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Professor in Electrical and Electronic  
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**Publications.**

1. SHABAN, M. "Efficiency Control of Inverter-Fed Induction Motor Drives". In proceeding of the 11<sup>th</sup>EEICT Conference, FECT, University of Technology, Brno, Czech Republic, 2005, pp.146-150. ISBN:80-214-2889-9.
2. SHABAN, M. "Energy Saving of Inverter Supplied Induction Motor Drives". In EPVE Conference 2005. Elektrické Pohony a výkonová Elektronika. University of Technology, Brno, Czech Republic, 8-9/11/2005, pp.151-154. ISBN:80-214-3052-4.
3. SHABAN, M. "Quality Assessment of Modeling and Simulation". In EPVE Conference 2005. Elektrické Pohony a výkonová Elektronika. University of Technology, Brno, Czech Republic, 8-9/11/2005, pp.155-158. ISBN:80-214-3052-4.
4. SHABAN, M. "Optimum Efficiency Control of induction Motor Drives". In Proceeding of the 12<sup>th</sup> EEICT Conference, FECT, University of Technology, Brno, Czech Republic, 2006. Pp.91- 95. ISBN:80-214-3162-8.
5. SHABAN, M. "The Power Losses Balance in Induction Machines". In EPVE Conference 2006. Elektrické Pohony a výkonová Elektronika. University of Technology, Brno, Czech Republic, 7-8/11/2006, pp.212-214. ISBN:80-214-3286-1.
6. SHABAN, M. "Simulation of Optimum Efficiency Control of Induction Machine". In EPVE Conference 2006. Elektrické Pohony A výkonová Elektronika. University of Technology, Brno, Czech Republic, 7-8/11/2006, pp.215-217. ISBN:80-214-3286-1.
7. SHABAN, M. "Quality of Computer Software and Measurement". In Proceeding of the 13<sup>th</sup> EEICT Conference .FECT, University of Technology, Brno, Czech Republic, 2007, pp. 194 -198. ISBN:978-80-214-3409-7.
8. SHABAN, M. "Simulation of asynchronous machines". In Proceeding of the XV Conference Computer Applications in Electrical Engineering. Institute of Electrical Engineering and Electronics, Poznan University of Technology, Poland, April 19-21, 2010. pp. 185-186. ISBN: 978-83-89333-34-6.

➤ **Personal information:**

- Name: Mohamed Abdu Salam Shaban Ali
- Date and place of birth: 02/20/1965 Surman
- Nationality: Libyan.
- Languages: English reading and writing.

📖 **Qualifications:**

- 📖 Higher Diploma in Electrical Engineering 1989. (Higher Institute of Electricity, Surman)
- 📖 Master of Electrical and Electronic Engineering - Budapest University of Science and Technology 2000.
- 📖 Ph.D. in Electrical and Electronic Engineering, Brno Technical University - Faculty of Electricity and Communications, Czech Republic, 2008.

✓ **Personal experiences:**

- ✓ Director of the Documentation and Information Office from 2012 to 2013.
- ✓ Director of the Office of Scientific and Technical Affairs since 2009 at the Institute until 06/2012.
- ✓ Member of the Scientific Committee since 2009 at the Institute and until 2012.
- ✓ Member of the World Affairs Committee on behalf of faculty members from 2009 until 06/2012.
- ✓ Member of the scientific committee of the first scientific conference for technical and technical education (with technical science we rise) - Al-Zawiya, from January 16-17, 2013.
- ✓ Head of the Department of Electrical and Electronic Engineering in the period (2000-2002) at the Institute.
- ✓ Laboratory engineer, period (1992-1997).
- ✓ Assistant engineer of the electrical maintenance laboratory and the electrical installation laboratory in the period from (1989-1992).
- ✓ Lecturer - Zawia University (College of Engineering Sabratha - College of Engineering Raqdalín).
- ✓ Lecturer - at the following institutes (The Higher Institute for Comprehensive Professions Al-Zahraa - The Higher Institute for Comprehensive Professions Zawia - The Higher Institute for Comprehensive Professions Sabratha - Preparing Teachers Abu Issa previously - The Higher Institute for Mechanical Professions Janzour - College of Education Abu issa (Department of Physics - Higher Institute of Marine Sciences Sabratha - College of Computer Technologies Al Zawia)) .
- ✓ Lecturer - a course to raise the efficiency of male and female teachers of basic sciences in Kalaman (Sabratha-Surman).



