

CURRICULUM VITAE

Asst. Prof. Dr. Abdussalam Ali Ahmed

PERSONAL DETAILS

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Career Objective

To attain a rewarding research in the fields of mechanical engineering and mechatronic engineering by working with a pool of talented resources in an Organization that provides

opportunities for learning and development and providing my best of abilities for organizational growth.

Education

Degree	Department	University	Year
Bachelor	Mechanical Engineering	Tripoli University, Tripoli / Libya	2002
Master	Mechanical Engineering	Tripoli University, Tripoli / Libya	2005
Ph.D.	Mechatronic Engineering	Okan University, Istanbul / Turkey	2017

Professional Experience

1. Worked as Lecturer in mechanical and industrial engineering department, 7th October University from (07-2007)-(08-2009).
2. Worked as Head of Department in mechanical and industrial Engineering Department ,7th October University , Bani-Waleed Libya from (09-2009 to 03-2012).
3. Worked as Supervisor for seven Graduation Projects In the higher Institute of Engineering in period (fall 2007 – fall 2011), Bani-Waleed / Libya.
4. Overhead supervisor of nine graduation projects in the higher institute for heavy vehicles and equipment in period (spring 2005 to spring 2011). Bani-Waleed /Libya
5. Presently working as Head of Department in mechanical and industrial Engineering Department, Bani-Waleed University, Bani-Waleed/Libya.
6. Member of the Advisory Committee at the Engineering & Information Technology Research Center in Bani Walid.
7. Member of Renewable Energy Society of India 2020 to present.

Area Of Expertise

1. Mechatronics
2. Mechanical Engineering
3. Solar Energy
4. Vehicle Dynamics and control
5. Manufacturing Technologies

Undergraduate Courses Given In The Last 15 Years

Engineering mechanics	Heat transfer	Production engineering	Strength of Materials
Mechanical vibrations	CNC machines	Experimental Methods in Mechanical Engineering	Theory of Machines
Machine Design	Engineering Measurements	Automatic Control	Mechanics of Machines
Internal Combustion Engines	Power Plant Engineering	Solar energy	Technical Writing
Introduction to Simulation Methods	Environmental Science and Sustainability	Computer-Aided Design (CAD)	Computer-aided manufacturing

Workshops and Training Programs

1. Free space optical communications for 5G and beyond.
2. Importance of high-performance remote access in engineering
3. Electronic conference management using the EDAS system
4. Introduction to CAD/CAM/CAE
5. Climate crises, biodiversity loss: how effective are the global treaties
6. Fundamentals of Risk Based Inspection Program
7. Fundamentals of Environmental Impact Assessments (EIAs)
8. The WESET Tunisia workshop on wind energy
9. 36 hours training in solar energy business.
10. Training program on Recent advances in hybrid and electric vehicle technologies (16-21, November 2020).
11. IEEE training program on industrial automation (Nov 21, 2020).
12. Introduction to operations research in engineering (22-11-2020).
13. IEEE workshop on Socio-Economic aspects of drone technology (Dec 13, 2020),

14. Training program on advanced technologies in automotive system ATAS'21 (04-06, Jan 2021).
15. IEEE workshop on distributed system and its modern applications (Jan 25, 2021).
16. PWM converters for renewable energy sources (May 01, 2021).
17. Biped Robot and its control (03rd of May 2021),
18. Selenium Framework for Automation Testing (8th May 2021).
19. Introduction to automation testing tools (March 13, 2021).
20. Renewable energy: Smart micro-grids (May 15, 2021).
21. Workshop on Automation of Construction Process using 3D Printing (May 21, 2021).
22. 3D Printing in Construction: Building the Home of the Future (May 21, 2021).
23. "Energy Swaraj: The Essence of Sustainability (18th May 2021).
24. Complexity and Excitement of Aerospace Control" held on 18/06/2021.
25. Converting Heat into Electricity from Semiconductor (26-06-2021).
26. "Control Systems in Robotics: Theory and Applications" (08th July 2021),
27. Career Opportunities in EV Industry (12/07/2021).
28. Training Program on "NEED FOR NUCLEAR ENERGY" (29.07.2021).
29. Recent Developments in Artificial Intelligence and their Impact on Religion and Society. 18th September 2021.
30. Current Trends in IT on 24.09.2021.
31. Applications of ICT Tools in Education" organized by the IQAC on 25th September 2021.
32. "Sustainable and Smart Villages" on 6th -October 2021.
33. Future scope of neural networks and image processing, 25th-October 2021.
34. Workshop on Python Programming organized by the Department of Computer Science, Dr.M.G.R.Educational and Research Institute, Tamilnadu, India on 08.11.2021.
35. Entrepreneurship and Innovation as Career Opportunity: jointly organized by the Faculty of Humanities and Science & Office of International Relations,

Dr.M.G.R.Educational and Research Institute,Chennai-600095,Tamilnadu,India on 25.11.2021.

