**Curriculum vita السيرة الذاتية**

**الدكتور المهندس نصرالله سلمان خلف**

**دكتوراه في شبكات القدرة الكهربائية**

**ماجستير هندسة القدرة الكهربائية**

**بكلوريوس هندسة كهربائية**

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| **Full Name:**  | **Nesrallh Salman**  |
| **Degree:**  | **Lecturer, PhD** |
| **Profession:**  | **Electrical Engineer** |
| **Address:**  | **Iraq – Diyala – Baquba** |
| **Email (personal):**  | **nesrullahsalman@yahoo.com** |
| **Email (official):**  | **nesrullahsalman @uodiyala.edu.iq** |
| **Email (office):**  | **power.eng@engineering.uodiyala.edu.iq** |
| **Place and Date of Birth:**  | **Iraq – Diyala 1960** |
| **Nationality:**  | **Iraqi** |
| **Marital status:**  | **Married** |

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| **Academic Qualification:** |
| **PhD in Electrical Engineering, Artificial intelligent, optimization techniques applications in power systems, UKM University, Malaysia 2012.****Thesis; *Optimal Network Reconfiguration And DSTATCOM Placement For Voltage Sag Mitigation Using Gravitational Search Algorithm.*** |
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| **Master Degree in electric power systems- certified by University of Technology/ Baghdad / Iraq, 1999.****Thesis Titled: *The Effect of Induction Heating Loads on Ripple Control System Operation*;** [**http://www.uotechnology.edu.iq/dep-eee/index.htm**](http://www.uotechnology.edu.iq/dep-eee/index.htm) |
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| **BSC in Electrical Engineering; certified by Salahdin University- Baghdad, Iraq, 1983.** |

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| **Research Experience** |
| **Electrical Engineering, Distribution system Design and operation, Power Quality, Artificial Intelligence & Optimization Applications in Power Systems.** |

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| **Teaching Experience** |
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| **Electrical Engineering Fundamentals, College of Engineering, Diyala University.**  |
| **Electrical Power Engineering, College of Engineering, Diyala University.** |
| **Power System Analysis, College of Engineering, Diyala University.** |
| **Electrical Design, College of Engineering, Diyala University.** |
| **Electric Power Distribution, College of Engineering, Diyala University.** |

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| **Positions in Work & Skills:** | **Period** |
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| **Head of Dep. of Electrical Power & Machine Engineering, College of Engineering, Diyala University.** | **2012 to Present** |
| **Deputy Dean, College of Engineering, Diyala University.** | **2004 to 2008** |
| **Head of Dep. of Computer and Information Technology Engineering, College of Engineering, Diyala University.** | **2006-2007** |
| **Member of Engineering College Board.**  | **2004-2008** |
| **Coordinator of Electrical Power & Machine Engineering Dep. / Engineering College / Diyala University.**  | **2004-2008** |
| **Electrical Engineer as a site engineer in Engineering Division of Diyala *Municipalities Directorate, Diyala Governorate***  | **1986 - 1990** |
| **Director of Asphalt Plants Division in Baquba *Municipality Directorate, Diyala Governorate***  | **1990-1993** |
| **Electrical Engineer in private firm, Executing Different Electrical Engineering works and contracts such as:*** **industrial plants installation, maintenance and development.**
* **industrial plants weighing calibration.**
* **Reconstruction of the infrastructures for many destroyed asphalt, aggregate crusher and concrete plants.**
* **Operation and producing contracts of asphalt plants for roads construction.**
 | **1993-2003** |

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| **LIST OF PUBLISHED RESEARCH PAPERS** <http://www.scopus.com/authid/detail.url?authorId=36070073400> |
| 1. **INTERNATIONAL CONFERENCE:**
 |
| Salman, N., Mohamed, A. and Shareef, H. 2011. Voltage sag mitigation in distribution systems by using genetically optimized switching actions. Proceedings of IEEE International Power Engineering and Optimization Conference (PEOCO), 2011 5th International, pp. 329-334.<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=5970398> |
| Salman, N., Mohammed, A. and Shareef, H. 2009. Reinforcement of power distribution network against voltage sags using graph theory. *Proceedings of Research and Development (SCOReD), 2009 IEEE Student Conference on*, pp. 341-344. <http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5443004&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D5443004> |
| Salman, N., Mohammed, A. and Shareef, H. 2010. Practical Mitigation of Voltage Sag in Distribution Networks by Combining Network Reconfiguration and DSTATCOM. *Proceedings of 2010 IEEE International Power and Energy* . *Conference (PECON)*, pp. 264-269. <http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5697588&url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel5%2F5684398%2F5697536%2F05697588.pdf%3Farnumber%3D5697588> |
| Salman, N., Mohamed, A. and Shareef, H. 2009. Voltage Sag Mitigation Using Network Reconfiguration on a Practical Test Distribution System. *Proceedings of Engineering Postgraduate Conference 2009 (EPC 2009)*. |

