

Academic Curriculum Vitae



Personal Information:

Full Name: Hilmi Fadhil Ameen
Academic Title: Assistant Professor
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Education:

- PhD, Electrical Engineering Department, Engineering College, Salahaddin University-Erbil, Kurdistan Region, IRAQ, 2022.
- Dissertation: Performance Analysis of Wound Rotor Induction Motor Drive Systems Subjected to Unbalance and Distortion in Supply Voltage
- M.Sc., Electrical and Electronic Engineering Department, University of Technology Baghdad, IRAQ, 2003.
- Thesis Static Rotor Resistance Control of Slip Ring Induction Motor Using Power MOSFET.
- B.Sc., Electrical Engineering Department, Engineering College, Salahaddin University-Erbil, Kurdistan Region, IRAQ, 1991.

Employment:

- 1992-1999 Lab Engineer, Lab supervisor and Teaching Assistant in Electrical Machine Lab, Dept. of EE at Salahaddin University- Erbil.
- 1999-2002 M.Sc. Student, Electrical and Electronic Engineering Department, University of Technology- Baghdad.
- 2003-2007 Assistant Lecture, Salahaddin University-Erbil.
- 2007-2011 Lecture, Salahaddin University-Erbil.

- 2014-2016 Head of Electrical and Electronic Engineering Department.
- 2019- up to date Assistant Professor, Salahaddin University-Erbil.

Qualifications

- Pearson Test of English -PTE: 47
- IELTS 5.5.
- Advanced Level in English Language - Language Center- Salahaddin University-Erbil.
- Lab supervisor and Teaching Assistant, Machine Laboratory, Salahaddin University-Erbil.
- Assistant Lecture, Salahaddin University-Erbil.
- Lecturer, Salahaddin University-Erbil.
- Assistant Professor, Salahaddin University-Erbil.

Teaching experience:

- Courses, trainings, Electrical Machine lab. and Electrical power lab. supervision, etc.,
- Power Distribution, MSc Course, Dept. of EE, Salahaddin University-Erbil.
- Electrical Machine Design, MSc Course, Dept. of EE, Salahaddin University-Erbil.
- Generalized Machine Theory, PhD Course, Dept. of EE, Salahaddin University-Erbil.
- Electric Drive Systems, MSc Course, Dept. of EE, Salahaddin University-Erbil.
- AC machine I, Dept. of EE, Salahaddin University-Erbil.
- AC machine II, Dept. of EE, Salahaddin University-Erbil.
- Advance Electrical Machine Dept. of EE, Salahaddin University-Erbil.
- Special Electrical Machine Dept. of EE, Salahaddin University-Erbil.
- Power Electronics, Dept. of EE, Salahaddin University-Erbil.
- Power and Machine, Dept. of EE, Salahaddin University-Erbil .
- Discrete Mathematics Dept. of SE, Salahaddin University-Erbil.
- Digital Circuits, Dept. of Math and computer, Soran University - Soran.
- Artificial Intelligence, Dept. of Math and computer, Soran University - Soran.
- Power Conversion, Dept. of Computer, College of Engineering, Koya, Erbil.
- Electric circuits, Dept. of Mechatronics , College of Engineering, Tishk University, IRAQ.
- Electric Machine, Dept. of Mechatronics , College of Engineering, Tishk University, IRAQ.

Research and publications

- Design of high efficiency DC-DC converter for photovoltaic solar home applications
DR Suleiman, HF Ameen, IK Said Journal of Energy and Power engineering 4 (11) 2010.
- Computer simulation and mathematical modelling of static rotor resistance chopper

control of WRIM by reference frame theory, HF Ameen, Procedia Computer Science 3, 1009-1017, 2011.

- The Current Control Regulator Parameters Effect based on PI+ MR of DFIG WT under Grid Voltage Distortion at PCC, HF Ameen, BS Ibrahim, ZANCO Journal of Pure and Applied Sciences 28 (2) 2016.

- Stator current harmonic analysis and torque pulsation of wound rotor induction motor speed control by chopper resistance in rotor circuit, HF Ameen, ZANCO Journal of Pure and Applied Sciences 19 (1) 2007.

- Performance Analysis of the Slip Power Recovery Induction Motor Drive System Under Unbalance Supply Voltages , FTA Hilmi & Fadhil Ameen, Advance in Electrical and Electronic Engineering 19 (3), 192-202, 2021.