9. SHABAN, M. "Control of PWM inverter-fed induction motors". In Proceeding of the XV Conference Computer Applications in Electrical Engineering. Institute of Electrical Engineering and Electronics, Poznan University of Technology, Poland, April 19-21, 2010. pp. 187-188. ISBN: 978-83-89333-34-6..
10. SHABAN, M. "Speed control of Dc motor using combined armature and field control" المؤتمر العلمي الثالث بمدينة الخمس تحت ((الابحاث العلمية في ظل مؤسسات التعليم التقني)) في 2012\05\09
11. Ali A. Mehna, SHABAN, M., Ali S. Zayed" Some Design Issues in Designing of 50KW 50Krpm Permanent Magnet Synchronous Machine". In Proceeding of the ICECECE 2012: International Conference of Electrical, Computer, Electronics, Communications Engineering, Paris, France, August 22-23, 2012.
12. SHABAN, M., Ali A. Mehna "Simulation of Induction Machine Using Lumped Parameters Model". In Proceeding of the ICCESSE 2012: International Conference on Computer, Electrical, and Systems Sciences, and Engineering, Dubai, October 8-9, 2012, pp.730-732.
13. SHABAN M., YOSEFS.ATTOMI" Microcontroller Based Adjustable Speed Closed –Loop DC Motor Drive". In Proceeding of the ICECE 2013: International Conference on Electronics and Communication Engineering, Istanbul, Turkey, June 20-21, 2013, PP.178.
14. SHABAN M, YOSEF ATTOMI"STUDY OF ELECTRO-THERMAL STRESS OF IGBT DEVICES". In Proceeding of the XVIII Conference Computer Applications in Electrical Engineering. Institute of Electrical Engineering and Electronic, Poznan University of technology, Poland, April 21-23, 2013.pp.ISBN: 978-83-89333-34-9.
15. SHABAN M, ADAL YAHAY "Losses of Distribution Transformer under Load and Ambient Temperature" IN International Journal of Modern Engineering Research (IJMER) INDIA, | Vol. X | Iss. X | Month 2015 | 1 |.
16. SHABAN M, Adel Yahya, Yousif Yahya" Apply Unit Commitment Method in Power Station to Minimize the Fuel Cost " Open Journal of Social Sciences, 2015, 3, 166-173 Published Online July 2015 in SciRes, <http://www.scirp.org/journal/jss>.
17. SHABAN M,"THREE-PHASE AC CHOPPER SUPPLIED FOR INDUCTIONMOTOR "International Journal of Engineering Inventions, e-ISSN: 2278-7461, p-ISSN: 2319-6491, Volume 7, Issue 8 [August 2018] PP: 01-06 .
18. SHABAN M,ABD ALFTHAHA ELFARIH,ADEL YAHYA "Control of Resistance Estimation of Switched Reluctance Motor "International Journal Of Modern Engineering Research (IJMER), vol. 08, no. 09, 2018, pp.46-49,2018.
19. SHABAN M, MAULOD KHANAN," Circuit-Field Model of Switched Reluctance Motor" Journal of Multidisciplinary Engineering Science and Technology (JMEST) ISSN: 2458-9403 Vol. 5 Issue 10, October – 2018, PP: 8934-8937.
20. SHABAN M, ADEL YAHYA," Measurement of External Magnetic Field of Induction Motor" Journal of Multidisciplinary Engineering Science and Technology (JMEST) ISSN: 2458-9403 Vol. 6 Issue 8, AUGUST – 2019, PP: 10488-10490.
21. SHABAN M. "Asynchronous Generator Non-Linear Mathematical Model in Simulation of Transient State" International Research Journal of Advanced Engineering and Science, ISSN (Online): 2455-9024, Volume 5, Issue 2, pp. 99-101, 2020.
22. SHABAN M. Adel Yahya" Analysis of Nonlinear Third Order Phase – Linked Loop" International Research Journal of Advanced Engineering and Science .ISSN (ONLINE) 2455-9024, Volume 5, Issue 4, pp. 231-233, 2020.
23. SHABAN M. Nuri M.Trika. Adel Yahya"Power Quality Analysis of Grid-Connected Wind Turbine system" International Research Journal of Advanced Engineering and Science .ISSN (ONLINE) 2455-9024.PP.13130-13132.
24. MAULOD KHANAN,MOHAMED SHABAN" Designing and implementing a narrow double notch filter to remove two undesired tones from an audio signal" International Journal of Advanced Research in Science, Engineering and Technology, ISSN: 2350-0328, Vol. 7, Issue 12 , December 2020,PP.16139-16144.
25. SHABAN M, Salah Albakoush, Adel A.Gamati"Soft start of three-phase transformer". International Journal of Innovation Engineering and sciences Research, Vol.7, ISSUE 1, Pp.10-13, January 2023.

