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**Academic Curriculum Vitae**



**Personal Information:**

Full Name: Ismael Kareem Saeed

Academic Title: Assistant Professor

Email: (university email) ismael.saeed@su.edu.krd

Mobile: 00964 750 4485865

**Education:**

* BSc. 1991 Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil \ Iraq.
* MSc. 2002 Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil \ Iraq.
* PHD. 2023 Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil \ Iraq.

**Employment:**

* From 2019 till now one of the faculty members as an assistant professor in Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil.
* From 2010 to 2019 one of the faculty members as a lecturer in Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil.
* From 2002 to 2010 one of the faculty members as an assistant lecturer in Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil.
* From 1993 to 2002 worked as an engineer in the machines, power and high voltage laboratories in Elec. Eng. Dept.\ College of Eng. \ Salahaddin University-Erbil.

**Qualifications**

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| **1- Training Courses** |
| **Name of course** | **Duration** | **Place** |
| **Computer Applications/Programming** | **2 Weeks, April- 2002** | **Erbil Institute**  |
| **Software Applications** | **6 Weeks, June 2003** | **College of Science / University of Salahaddin** |
| **Teaching Methods& Psychology Science**  |  **Sep. 2003** | **University of Salahaddin** |
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| **2- Software** |
| **Name of Program** | **Type** |
| **C++ Program Language**  | **Procedure and Visual**  |
| **SML Language**  | **Procedure** |
| **Basic Language**  | **Visual** |
| **MATLAB**  | **Procedure** |
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| **3- Language** |
| **Name of language** | **Reading** | **Writing** | **Speaking** |
| **Kurdish** | **Excellent** | **Excellent** | **Excellent** |
| **Arabic** | **Excellent** | **Excellent** | **Very Good** |
| **English** | **Excellent** | **Very Good** | **Very Good** |
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* In 2022 obtained the Advanced Intermediate Stage Certificate at the Language Center at Salahaddin University-Erbil, with an equivalent score of 6 in IELTS.

**Teaching experience:**

* Power System Analysis, Power System Operation and control, Power Engineering, Engineering Analysis, Mathematics, Discrete Mathematics, Electrical Circuits, Final Project Supervisor and Machines, Power and High Voltages Labs.

**Research and publications**

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| **Title of thesis \ researches** | **Publishing place** | **DOI** | **Volume**  | **Date** |
| **Load Balancing & Reactive Power Control by using Static VAR Compensation**  | **College of Engineering / University of Salahaddin, Arbil, Iraq** |  | **68 S** **(68 ص)** | **2002** |
| **Load Balancing by using Static VAR Compensator** | **Zanco Journal of Pure and Applied Sciences/ University of Salahaddin**  | 10.21271/zjpas. | **ISSN: 2218-0230****Vol. 16,** **No. 3.** | **2004** |
| **ANN Based Load Balancing & Reactive Power Control by using Static VAR Compensation** | **IJCEE (International Journal)** | [10.17706/IJCEE](http://dx.doi.org/10.17706/IJCEE) | ISSN:**1793-8163****Vol. 1,****No. 1, ID. E373** | **April 2009** |
| **Thyristor Firing Angle Estimator for Reactive Power Control by Using ANN** | **Zanco Journal of Pure and Applied Sciences/ University of Salahaddin**  | 10.21271/zjpas. | **ISSN: 2218-0230****Vol. 21, No. 5.** | **Dec. 2009** |
| **Design of High Efficiency DC-DC Converter for Photovoltaic Solar Home Applications** | **David Publishing Company / Journal of Energy and Power Engineering, USA** | [http://www.davidpublisher.com/Home/Journal/JEPE](https://www.davidpublisher.com/Home/Journal/JEPE) | **ISSN: 1934-8975 Vol. 4, No. 11** | **Nov. 2010** |
| **Total Harmonic Reduction of Wound Rotor Induction Motor (WRIM) Chopper Resistance Control Using Three Phase Boost Rectifier in Rotor Circuit** | **Zanco Journal of Pure and Applied Sciences/ University of Salahaddin**  | 10.21271/zjpas. | **ISSN: 2218-0230****Vol. 22, No. 3.** |  **2010** |
| **ANN-Based: Wound Rotor Induction Motor (WRIM) Speed Control and Harmonic Analysis of Rotor Chopper Resistance** | **Journal of Engineering and Development / College of Engineering,** **Al-Mustansyriah University, Baghdad, Iraq.** | <https://jeasd.uomustansiriyah.edu.iq/index.php/jeasd> | **ISSN: 1813-7822****Part 2 Vol. 15, No. 2.** |  **Jun. 2011** |
| **Load Flow Analysis of Two Erbil Substations by Using Power World Simulator V15** |  **The 3rd International scientific conference of Salahaddin University-Erbil (SU-ERBIL2011**) |  | **S\_522 http:// su-erbil 2011.org** |  **Oct. 18-20- 2011** |
| **Voltage Stability Analysis and its Enhancement Using Static Shunt and Series Capacitors of KRPS** | **Zanco Journal of Pure and Applied Sciences/ University of Salahaddin**  | 10.21271/zjpas. | **ISSN: 2218-0230** **Vol. 25,****No. 2.** | **Jun 3-2013** |
| **ANN Based on Optimal Operation of Economic Load Dispatch in Power System** | **Zanco Journal of Pure and Applied Sciences/ University of Salahaddin**  | 10.21271/zjpas. | **ISSN: 2218-0230****Vol. 31,****No. 4, pp. 94-102** | **May 28 2019** |
| **Development of the methods of calculation of the electrical installations working operation in case of quality supply disturbance** | **Sulaimania Journal for Engineering Sciences**  | [university of Sulaimania](https://www.iasj.net/iasj/publisher/98) | **ISSN**:**2410-1699****Vol. 7 No. 4**  | **27/8/2020** |
| [**Modeling Features of a Single Phase-to-Earth Fault in a Medium Voltage Overhead Transmission Line**](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XlT-FSUAAAAJ&citation_for_view=XlT-FSUAAAAJ:YsMSGLbcyi4C) | **University of Kurdistan Hawler Journal of Science and Engineering**  | [10.25079/issn.2520-7792](https://dx.doi.org/10.25079/issn.2520-7792) | **ISSN**:**2520-7792****Vol. 4, No. 2,****pp. 127-138** | **17/10/2020** |
| [**Power quality improvement of distribution systems asymmetry caused by power disturbances based on particle swarm optimization-artificial neural network**](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XlT-FSUAAAAJ&citation_for_view=XlT-FSUAAAAJ:eQOLeE2rZwMC) | **Indonesian Journal of Electrical Engineering and Computer Science** | 10.11591/ijeecs.v25.i2.pp666-679 | **ISSN: 2502-4752****Vol. 25, No. 2,** | **Feb. 2022** |