36. The Keys of scientific research: analysis, explanation and interpretation, On 07 January 2022 Duration: Two Hours Presented by: Prof.Dr. Mohammad Alshanty, Jordan.
37. Participated in the Extramural Lecture Series NT-004 “Research Aspects and Role of Engineers in Ocean Data Collection” conducted on 19.12.2021 by Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam 626117.
38. The social security system in Islam Held via the online Platform - Zoom Application On 20 January, 2022, duration: Two Hours.
39. Researcher Culture and Knowledge Priorities, Held via the online Platform - Zoom Application on 4 February, 2022, duration: Two hours, Presented by: Prof. Dr. Mohammed Al Shanty, Jordan.
40. “Nanomaterials and its Characterization Techniques“ organized by the Department of Physics, St. Joseph University, Nagaland on 07-02-2022.
41. Introduction to Artificial Neural Network, on 8th Feb 2022 conducted by Department of Electrical and Electronics Engineering, Christ The King Engineering College, Coimbatore.
42. “Electrification of Vehicles – Challenges & Solutions”, jointly organized by Department of EEE, Faculty of Engineering & Technology, Jain(Deemed-to-be University) & IEEE PELS Bangalore Chapter on 14 April 2022.
43. “Mathematics of Computer Vision” held on April 28, 2022 organized by Department of Mathematics and Humanities, M. M. (Deemed to be University), Mullana-Ambala, India.

44. One day online Workshop on “3D Modeling Using Sketchup” organized by Department of Civil Engineering, Brahma Valley College of Engineering & Research Institute, Anjaneri, Nashik, on 6 May 2022.

Reviewer and editor

National and international journals

1. Bani Waleed University Journal of Sciences and Humanities
2. International Academy of Engineers (IA-E)
3. Journal of Applied Research in Mechanical Engineering.
4. Advances in Science, Technology and Engineering Systems Journal.
5. Pacific International Journal "PIJ" (E-ISSN 2616-4825 & P-ISSN 2663-8991).
6. International Journal of Engineering & Information Technology (IJEIT)
7. Reviewer of the researchers participating in the “Garyan city Prize for Scientific Excellence” competition for the year 2021.
8. Journal of Engineering Research and Sciences (JENRS)

National and international conferences

1. The 3rd conference for postgraduate studies (25 April 2019) – Libya
2. The 4th conference for postgraduate studies (29 June 2020) – Libya
3. The 3rd international conference on science and technology (2nd – 3rd) September 2020) - Libya.
4. Scientific committee member in the 4th International Conference on Innovative Studies of Contemporary Sciences. July 29-31, 2021, Tokyo, Japan.
5. Scientific committee member in the 4th international European conference on interdisciplinary scientific research, August 8-9, 2021, Warsaw, Poland.
6. Umteb International Congress On Vocational & Technical Sciences-XI, September 3-5, 2021m Ankara, Turkey.
7. MAS 15th International European Conference on Mathematics, Engineering, Natural & Medical Sciences, September 7-8, 2021, Adana, Turkey.
8. The 4th international conference on science and technology, September 15 – 16, 2021, Sabha, Libya.
9. Head of Organizing Committee in the 4th international African conference on current studies, October 20-22, 2021, Bani Waleed University, Libya.
10. Head of the 5th International African Conference on current studies, February 2-5, 2022 Cairo, Egypt

