

Curriculum Vitae – Academic
Assistant Professor Dr. Khalaf Salloum Gaeid Alshammery

Web of Science Researcher ID G-2784-2015
ORCID 0000-0002-8943-3034



1. Personal Information

- **Name: Khalaf Salloum Gaeid**
- **Born :Muthana,1969**
- **Address: Iraq, Salahdin Province.**
- **Email:gaeidkhalaf@gmail.com & khalafgaeid@tu.edu.iq**
- **Nationality: Iraq**

2. Objective:

Lecturer in Control System and Electrical Networks

3. Education:

Ph.D. from University of Malaya Malaysia,26/7/2012 Control System and Machine Drive Dissertation: Wavelet based fault tolerant control of induction motors

**M.Sc. Electrical Engineering, University at Technology, Iraq,(11-12-2003)
Control System Thesis: Application of a hybrid (Neural+ Expert) for Fault Diagnosis**

B.Sc. Electrical and Electronics Engineering/Control Application of microprocessor for control purposes (11-7-1993)

4. Experience:

**Lecturer, 2005 – Till Now-University of Tikrit - Iraq
Course:**

- **Control Systems in the Classroom**
- **Electrical Network in Classroom**
- **Induction Machines in Classroom**
- **Wavelet in the classroom for Master student of UM**
- **Digital control in classroom**
- **Adaptive control in classroom**
- **Intelligent control in classroom**

Teaching Assistant, 2003–2005-University at Technology-Iraq
Courses: Control Lab.

5. **Research Skills:**

Matlab/Simulink Programming, Scientific Researcher.

6. **Reviewer**

Acting as a reviewer in the following journals:

- Neurocomputing (Elsevier)
- Scientific research and assays journal
- International journal of physical sciences journal
- Techposs IEEE conference(2009)
- Tikrit University Engineering journal(Editorial board 2013-2015, 2019)
- Physical Review & Research International
- Measurements Journal
- Transactions of measurements and control journal

7. **Presentations:**

- Khalaf Salloum (2011). Fault Tolerant Control of Induction Motor .University of Malaya/Malaysia.
- Khalaf Salloum (2011). Introduction to Wavelet, University of Malaya/Malaysia
- Khalaf Salloum (2009).Indirect Vector Control of Induction Motor/ITB /Indonesia
- Khalaf Salloum (2012).fault tolerant control of IM with wavelet index /Jilin University /China
- Association of Arab Universities, Jordan, 2014.
- ICEMAS, Turkey 2018.

8. **Publications:**

	TITLE	CITED BY	YEAR
<input type="checkbox"/>	Multilevel Inverter Fault-Tolerant Control with Wavelet Index in Induction Motor AJL Khalaf S. Gaeid, Rami A. Maher Journal of Electrical Engineering & Technology(Springer) 14 (3), 1179–1191		2019
<input type="checkbox"/>	Design and analysis of Robot PID controller using Digital signal Processing Techniques TQA Mshari A. Asker ,Khalaf S. Gaeid, Nada N. Tawfeeq, Humam K. Zain ,Ali I ... International Journal of Engineering & Technology 7 (4.37), 103-109		2018
<input type="checkbox"/>	Computer Simulation of PMSM Motor with Five Phase Inverter Control using Signal Processing Techniques SRM Khalaf S. Gaeid,Mshari Aead Asker,Nada N Tawfeeq International Journal of Electrical and Computer Engineering (IJECE) 8 (5 ...		2018
<input type="checkbox"/>	Wireless Network Control System for Electrostatic Precipitator in Cement Plant ARA Mehdi J. Marie,Khalaf S. Gaied Al-Khawarizmi Engineering Journal 13 (4), 50-57		2018
<input type="checkbox"/>	Performance Prediction for a Forced Convection in a Equilateral Triangular Channel based on Intelligent Control MSM Tahseen A Tahseen, Khalaf S.Gaeid , Ahmed R.Ajel The First International Conference for Engineering Researches/Iraq, 37-47		2017
<input type="checkbox"/>	Nonlinear Compensation Empyoing Matrix Converter with DTC Controller MJM Khalaf S. Gaied, Ziad H. Salih, Ahmed R. Ajel International Journal of Electrical and Computer Engineering 7 (1), 107-124	3*	2017
<input type="checkbox"/>	Unified Power Quality Conditioner Model Based with Series and Shunt Filters MT Khalaf S Gaeid , Hamood International Journal of Power Electronics and Drive Systems (IJPEDS) 7 (3 ...	2*	2016
<input type="checkbox"/>	Direct Torque Control of Induction Motor with Martrix Converter ZHS Khalaf Salloum Gaeid,Asim Majeed journal of Engineering Science and Technology Review(JESTR) 9 (2), 50-58		2016
<input type="checkbox"/>	Sliding Mode Control of Induction Motor with Vector Control in Field Weakening KSGAS Ziad Hussein Salih Modern Applied Science journal 9 (2), 286 -299	12*	2015
<input type="checkbox"/>	Classical Control Theory yousif al mashhadany & Khalaf Gaeid Book(978-3-659-59708-4), 404		2014
<input type="checkbox"/>	Wavelet-based prognosis for fault-tolerant control of induction motor with stator and speed sensor faults S Gaeid Transactions of the Institute of Measurement and Control, 1-14	15	2014