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| 1. **Publication in international scientific journals**
 |
| Salman, N., Mohamed, A. and Shareef, H. 2011. Voltage Sag Mitigation by Combining Optimal Network Reconfiguration and DSTATCOM Placement Using Gravitational Search Algorithm. *International Review of Electrical Engineering (IREE)* Vol. 6( N. 5): 2502-2512. **(Impact Factor = 2.44)**[http://www.praiseworthyprize.com/IREE-latest/IREE\_vol\_6\_n\_5.html](http://www.praiseworthyprize.com/IREE-latest/IREE_vol_6_n_5.html%20#Voltage_Sag_Mitigation_by_Combining_Optimal_Network_Reconfiguration_and_DSTATCOM_Placement_Using_Gravitational_Search_Algorithm) |
| Salman, N., Mohamed, A., Shareef, H. and Ghoshal, S. P. 2011. Optimal Network Reconfiguration for Voltage Sag Mitigation in Distribution Systems Using Improved Genetic Algorithm. *International Review of Electrical Engineering (IREE)*  6(N. 3): 1356-1364. **(Impact Factor =2.44)**[**http://www.praiseworthyprize.com/IREE-latest/IREE\_vol\_6\_n\_3.html#Part\_B**](http://www.praiseworthyprize.com/IREE-latest/IREE_vol_6_n_3.html#Part_B) |
| Salman, N., Mohamed, A. and Shareef, H. 2012. Reliability Improvement in Distribution Systems by Optimal Placement of DSTATCOM Using Binary Gravitational Search Algorithm. *PRZEGLĄD ELEKTROTECHNICZNY (Electrical Review)* R. 88 (NR 2): 295-299. **(Impact Factor = 0.25)**  [**http://pe.org.pl/articles/2012/2/71.pdf**](http://pe.org.pl/articles/2012/2/71.pdf) |

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| 1. **Publication in local scientific journals**
 |
| Abdullatif, A. I, Al\_Shaikhli, A. K, Salman, N. 2001. The Effect of Induction Heating Loads onRipple Control System Operation. Eng. Technology Journal, Vol. 20( N. 4): 64-79. |
| Balasim Husain, Salman, N. 2011. Using Network Reconfiguration as a tool for Mitigating Voltage Sags in Practical Distribution Systems. Diyala Eng. Journal,Vol.5  |

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| **D- Chapter in Edited Book:** |
| Salman, N., Mohamed, A. and Shareef, H. 2010. Voltage Sag Mitigation by Network Reconfiguration. In. A. F. Zobba. (ed.). edition. *Power Quality,Monetoring, Analysis and Enhancement,* pp. 325-344. Janeza, Croatia: InTech. <http://www.intechopen.com/books/power-quality-monitoring-analysis-and-enhancement/voltage-sag-mitigation-by-network-reconfiguration> |

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|  **AWARDS AND INTELLECTUAL PROPERTY**  |
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| **PROFESSIONAL ASSOCIATION MEMBERSHIPS** |
| **Member of Power research group UKM University, Malaysia.** |
| **Member of IEEE, Institute Electrical, Electronic Engineers**  |
| **Member of Iraqi Engineers Union (Consulting Degree)** |

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| **REVIEWER FOR THE INTERNATIONAL JOURNALS:** |
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| **MANAGEMENT OF CONSTRUCTION PROJECT AND ENGINEERING CONSULTATIONS** |
| 1. **Project Executing Engineer for Ministry of Municipalities and Diyala governorate Projects :**
 |
| 1. **Maintenance of asphalt plants, concrete plants, stand bye generators and aggregate crushing plants (for the period of 1986-1989).**
* **Baqubah Municipality plants site**
* **Muqdadyah Municipality plants site**
* **Khalis Municipality plants site**
* **Baladros Municipality plants site**
* **Khanaqeen Municipality plants site**
 |
| 1. **Dismantling, Transporting, Re-installation, calibration and operation of many industrial plants such as asphalt and aggregate crushing plants for roads construction of big public and famous works such as:**
* **Basrah and Faw cities reconstruction after war**
* **New Nahrawan city roads construction project**
* **Fallojah city roads reconstruction**

**The site arrangement, project management and material producing operation directing are included in those works. (1989- 1990)** |
| 1. **Director of Asphalt Plants Division in Diyala *Municipalities Directorate, Diyala Governorate* (1991- 1993)**
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| 1. **Electrical Engineer in private firm, Executing Different Electrical Engineering works and contracts: (1993-2003), where some of them can be listed such as:**
 |
| 1. **Reconstruction of Ramadi municipality asphalt plant**
 |
| 1. **Maintenance, producing operation management of Fallojah municipality asphalt plants**
 |
| 1. **Maintenance of Rutbah municipality asphalt plant.**
 |
| 1. **Overall Reconstruction of Hindiyah municipality asphalt plant.**
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| 1. **Overall Reconstruction of Karbalaa municipality asphalt plant.**
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| 1. **Reconstruction of Najaf municipality asphalt plants.**
 |
| 1. **Maintenance of Sowerah municipality asphalt plant.**
 |
| 1. **Re-installation of Hilla municipality asphalt plant.**
 |
| 1. **Maintenance of Rumaitha municipality asphalt plant.**
 |
| 1. **Maintenance, producing operation management of Alwafaa Company (private) asphalt and aggregate crushing plants**
 |
| 1. **Maintenance and calibration of Hamorabi pre-coast building plant.**
 |
| 1. **Consultations within Engineering Consulting Bureau Diyala University: (2000-2012)**

**Member of designing and Consulting team for the projects:** |
| 1. **Engineering Laboratory Building.**
 |
| 1. **Medicine College buildings**
 |
| 1. **University Town ( 60 Houses)**
 |
| 1. **Infrastructure for Diyala University ( Electrical- water network- waste water network- communication network )**
 |
| 1. **Cultural Center Building for Diyala University.**
 |
| 1. **Chief of electrical design in consultant bureau.**
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