Publications

International Refereed Journal Publications

- [1] **Abdussalam Ali Ahmed** and Başar Özkan, “Evaluation Of Effect Of In-Wheel Electric Motors Mass On The Active Suspension System Performance Using Linear Quadratic Regulator Control Method”, *International Journal of Engineering Research & Technology (IJERT)*, Vol. 4 Issue 01, January-2015.
- [2] **Abdussalam Ali Ahmed** and Başar Özkan, “Analysis of effect of in-wheel electric motors mass on passive and active suspension systems”, *ARPJ Journal of Engineering and Applied Sciences*, Vol. 10, No. 14, August 2015.
- [4] Ebrahim Mustafa, Danardono Triyono, Agus Dwi Anggono and **Abdussalam Ali Ahmed**, “FINITE ELEMENT ANALYSIS AND OPTIMIZATION DESIGN OF ALUMINIUM AXIAL FAN BLADE”, *ARPJ Journal of Engineering and Applied Sciences*, Vol. 10, No. 16, September 2015.
- [5] Abubaker Abasalam A. Emheisen, **Abdussalam Ali Ahmed**, Nasr Ismael Alhusein, Abdurahim Alfadel Sakeb, Abdulhamid.S. Abdulhamid, “ Car Wheel slip Modelling, Simulation, And Control Using Quarter Car Model”, *International Journal of Engineering Trends and Technology (IJETT)*, Vol. 28, No. 06, October 2015.
- [6] **Abdussalam Ali Ahmed** and Başar Özkan, “Stability And Dynamic Control Of Four In-Wheel Motored Vehicle Using Fuzzy PID Controller”, *International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS*, Vol:16 No:03. June 2016.
- [7] **Abdussalam Ali Ahmed** and Başar Özkan, “Using of Fuzzy PID Controller to Improve Vehicle Stability for Planar Model and Full Vehicle Models”, *International Journal of Applied Engineering Research*, ISSN 0973-4562 Volume 12, Number 5 (2017) pp. 671-680.
- [8] Hamza Khalifa, **Abdussalam Ali Ahmed**, Ayiman Abusaadiyah, Aejeeliyah Yousuf, Salheen Grimida, “GAS CHROMATOGRAPHY- MASS SPECTROMETRY (GC-MS) IN ORGANIC GEOCHEMICAL INVESTIGATION OF CRUDE OILS FROM KIKINDA AND VELEBIT FIELDS IN SERBIA”, *International Journal of Research – GRANTHAALAYAH*, Vol.5 (Iss.6): June, 2017].
- [9] Almabrok Rahel Almakhtar Shakaf, Adel Ramadan Hussien Mohamed, **Abdussalam Ali Ahmed**, “Effect of Aerodynamic Drag Force Parameters on Electric Vehicle Motion Performance”, *World Wide Journal of Multidisciplinary Research and Development*, Volume 4, Issue 1 (2018) pp. 197-201.

[10] **Abdussalam Ali Ahmed**, Alaa R.H. Abunada, Vehicle Yaw Rate Control Based on Fuzzy PID Control Technology, *Journal of Advanced Research in Mechanical Engineering and Technology*, Volume 5, Issue 3&4 - 2018, Pg. No. 17-23.

[11] **Abdussalam Ali Ahmed**, Rafat S. A, Abumandil, Full Vehicle Suspension System with In-Wheel Electric Motors, *European Academic Research*, Vol. VII, Issue 1/ April 2019.

[12] Rafat S. A. Abumandil and **Abdussalam Ali Ahmed** " Effect of Some Heat Treatment Processes on the Mechanical Properties of Medium Carbon Steel" *American Journal of Engineering Research (AJER)*, vol.8, no.05, 2019, pp.304-310.

[13] **Abdussalam Ali Ahmed**, Renewable Energy Home Design in Bani Walid City/Libya, *Saudi Journal of Engineering and Technology (SJEAT)*, Vol. 4, Issue 9, September 2019.

[14] Mansour SO, **Ahmed AA**. Inhibitor Development for Cooling Water System Containing High Chloride Concentration. *J Adv Res Petrol Tech Mgmt* 2019; 5(3&4): 38-43.

[15] **Abdussalam Ali Ahmed**, Ali Musbah, and Abdelrazag Atiyah, 4D Printing Technology: A Revolution across Manufacturing. *International Journal of Mechanical and Industrial Technology*, Vol. 7, Issue 2, pp: (45-51), 2020.

[16] **Abdussalam Ali Ahmed**, Alforjani Ali Ahmed, Modeling and Control of a Single link Robot Arm Using PID Controller and a Neural Network-based Controller, *International journal for innovative research in multidisciplinary field*, Volume 6, Issue 3, 2020.