<input type="checkbox"/>	New vector radix algorithm for computing two dimensional discrete Hartley transform Hamood Mounir T, Gaeid Khalaf S, Ali Sufian H 22nd Mediterranean Conference of Control and Automation (MED14), 1026-1030		2014
<input type="checkbox"/>	Adaptive Fuzzy Sliding-Mode Control into Chattering-Free IM Drive A Saghafinia, HW Ping, MN Uddin, KS Gaeid IEEE Transactions on Industry Applications, 1-8	100	2014
<input type="checkbox"/>	Optimal Gain Kalman Filter design with DC motor speed controlled Parameters K Gaeid journal of asian scientific research 3 (12), 1157-1172	4	2013
<input type="checkbox"/>	Agrees and Disagrees of Mechanical and Electrical Faults Diagnosis of the IM Techniques: A Review KS Gaeid, AM Bash, AJ Abbas, JA Hameed International Journal of Engineering and Innovative Technology (IJEIT) 3 (2 ...		2013
<input type="checkbox"/>	DTC Controller Design for IM with Wavelet Noise Reduction K Gaeid European Journal of Scientific Research 101 (4), 546-556	2	2013
<input type="checkbox"/>	Static DC Motor Speed Controlled Parameters Correction MKH Khalaf S. Gaeid, amal A. Hameed, M. Hameed Ali British Journal of Applied Science & Technology 3 (3), 586-597	2	2013
<input type="checkbox"/>	Space vector Modulation for V/f Induction Motor Control K Gaeid Wulfenia 20 (3), 166-178		2013
<input type="checkbox"/>	Detection of induction motor faults using direct wavelet transform technique HW Ping, KS Gaeid 2012 15th International Conference on Electrical Machines and Systems (ICEMS ...	8	2012
<input type="checkbox"/>	Survey of wavelet fault diagnosis and tolerant of induction machines with case study KS Gaeid, HW Ping, MK Masood, L Szabo International Review of Electrical Engineering (IREE) 7 (3), 4437-4457	17	2012
<input type="checkbox"/>	Sliding-Mode Control Approach for Robust Induction Motor Drive G K. S Saghafinia, W. P. Hew proceeding of: IEEE Applied Power Electronics Colloquium (IAPEC), 1-7		2012
<input type="checkbox"/>	Fault tolerant control of induction motor through observer techniques II KS Gaeid, HW Ping, M Khalid, SM Herdan Scientific Research and Essays 7 (6), 679-692	2	2012
<input type="checkbox"/>	Sliding-Mode Control Approach for Robust Induction Motor drive A Saghafinia, HW Ping, KS Gaeid		2012
<input type="checkbox"/>	Wavelet Based Fault Tolerant Control of Induction Motor KS Gaeid Ph.D thesis in control and machine drive		2012