- Performance Analysis and Modeling of SRRCCIM under the Impact of Unbalance Supply Voltage, AF AMEEN Hilmi, JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING 14 (1), 5-15 ,2021.

- Using fan speed control method for microprocessors dynamic thermal management. DR Suleiman, HF Ameen, NT Husein, WSEAS Transactions on Circuits and Systems 5 (1), 142-147, 2006.

- The influence of non-sinusoidal voltage sources on the steady state performance of different NEMA Designs of IMs HFA Nihaya Abdulghafoor Othman, ZANCO Journal of Pure and Applied Sciences 34 (6), 8-20, 2022.

- Performance Analysis of Photovoltaic Panels Under the Effect of Electrical and Environmental Parameters in Erbil City, Banaz S. Ibrahim, Sarkar Jawhar M. Shareef, Hilmi F. Ameen, UKH Journal of Science and Engineering (UKHJSE) 5 (8), 101-110 2021.

- Performance Analysis of WRIM Drive System Operating under Distorted and Unbalanced Supply: A Survey, HF Ameen, FT Aula, Zanco Journal of Pure and Applied Sciences 32 (6), 197-216, 2020.

- The DFIG WT Performance under Grid Voltage Distortion with Proportional Integral and Multi Resonant Current Controller, HFA Banaz S. Ibrahim, ZANCO Journal of Pure and Applied Sciences 28 (2), 288-298 2016.

- The Current Control Regulator Parameters Effect based on PI+MR of DFIG WT under Grid Voltage Distortion at PCC, HFA Banaz S. Ibrahim, Zanco journal of applied sciences 28 (2), 78-91, 2016.

- Minimizing Rotor Current Distortion of WRIM Chopper Resistance control Using Third Harmonic Current Injection, HF Ameen, ZANCO Journal of Pure and Applied Sciences 1 (June-2011) 2011.

- ANN-Based Speed Control by Slip Power Recovery of IM, AAR 7. Hilmi F. Ameen Journal of Dohuk University 14 (1) ,2011.

- Total harmonic reduction of WRIM chopper resistance control using three phase boost

rectifier in rotor circuit, HF Ameen, Zanko, 22 (3), 2011.

- ANN-Based: WRIM Speed Control and Harmonic analysis of Rotor Chopper Resistance
IK Saeed, HF Ameen, Journal of Engineering and Sustainable Development (JEASD) 15 (2)
2011.

Conferences and courses attended

- High Chopper Frequency Drive of Wound Rotor Induction Motor With a Resistively
Loaded Rotor Chopper, HF Ameen, Conference on Scientific Research Outlook &
Technology (SRO4), 595, 2006.

- Fuzzy Logic Control for Speed of WRIM with Static Chopper Resistance in Rotor Circuit
HF Ameen, the 3rd International Scientific conference of Salahaddin University-Erbil ...
2011.

- New Design circuit harmonic reduction of single phase converter by current injection
method, HFA Hussein I. Zynal, Salar A.Kadir, The international conference on renewable
energy(ICRE) , Damascus, Syria, 5, 2010.

- Torque Pulsation Reduction of Slip Ring Induction Motor Speed Control by Static
Chopper Resistance, IKS Hilmi F. Ameen, Conference on Scientific Research Outlook &
Technology (SRO4), 586, 2006, Articles 1–20.

Professional memberships

- Advanced in Electrical and Electronic Engineering (AEEE)

- Al-Rafidain Engineering Journal (AREJ)

- Iraqi Engineers Union

- Kurdistan Engineering Syndicate (KES)

- Kurdistan Teachers Union

Professional Social Network Accounts

- Academic Website: <https://academics.su.edu.krd/hilmi.ameen>

- ORCID: <https://orcid.org/0000-0001-7805-2933>

- Google Scholar: <https://scholar.google.com/citations?user=lianc5gAAAAJ&hl=en>

- Research gate: [https://www.researchgate.net/project/Speed-control-of-three-phaseIM-by-frequency-variation project.](https://www.researchgate.net/project/Speed-control-of-three-phaseIM-by-frequency-variation-project)

- LinkedIn: <https://www.linkedin.com/in/hilmi-ameen/>