[17] **Abdussalam Ali Ahmed**, Hamza Khalifa, E-Learning and COVID-19 (A Six Important Advices for Teachers and Academic Teaching Staff), *European Academic Research*, Vol. 8, Issue 2/ May 2020.

[18] Abebe, B. A., Santhosh, J., **Ahmed, A. A.**, Murugan, P. and Ashok, N. (2020). Non-Linear Mathematical Modelling for Quarter Car Suspension Model. *International Journal on Emerging Technologies*, 11(5):536–544.

[19] **Abdussalam Ali Ahmed**, A.F. Saleh Alshandoli, "A Remote Tool to Detect a Helical Gear Tooth Breakage in a Downstream Machine," *Bani Waleed University Journal of Sciences & Humanities* Vol. 5, Issue 17, September 2020.

[20] Wiam Ali Ayad Omar, Ismael Elhasadi, Zaynab Ahmed Khalleefah, **and Abdussalam Ali Ahmed**, Conformal Mapping as a Tool in Solving Some Mathematical and Physical Problems, *European Academic Research* 8(10):5972-5990, 2021.

[21] **Abdussalam Ali Ahmed**, Omar Ahmed Mohamed Edbeib, Aisha Douma, and Ibrahim Imbayah Khalefah Imbayah, Electric vehicles revolution: The future, challenges, and prospects in the Arab countries, *Global Journal of Engineering and Technology Advances*, 2021,06(03),081-087,DOI:10.30574/gjeta.2021.6.3.0040.

[22] Abdussalam Ali Ahmed, Faraj Ahmed Elzarook Barood and Munir S. Khalifa, Vehicle yaw rate simulation and control based on single-track model, *World Journal of Advanced Research and Reviews*, 2021, 10(01), 019–029, Article DOI:10.30574/wjarr.2021.10.1.0127.

[23] **Abdussalam Ali Ahmed**, Quarter car model optimization of active suspension system using fuzzy PID and linear quadratic regulator controllers, *Global Journal of Engineering and Technology Advances*, 2021, 06(03), 088-097, DOI url: <https://doi.org/10.30574/gjeta.2021.6.3.0041>.

[24] Mohamed Mohamed Khaleel, Mohd Rafi Adzman, Samila Mat Zali, Mustafa Mohamed Graisa, and **Abdussalam Ali Ahmed**, "A Review of Fuel Cell to Distribution Network Interface Using D-FACTS: Technical Challenges and Interconnection Trends," *International Journal of Electrical and Electronic Engineering & Telecommunications*, Volume 10, No. 5, September 2021.

[25] Abdelhamid Farag Saleh, Abdussalam Ali Ahmed, "Instantaneous Power as a Tool to Detect a fault in a Downstream Machine," *Journal of Engineering Research and Applied Sciences (JERAS)*, 9th Edition, September 2021, (Hoon – Libya), ISSN 2414-6515.

[26] **Abdussalam Ali Ahmed**, Masood A. Masood, Amhimmid Q Almabrouk, Zayad M. Sheggaf, Mohamed Mohamed Khaleel & Mohamed Belrzaeg, "An Investigation Of The Effect Of The Hub Motor Weight On Vehicle Suspension And Passenger Comfort," *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, Vol. 11, Issue 5, Oct 2021, 51–64

[27] Mohamed Belrzaeg, **Abdussalam Ali Ahmed**, **Amhimmid Q Almabrouk**, Mohamed Mohamed Khaleel, Alforjani Ali Ahmed and Meshaal Almukhtar, "Vehicle dynamics and tire models: An overview," *World Journal of Advanced Research and Reviews*, 2021, 12(01), 331–348

[28] Ftema W. Aldbea, Subhiyah Aboulqasim Alameen, Carlos Vázquez Vázquez, A. Sharma, Mabrouk Kraini, **Abdussalam Ali Ahmed**, Pramod K. Singh, Structural analysis of silicon carbide prepared from two types of carbon sources, *Materials Today: Proceedings*, 2021, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.10.119>

[29] A. Alsharif, C. W. Tan, R. Ayop, A. A. Ahmed, A. Alanssari, and M. M. Khaleel, "Energy Management Strategy for Vehicle-to-Grid Technology Integration with Energy

Sources: Mini review," African Journal of Advanced Pure and Applied Sciences (AJAPAS), vol. 1, Issue 1, pp. 22-26, 2021.