<input type="checkbox"/>	Modeling & Fault Diagnosis of IM by using Intelligent Control HWP YA Khalaf Salloum Gaeid Lap Publish		2012
<input type="checkbox"/>	Wavelet techniques for Induction Machines with Reconfigurable fault Tolerant Controller HWP Mustafa Khalid Khalaf Salloum Gaeid International conference Bahang University Malaysia, 1-6		2012
<input type="checkbox"/>	Sensor and sensorless fault tolerant control for induction motors using a wavelet index KS Gaeid, HW Ping, M Khalid, A Masaoud Sensors 12 (4), 4031-4050	30	2012
<input type="checkbox"/>	Adaptive Fuzzy Sliding-Mode Control into Chattering-Free Induction Motor Drive G KS Saghafinia, W. P. Hew, Nasir Uddin IEEE IAS Annual Meeting, 1-8	15*	2012
<input type="checkbox"/>	Induction motor fault tolerant control with wavelet indicator KS Gaeid, HW Ping, MK Masood, A Saghafinia Proceedings 2011 International Conference on Transportation, Mechanical, and ...	5	2011
<input type="checkbox"/>	Fault tolerant control of induction motor KS Gaeid, HW Ping Modern Applied Science 5 (4), 83	36	2011
<input type="checkbox"/>	Wavelet fault diagnosis and tolerant of induction motor: A review KS Gaeid, HW Ping International Journal of Physical Sciences 6 (3), 358-376	51	2011
<input type="checkbox"/>	Wavelet Fault Diagnosis of Induction Motor, MATLAB for Engineers-Applications in Control KS Gaeid, HW HewWooi Ping Electrical Engineering, IT and Robotics, InTechOpen	9	2011
<input type="checkbox"/>	Wavelet Fault Diagnosis of Induction Motor HWPKS Gaeid (MATLAB for Engineers - Applications in Control, Electrical Engineering, IT ...	4	2011
<input type="checkbox"/>	Fault diagnosis of induction motor using MCSA and FFT KS Gaeid, HW Ping, M Khalid, AL Salih Electrical and Electronic Engineering 1 (2), 85-92	29	2011
<input type="checkbox"/>	Condition Monitoring and Protection of Induction Motor using Wavelet Indicator HWP Khalaf Salloum Gaeid International journal of Electrical Engineering 4, 787-806		2011
<input type="checkbox"/>	Induction motor fault detection and isolation through unknown input observer KS Gaeid, HW Ping Scientific Research and Essays 5 (20), 3152-3159	12	2010
<input type="checkbox"/>	Modelling and PID controller design for a quadrotor unmanned air vehicle AL Salih, M Moghavvemi, HAF Mohamed, KS Gaeid	193	2010

	2010 IEEE International Conference on Automation, Quality and Testing ...		
<input type="checkbox"/>	Diagnosis and Fault Tolerant Control of the Induction Motors Techniques a Review HWP Khalaf Salloum Gaeid , Haider A.F.Mohamed Australian Journal of Basic and Applied Sciences 4 (2), 227-246	52	2010
<input type="checkbox"/>	Modeling and Control of the Saturation's Transformer IK Salih, KS Gaeid, AJ Abbas Tikrit Journal of Engineering Sciences 17 (1), 16-27	1	2010
<input type="checkbox"/>	Flight PID controller design for a UAV quadrotor KSG AL Salih, M Moghavvemi, HAF Mohamed Scientific Research and Essays 5 (23), 3660-3667	207*	2010
<input type="checkbox"/>	Simulink representation of induction motor reference frames KS Gaeid, HW Ping, HAF Mohamed 2009 International Conference for Technical Postgraduates (TECHPOS), 1-4	9	2009
<input type="checkbox"/>	Indirect vector control of a variable frequency induction motor drive (VCIMD) KS Gaeid, HW Ping, HAF Mohamed International Conference on Instrumentation, Communication, Information ...	13	2009
<input type="checkbox"/>	NNPID Controller for Induction Motors with Faults KS Gaeid, HAF Mohamed, HW Ping, LH Hassan University of Malaya& University of Nottingham Malaysia Campus, The 2 nd ...	1	2009

9. Awards and Honors:

- Excellent Grade for Best Lecturers 2005, University of Tikrit -Iraq
- Excellent Grade for Best Lecturers 2006, University of Tikrit -Iraq
- Excellent Grade for Best Lecturers 2007, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2012, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2013, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2014, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2015, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2016, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2017, University of Tikrit –Iraq
- Excellent Grade for Best Lecturers 2018, University of Tikrit –Iraq
- Top 20 excellent research paper around the world (No.1) in the field of fault tolerant control and machine drive (2012), according to BIOMEDLIB center.
- One of the most valuable researchers around the world 2014 &2015 according to Marquis.
- Top 100 Engineers according to (International biographic center, IBC, Cambridge, UK), 2015.
- Top 3% around the world in the scientific research according to Marquise, 2018 and 2019.
- Nominated as the Man of year in the Engineering 2018.

- The paper” Direct Torque Control of Induction Motor with Matrix Converter” wins the World champion 2018.

10. Skills and Qualifications:

- Microsoft Office, Internet
- Programming ability in Matlab Software
- Control designer
- Simulation and modeling with Simulink

11. Academic Positions:

- Director of computer center 2013-2014
- Control and computer department head 2014-2015

12. Google Scholar Account

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

13. Research gate Account

https://www.researchgate.net/profile/Khalaf_Gaeid4

14. Publons Account

<https://publons.com/researcher/1219109/dr-khalaf-s-gaeid/>

