computer and the programs Microsoft office Word, Excel and PowerPoint. - Comprehensive Knowledge in Internet Explorer.
- Good in MATLAB Program.

Training Courses & Certificate

- ✓ Networking Course (HARDWARE & NETWORKING , MCIT 2008- SERVER ,CCNA , EXCHANGE SERVER , LINUX/UNIX , CCNP , FIREWALL & INTRO TO ETHICAL HACKING , ETHICAL HACKING & COUNTERMEASURES EXPERT) (2012).
- ✓ Industrial Automation Training Course (Extensive Industry Oriented Training On Projects Incorporating PLC'S , SCADA , HMD , CONTROLLERS , DRIVES [AC & DC] , AND PROCESS CONTROL INSTRUMENTATION) (2012).
- ✓ Matlab Course (SIM-POWER SYSTEM) (2012).
- ✓ English Certificate from British Council in INDIA / EVOLUTION COURSE AT PRE-INTERMEDIATE LEVEL (2012)
- ✓ English Certificate from British Council in ROMANIA / COURSE AT INTERMEDIATE 3B, Summer 5th-28th August 2015.
- ✓ Certificate From Jawaharlal Nehru Technological University Hyderabad that is to certify that this college is offering M.Tech (POWER ELECTRONICS ENGINEERING) in English Medium only (2012).

Published Journal Papers

1. **S. J. M. Al-Chlaihawi**, "Double Input Z-Source DC-DC Converter," *International Journal of Scientific Engineering and Technology Research*, vol.02, no. 17, November 2013, pp. 2008-2016.
2. **S. J. M. Al-Chlaihawi**, "Modeling, Design and Fault Analysis of Bidirectional DC-DC Converter for Hybrid Electric Vehicles," *International Journal & Magazine of Engineering, Technology, Management and Research*, vol. 3, no. 3, March 2016, pp. 511-517.
3. **S. J. M. AL-Chlaihawi**, "Multiport Converter in Electrical Vehicles-A Review," *International Journal of Scientific and Research Publications*, vol. 6, no. 5, May 2016, pp. 378-382.
4. **S. Al-Chlaihawi**, A. Al-Gizi, and A. Craciunescu, "The analysis and comparison of multiport converter used for renewable energy sources" *Advances in Science, Technology and Engineering Systems Journal (ASTESJ)*, vol. 2, no. 3, pp. 906-912, 2017.

5. **S. Al-Chlaihawi**, and A. Craciunescu, "Fuzzy logic power flow control in split full bridge three-port converter," *U. P. B. Sci. Bull., Series C*, vol. , no. , pp. - , 2018. (submitted for publication)
6. A. Al-Gizi, **S. Al-Chlaihawi**, and A. Craciunescu, "Efficiency of photovoltaic maximum power point tracking controller based on a fuzzy logic," *Advances in Science, Technology and Engineering Systems Journal (ASTESJ)*, vol. 2, no. 3, pp. 1245-1251, 2017.
7. A. Al-Gizi, **S. Al-Chlaihawi**, and A. Craciunescu, "Comparative study of some FLC-based MPPT methods for photovoltaic systems," *MATTER: International Journal of Science and Technology*, vol. 3, no. 3, pp. 36-50, 2017. doi: <https://dx.doi.org/10.20319/mijst.2017.32.3650>
8. A. Al-Gizi, **S. Al-Chlaihawi**, M. Louzazni, and A. Craciunescu, "Genetically optimization of an asymmetrical fuzzy logic based photovoltaic maximum power point tracking controller," *Advances in Electrical and Computer Engineering*, vol. 17, no. 4, pp. 69-76, 2017. doi: 10.4316/AECE.2017.04009

Published Conference Papers

1. **S. J. Al-Chlaihawi** and A. G. Al-Gizi, "A survey of multiport converters used in renewable energy," *2016 International Symposium on Fundamentals of Electrical Engineering (ISFEE)*, Bucharest, Romania, 30 June -2 July, 2016, pp. 1-4, doi: 10.1109/ISFEE.2016.7803185
2. **S. J. Al-Chlaihawi**, "Comparative study of the multiport converter used in renewable energy systems," *2016 International Conference on Applied and Theoretical Electricity (ICATE)*, Craiova, Romania, October 6-8, 2016, pp. 1-6.
3. **S. Al-Chlaihawi** and M. Louzazni, "Hybrid Photovoltaic – Battery Energy Management System Using Multiport DC-DC Converter," *2016 The fourth Edition of the International Renewable and Sustainable Energy Conference (IRSEC'16)*, Marrakech-Morocco.
4. **S. J. Al-Chlaihawi**, A. Craciunescu, A. G. Al-Gizi, "Power flow management in three port converter using PV panel with maximum power point tracker," *2017 10th IEEE International*

Symposium on Advanced Topics in Electrical Engineering (ATEE 2017), Bucharest, Romania, March 23-25, 2017, pp. 585-590, doi: 10.1109/ATEE.2017.7905136

5. **S. J. Al-Chlaihawi**, A. Craciunescu, M. Louzazni, A. G. Al-Gizi, "Full bridge three port converter power flow control using fuzzy logic controller," *17th IEEE International Conference on Environmental and Electrical Engineering 1st Industrial and Commercial Power Systems Europe*, Milan, Italy, June 6-9, 2017, pp. 2694-2699, doi: 10.1109/EEEIC.2017.7977868
6. A. G. Al-Gizi and **S. J. Al-Chlaihawi**, "Study of FLC based MPPT in comparison with P&O and InC for PV systems," *2016 International Symposium on Fundamentals of Electrical Engineering (ISFEE)*, Bucharest, Romania, 30 June -2 July, 2016, pp. 1-6, doi: 10.1109/ISFEE.2016.7803187
7. A. G. Al-Gizi, A. Craciunescu, and **S. J. Al-Chlaihawi**, "The use of ANN to supervise the PV MPPT based on FLC," *2017 10th IEEE International Symposium on Advanced Topics in Electrical Engineering (ATEE 2017)*, Bucharest, Romania, March 23-25, 2017, pp. 703-708, doi: 10.1109/ATEE.2017.7905128
8. A. Al-Gizi, A. Craciunescu, and **S. Al-Chlaihawi**, "Improving the performance of PV system using genetically-tuned FLC based MPPT," *2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP)*, Brasov, Romania, May 25-27, 2017, pp. 642-647, doi:10.1109/OPTIM.2017.7975041
9. A. Al-Gizi, S. Al-Chlaihawi, and A. Craciunescu, "Comparative study of some FLC-based MPPT methods for photovoltaic systems," *19th International Conference on Researches in Science & Technology (ICRST)*, Barcelona, Spain, July 27-28, 2017.

Additional Information

- Iraqi Engineers Union
- IEEE, student member