[30] A. Alsharif, C. W. Tan, R. Ayop, A. A. Ahmed, and M. M. Khaleel, "Electric Vehicle Integration with Energy Sources: Problem and Solution Review," African Journal of Advanced Pure and Applied Sciences (AJAPAS), vol. 1, Issue 1, pp. 27-20, 2021.

[31] A. A. Ahmed, S. Alfitouri, N. Ali, and B. Alameen, "Internet of Things and its Applications to Progress the Industry of E-Learning," African Journal of Advanced Pure and Applied Sciences (AJAPAS), vol. 1, Issue 2, pp. 7-13, 2022.

[32] Aisha Douma, **Abdussalam Ali Ahmed**, Abdulgader Alsharif, Mohamed Belrzaeg, Application of Artificial Neural Networks Technology for Handwritten Arabic Letters Recognition, International Journal of Emerging Trends in Engineering Research, Volume 10. No.2, February 2022.

[33] Ibthaj Nasr Asmaeil, A. Albagul, **Abdussalam Ali Ahmed**, Currency Recognition system Using Image Processing: Libyan Banknote as a Case Study, International Journal of Emerging Trends in Engineering Research, Volume 10. No.2, February 2022.

[34] K. Kartika Riyanti, I. Kakaravada, and **A. A. Ahmed**, "An Automatic Load Detector Design to Determine the Strength of Pedestrian Bridges Using Load Cell Sensor Based on Arduino", *Indonesian Journal of Electronics, Electromedical Engineering, and Medical Informatics*, vol. 4, no. 1, pp. 15-22, Feb. 2022.

[35] **Abdussalam Ali Ahmed** | Mohamed Belrzaeg "General Overview and Forecasting of Factors Affecting the Use of Electric Vehicles" Published in International Journal of Trend in Scientific Research and Development (ijtsrd), ISSN: 2456-6470, Volume-6 | Issue-2, February 2022, URL: <https://www.ijtsrd.com/papers/ijtsrd49405.pdf>

[36] Fareg Saeid Ali, Aimen M Albakoush, Ali A Musbah, **Abdussalam Ali Ahmed**, Analysis of Residual stresses induced by mechanical shot peening processes using the X-ray diffraction technique and finite element method of 2024-T351 Aluminum Alloy, Albahit journal of applied sciences, Vol. 3, Issue 1, 2022, 35-40

[37] Alfitouri S, Ali N, Alameen B, **Ali A.** Color Image Compression Scheme with Reduced Computational Complexity. *Alq J Med App Sci.* 2022;5(1):172-176. <https://doi.org/0.5281/zenodo.6378415>

[38] Alhusein N, **Ahmed A.** Climate Change Impacts on Future Solar Photovoltaic System Performance and Power Output in Libya. *Alq J Med App Sci.* 2022;5(1):185-192. <https://doi.org/10.5281/zenodo.6396004>

[39] Najat Abohamra, Sabriya Alghennai Salheen, **Abdussalam Ali Ahmed**, Case Study of Cloud Computing Security Issues and confidentiality Challenges, International Journal of Emerging Trends in Engineering Research, Volume 10. No.4, April 2022.

[40] Braika Alameen, Sabriya Alghennai Alfitouri and **Abdussalam Ali Ahmed**, "Effect of dust storms on (GSM) signal north region of Libya," World Journal of Advanced Research and Reviews, 2022, 14(01), 504–519

[41] Abdalla Milad Faraj, Hisham Fathi Ali, Abdussalam Ali Ahmed, and Mohammed Khaled Akel, CNC machine for image and PCB layout drawing, Global Journal of Engineering and Technology Advances, 2022, 11(02), 013–024, DOI: <https://doi.org/10.30574/gjeta.2022.11.2.0078>

Conference papers and Proceedings

[1] **Abdussalam Ali Ahmed** and Başar Özkan, “Simulation of Stability Control for Electric Vehicle Using Fuzzy PID Control Method”, *AVTECH '15 III. Automotive and Vehicle Technologies Conference*, November 23-24, 2015 in Istanbul, Turkey.

[2] **Abdussalam Ali Ahmed** and Başar Özkan, “Simulation of Stability Control for In-Wheel Motored Vehicle Using Fuzzy PID Controller”, *2nd International Conference on Aeronautical, Robotics and Manufacturing Engineering (ARME'2015)*, Dec. 3-4, 2015 Antalya, Turkey.