- ✓ Supervising several graduation projects in (College of Engineering Sabratha - Higher Institute for Comprehensive Professions Sorman - Higher Institute for Comprehensive Professions Sabratha - Higher Institute of Marine Sciences Sabratha).
- ✓ Member of the faculty of Sorman College of Science and Technology from (1989 until now).
- ✓ Member of the Libyan Society for Research and Scientific Studies.
- ✓ Member of the scientific advisory Board of Al-jameai journal.

## Courses

- A training course in the field of technical and technical education in 1992 (The Arab Union for Technical and Technical Education in Iraq)
- Study course in languages: - Hungarian - Czech.
- A training course in the field of technical training and quality from Brno Technical University.
- A training course on the electrical circuit analysis program (or-cad, mat-lab).

## Academic IDs

- ✚ [Google Scholar](#). [Mohamed Shaban - Google](#) الباحث العلمي من
- ✚ [Research Gate](#). [Mohamed A. Shaban \(researchgate.net\)](#)
- ✚ [Pueblons](#).
- ✚ [Academia](#). [\(74\) Dr: Mohamed Shaban - Academia.edu](#).
- ✚ <https://orcid.org/0000-0003-0622-565x>.

## Scientific interests

- ❖ Control of electrical machines.
- ❖ Electrical power systems.
- ❖ Electrical protection systems.
- ❖ Power electronics.
- ❖ Digital systems.
- ❖ Distribution and protection networks.



26. Fathi Elbakoush, Kamal Alhauwari, Mohamed Shaban” Improve thermal behavior of thin polyimide films using infrared spectroscopy analysis and electrical” International Research Journal of Advanced Engineering and Science, ISSN (Online): 2455-9024, Vol. 8, Issue 3, pp. 23-28, 2023.
27. Abdalftaha Elfarihi, Mohamed Shaban” Analysis of the Torque of a Permanent Magnetic Synchronous Motor with Single Tooth Coils” International Research Journal of Advanced Engineering and Science, ISSN (Online): 2455-9024, Volume 9, Issue 4, pp. 224-226, 2024.
28. Mohamed Shaban,<sup>2</sup>Abdulmanam Abdulwhab” Parallel Active Power Filter using A Resonant Converter” International Research Journal of Advanced Engineering and Science, ISSN (Online): 2455-9024, Volume 10, Issue 4, pp. 85-88, 2025.
29. Mohamed Shaban, Abdulmanam Abdulwhab, Aboulqasim Husayin “Estimation of Induction Motor Parameters Basing on Static Characteristics Determined by Means of Filed Circuit Model” International Journal Of Modern Engineering Research (IJMER), vol. 08, no. 09, 2025, PP. x.y, 2025.
30. Mohamed Shaban, Tariq Fulayfil, Abdulmanam Abdulwhab ”Limiting the Transform Inrush Current by Switching at the Optimal Phase of the Supply Voltage Waveform” International Research Journal of Advanced Engineering and Science, ISSN (Online): 2455-9024, Volume 11, Issue 1, pp. 85-88, 2025.