**Conferences and courses attended**

* Give details of any conferences you have attended, and those at which you have presented delivered poster presentations.

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| **Name of course and conferences attended** | **Duration** | **Place** |
| **Computer Science / SML Language and Principle of Linux System** | **2 Month, July 2002** | **College of Science / University of Salahaddin** |
| **Networking System** | **2 Weeks, July 2003** | **College of Engineering / University of Salahaddin** |
| **Computer Science / AutoCAD Programming** | **1 Month, Nov. 2004** | **College of Engineering / University of Salahaddin** |
| **Renewable Energy & PLC** | **Aug. 6-9 2010**  | **College of Engineering / University of Salahaddin** |
| **Torque Pulsation Reduction of Slip Ring Induction Motor Speed Control by Stator Chopper Resistance**  | **Dec. 9-13 2006** | **Conference on Scientific Research Outlook & Technology (SRO4), No. 586, Damascus, Syria.**  |
| **Load Flow Analysis of Two Erbil Substations by Using Power World Simulator V15** |  **Oct. 18-20- 2011** |  **S\_522 http:// su-erbil 2011.org** **The 3rd International scientific conference of Salahaddin University-Erbil, Iraq (SU-ERBIL2011**)  |

**Funding and academic awards**

* travel grants to Antalya-Turkey to attend a scientific conference apmas2012 with scientific research funded by the Kurdistan Regional Government.

**Professional memberships**

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| **Scientific and Academic committees partaken** |
| **1-Kurdistan Engineering Union** | **4-** |
| **2-Iraqi Engineering Union** | **5-** |
| **3-Cultural & Social Centre, Arbil, Iraq** | **7-** |

**Professional Social Network Accounts:**

* <https://academics.su.edu.krd/ismael.saeed>
* <https://www.researchgate.net/profile/Ismael_Saeed2/stats>
* <https://www.linkedin.com/feed/>
* <https://scholar.google.com/citations?hl=en&user=XlT-FSUAAAAJ>
* <https://orcid.org/0000-0001-6640-1120>
* <https://www.academia.edu/portfolio_creation_preview?is_from_completing_plf_first_time=true&provided_picture=6>
* <https://aboutme.google.com/u/0/>
* <http://moodle.su.edu.krd/engineering/user/profile.php?id=1116>