Curriculum Vitae (CV)



Personal Details:-

Name : Bashir Mohammed Ali Khamoudi
Date and Place of Birth: 01/01/1966 Surnman.
Nationality: Libyan.
Scientific Degree: Full Professor
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Education History: -

B.sc."Electrical and Electronics Engineering". Tajoura Academy Tripoli Libya. (1984-1989).
M.sc."Radio Frequency Communication Engineering". University of Bradford (UK). (1992-1993).
Ph.D. "Communication Engineering". Beijing University of Aeronautical and Astronautics. China (2002-2005).

Careers: -

1- System Engineering Course 2010 Tripoli.
2- Project Management Course 2010 Tripoli.
3- Quality Management Course 2010 Tripoli.
4- Effect of Electromagnetic Radiation on Human Body and Electromagnetic Compatibility Course 2010 Tripoli.
5- Integrated Logistic Support System Course 2010 Tripoli.
6- Acceptance Procedure Criteria Course 2010 Tripoli.
7- Electrical Power Analysis for Vehicles. Theoretical part in Tripoli, Practical part in Athena Greeks, 2010.
8- Image Processing. **Six months course** in 1997 at the research and Development Center Belgrade, Serbia.

Experience: -

- 1989- 2025, Working in the Applied Research and Development Organization Tripoli in the area of radio frequency and microwave Engineering.

- A part time staff member at several higher educational institutes and colleges (1995-2025) Courses Taught (Part time): Communication I, II, III, Electronics I, II, III, Electrical Circuits, Electrical Measurements, Optical Communication, Antenna, ...i.e.
- Supervisor for several undergraduate projects in the field of Antennas, communication system, RF and microwave circuits design such as Filters, Amplifiers, Mixers and directional couplers using Microstrip Technology (1999-2022).
- A part time staff member at Libyan Academy for Postgraduate Studies as a supervisor on students Thesis during 2008 to 2026. Also, as lecturer in Academy and courses taught such as Microwave Engineering, Optical Fiber and Applied Electromagnetic Theory.
- Member of Libya Technical Committee (Full Time) for executing the Libyan Tactical Communication Information System (C4I) with a British company for three years (2008-2010).
- Training Manger for Tactical Communication Information System (C4I), number of training courses were executed (2008-2010).
- Member of Libyan Technical Committee for Border Control System for preparing the requests for proposal for the border control (from Mar. to Nov. 2013).
- Working with QinetiQ UK Company as Consultant Company for Border Control System from May to Nov. 2013.
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Publication Papers: -

1. Bashir Moh. Khamoudi, "Modeling of Hand set antenna using moment method", The 3rd International conference of electrical and Electronic Engineering, 1996, Tripoli Libya.
2. Bashir Khamoudi, Xiaolin Zhang, " Design and Analysis of Microstrip Band Pass Filter at 2.4GHz", Proceeding of the International Conference on Communication and Information, June 2005, Beijing China, pp 765-769.
3. Bashir Khamoudi, Xiaolin Zhang, "Telemetry system Channel Model for Unmanned Aerial Vehicle", International Conference on Aeronautical Science and Air Transportation 2007 Tripoli Libya, pp 507-514.
4. Bashir Moh. Khamoudi, Xiaolin Zhang," Effect of Nonlinear Distortion on Telemetry System by SPW", Future Telecommunications Conference 2005, Beijing China, pp172-175.
5. Nafaa M. Shebani, Bashir Moh. Khamoudi and Ahmed S. Abulkassem, "Measurement of Dielectric Constant of Some Materials Using Planar Technology", The 2nd International Conference on Computer and Electrical Engineering, Dec. 2009, Dubai UAE.
6. Nafaa M. Shebani, Amal E. Mohammed, Bashir Moh. khamoudi," Design Curves of Microstrip Ring Resonator", 12th International conference on Sciences and Techniques of Automatic control & computer engineering Dec. 18-20,2011, Soussa Tunisia.
7. Bashir Moh. khamoudi, Mohamed shomani," Design of Low Noise Amplifier In Microwave Band ", 12th International conference on Sciences and Techniques of Automatic control & computer engineering. Dec. 18-20,2011, Soussa Tunisia.
8. Bashir Moh. Khamoudi, Adel Abdoslam Arbea, "Improve Bandwidth of Dual Band Patch Antenna For GPS and Bluetooth Applications", International Conference on Next Generation Computing and Communication Technologies. 23rd &24rd April 2014, Dubai UAE.