[3] **Abdussalam Ali Ahmed** and Başar Özkan, “Fuzzy PID Control of In-Wheel Electric Motors and Active Suspensions to Improve Vehicle Handling and Stability”, *International Conference On Energy Systems Istanbul 2015-Ices'15* 23-25 December 2015, Yildiz Technical University, Istanbul, Turkey.

[4] Mustafa Emheisen, **Abdussalam Ali Ahmed**, Abubaker Emheisen, Osama M. Abuzaid, Evaluation Of Vehicle Stability Using Simple Single Track Model And Different Control Methods, *Liceet2018 Libyan international conference on electrical engineering and technologies*,04-06/03/2018, Tripoli, Libya.

[5] **A. Ali Ahmed** and M. Emheisen, "Analysis of Vehicle Handling Using a Simple Track Model of Automobile," 2019 19th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA), Sousse, Tunisia, 2019, pp. 130-133, doi: 10.1109/STA.2019.8717244.

[6] Alforjani Ali Ahmed **and Abdussalam Ali Ahmed**, A Comparative Study between Some Methods of Solving Transportation Problems and the Proposed Technique, The 3rd International conference on Science and Technology, September 15, 2020, Sebha, Libya.

[7] **A. A. Ahmed** and A. F. Saleh Alshandoli, "Using Of Neural Network Controller And Fuzzy PID Control To Improve Electric Vehicle Stability Based On A14-DOF Model," *2020 International Conference on Electrical Engineering (ICEE)*, Istanbul, Turkey, 2020, pp. 1-6, doi: 10.1109/ICEE49691.2020.9249784.

[8] **A. A. Ahmed** and A. F. Saleh Alshandoli, "On replacing a PID controller with Neural Network controller for Segway," *2020 International Conference on Electrical Engineering (ICEE)*, Istanbul, Turkey, 2020, pp. 1-4, doi: 10.1109/ICEE49691.2020.9249811.

[9] **Abdussalam Ali Ahmed** and Omer.S. M. Jomah, Modeling and Control of Car Active Suspension System Using a Neural Network-based Controller and Linear Quadratic Regulator Controller, *IEEE 2nd International Conference on Electronics, Control, Optimization and Computer Science : (ICECOCS'20)*, December, 2nd – 3rd 2020, Kenitra, Morocco.

[10] **Abdussalam Ali Ahmed** and Omer.S. M. Jomah, Vehicle Yaw Rate Control For Lane Change Maneuver Using Fuzzy PID Controller And Neural Network Controller, *IEEE 2nd International Conference on Electronics, Control, Optimization and Computer Science : (ICECOCS'20)*, December, 2nd – 3rd 2020, Kenitra, Morocco.

[11] **A. A. Ahmed**, J. Santhosh and F. W. Aldbea, "Vehicle Dynamics Modeling and Simulation with Control Using Single Track Model," *2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)*, 2020, pp. 1-4, doi: 10.1109/WIECON-ECE52138.2020.9397983.

[12] **Abdussalam Ali Ahmed**, vehicle stability optimization based on fourteen degree of freedom model and using of neural network controller, Euro Asia 8th. International congress on applied sciences, March 15-16, 2021, Tashkent, Uzbekistan.

[13] Amhimmid Q. Almagrouk and **Abdussalam Ali Ahmed**, Observer Design for State Variable Feedback Controller by Matlab, Al-Farabi International Congress On Applied Sciences – Ii May 2-4, 2021 / "Nakhchivan" University, Azerbaijan.

[14] A. Douma, G. Şengül, F. G. Ibrahim Salem and **A. Ali Ahmed**, "Applying the Histogram of Oriented Gradients to Recognize Arabic Letters," *2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering MI-STA*, 2021, pp. 350-355, doi: 10.1109/MI-STA52233.2021.9464499.

[15] F. G. Ibrahim Salem, R. Hassanpour, **A. A. Ahmed** and A. Douma, "Detection of Suspicious Activities of Human from Surveillance Videos," *2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and*

Computer Engineering MI-STA, 2021, pp. 794-801, doi: 10.1109/MI-STA52233.2021.9464477.

[16] A. Douma, **A. A. Ahmed**, G. Şengül, J. Santhosh, O. S. M. Jomah and F. G. Ibrahim Salem, "A comparison of Pattern Recognition Approaches for Recognizing Handwriting in Arabic Letters," *2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering MI-STA*, 2021, pp. 818-824, doi: 10.1109/MI-STA52233.2021.9464483.

[17] Masood A. Masood, I.S. Naser, **Abdussalam Ali Ahmed**, Zayad M. Sheggaf, Ahmad A. M. Idris, " Evaluation And Influence Of Hot Exhaust Gas Recirculation Technology On The Performance Of A Single-Cylinder Diesel Engine And Emission Levels," *the 4th International Conference on Innovative Studies of Contemporary Sciences*, July 29-31,2021, Tokyo, Japan.

[18] Fatimah Husayn Amir Aldeeb, **Abdussalam Ali Ahmed**, " Software Defined Wide Area Network SD-WAN: Principles and Architecture," *4th International African Conference on current studies* ,October 20-22, 2021, Bani Waleed, Libya.

[19] Amhimmid Q. Almabrouk and **Abdussalam Ali Ahmed**, The Detection System of Human Tracking Motion Based Pyroelectric Infrared (PIR) Sensor, International Siirt Conference on Scientific Research, November 5-7, 2021, Siirt University, Turkey.

[20] Abdussalam Ali Ahmed, Alforjani Ali Ahmed, Ahmed Salem Daw Alarga, Abdulgader Alsharif, Simulation Research on Vehicle Handling and Stability Enhancement Based on PID Control Technology, 2021 IEEE International Conference on Power, Electrical, Electronic and Industrial Applications (PEEIACON), 03-04 December, 2021, Dhaka, Bangladesh.

[21] Abdussalam Ali Ahmed, Hend Abdelgader Eissa, Abdalla Milad Faraj, A. Albagul, Mohamed Belrzaeg, Abdulgader Alsharif, Suspension System Modelling And Control For An Electric Vehicle Driven by In-Wheel Motors, 2021 IEEE International Conference on Robotics, Automation, Artificial-Intelligence and Internet-of-Things (RAAICON), 03-04 Decemerm 2021, Dhaka, Bangladesh.

[22] Abdussalam Ali Ahmed, Ahmed Salem Daw Alarga, Medical Assistant Robot for Communication with Disabled Patients, 2021 IEEE International Conference on Robotics, Automation, Artificial-Intelligence and Internet-of-Things (RAAICON), 03-04 Decemerm 2021, Dhaka, Bangladesh.

[23] Rania Saleh Mohammed and **Abdussalam Ali Ahmed**, Iris Recognition Technology: Principles, Mechanism, and Market Forecasting (2022-2030), 5th International African Conference on current studies of science, technology & social sciences February 2-5, 2022 Cairo, Egypt.

- [24] Abubaker Emheisen and **Abdussalam Ali Ahmed**, The Evaluation and Analysis of Hybrid ANFIS-PID Based Speed Controller for Brushless DC Motor, 5th International African Conference on current studies of science, technology & social sciences February 2-5, 2022 Cairo, Egypt.
- [25] M. M. Khaleel, T. Mohamed Ghandoori, A. Ali Ahmed, A. Alsharif, A. J. Ahmed Alnagrat and A. Ali Abulifa, "Impact of Mechanical Storage System Technologies: A Powerful Combination to Empowered the Electrical Grids Application," *2022 IEEE 2nd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA)*, 2022, pp. 628-636, doi: 10.1109/MI-STA54861.2022.9837670.
- [26] A. S. D. Alarga, A. G. E. Abdallah, A. A. Ahmed and S. Adbar, "A New algorithm for a novel physiotherapy robot for upper-lower limbs," *2022 IEEE 2nd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA)*, 2022, pp. 38-42, doi: 10.1109/MI-STA54861.2022.9837697.
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Computer / Technical Skills

Operating Systems	:	Windows Family
Packages	:	MATLAB, PVsyst Software, SolidWorks
Office Automation	:	Ms- Word, MS-Excel, Ms-PowerPoint

Personal Profile and Hobbies

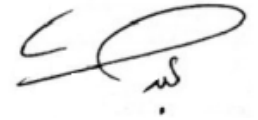
Languages Known:	Arabic, English. Turkish
Hobbies:	Reading the scientific books, Teaching, Surfing net & swimming

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Dr. Abdussalam Ali Ahmed

Updated: 04-01-2023

A handwritten signature in black ink, consisting of a large, stylized loop followed by a smaller, more intricate flourish.