9. Bashir Moh. Khamoudi, ALZahrah Saeid MansourAbd-Aldaem, " Improve the Phase Error of 90° Hybrid Coupler Using Extended Transmission Line Method", Libyan International Conference on Electrical Engineering and Technologies (LICEET2018) 3 – 7 march 2018, Tripoli - Libya.
10. Bashir Moh. Khamoudi, ALZahrah Saeid MansourAbd-Aldaem, "Improve Phase Shift of 90° Hybrid Using Single Stub Method", Libyan International Conference on Electrical Engineering and Technologies (LICEET2018) 3 – 7 march 2018, Tripoli - Libya.
11. Bashir Mohammed. A. Khamoudi, Eman Mohamed Alnegrat, "Design and Analysis of Crescent Antenna for GPS and Bluetooth Applications", Libyan International Conference on Electrical Engineering and Technologies (LICEET2018) 3 – 7 march 2018, Tripoli - Libya.
12. Hamza Amr D. Awhaida, Bashir Mohammed A. Khamoudi, Khairia Belgith "Comparison of Techniques for Calculation of The Input Impedance of Rectangular Micro-Strip Antenna", Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 3 -7 march 2018, Tripoli - Libya.
13. Salwuy A. Saleem, Bashir Mohammed Khamoudi, "Design and Simulation of Y-shaped Microstrip Patch antenna array for 60 GHz Applications", IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA2021), 25-27 MAY, Tripoli – Libya.
14. Ibrahim Emhemmed Alwasif, Bashir Mohammed Khamoudi, " Tuning of ITU-R Model to Match Rain Attenuation in Libya", 4th International Conference on Technical Science (ICTS2021), 6-8 DEC. 2021, Tripoli-Libya.
15. Sara Almukhtar Adaera, Bashir Mohammed Khamoudi, "Performance Evaluation Of MIMO Technology for Downlink Long Term Evaluation ", 4th International Conference on Technical Science (ICTS2021), 6-8 DEC. 2021, Tripoli-Libya.
16. Sara Almukhtar Adaera, Bashir Mohammed Khamoudi, " Performance Evaluation of Massive MIMO Using Sub 6GHz", 4th International Conference on Technical Science (ICTS2021), 6-8 DEC. 2021, Tripoli-Libya.
17. Mohammed M. K. Hamdan, Abdulhameed Almabrok Swedan, Bashir Moh. Khamoudi," Performance Analysis of 80 Gb/s XGS-PON Configuration for Future Co-Existing Scenario", IEEE 2nd Maghreb International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA2022), 23-25 MAY, Sabratha, Libya.
18. Khawlah Alqamoudi , Mawada Alqamoudi, Mohamed Ghretli, Bashir Khamoudi, "Multiprotocol Label Switching Layer 3 VPN Solution for Libyan Oil Company", Libyan International Conference for Applied Science and Engineering (LICASE2022), 27-28- Sept. 2022, Tripoli-Libya.
19. Khawlah Alqamoudi, Mawada Alqamoudi, Mohamed Ghretli, Bashir Khamoudi, "Multiprotocol Label Switching Layer 3 VPN Solution for Libyan Oil Company", International Science and Technology Journal, ISSN: 2519-9846.
20. Mohammed m.k.Hamdan, Abdulhameed Almabrok Swedan, Bashir Moh. Khamoudi, "300 Gb/s WDM-PON Downstream Model Performance Optimization for Co-Exist Approach", IEEE 21st International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA), Dec. 19-21,2022, Soussa Tunisia.
21. Noor Alhoda Ekmaj, Bashir Moh. Khamoudi, " Effects of Antenna Radiation on Human Head At Frequencies of Millimeter Waves", First Libyan International Conference on Engineering Science and Applications (FLICES-LA), 13-15 March 2023, Tripoli Libya.
22. Bashir Khamoudi, Mustafa Khaled Giledi,"Design of 28/38 GHz Antenna Array With Improved Gain and Bandwidth ", IEEE 3rd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering

(MI-STA- 2023) ", May 21-23-Benghazi Libya.

23. Bashir Khamoudi , Safaa Kaled Jurnaz, " Detection of Breast Tumor Using Microstrip Ring Resonator", IEEE 3rd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA-2023).", May 21-23-Benghazi Libya.
24. Ahmed Fouzi Ben Aoun, Bashir Khamoudi, "Design of 4x4 Butler Array for 5G Cellular Network", 10th International Conference on Control Engineering & Information Technology, April 27-29, 2025, Hammamet- Tunisia.
25. Abdulmoula Al Gamoudi, Reham Al Qasabi, Bashir Khamoudi, "Pattern of Information Technology Students Reliance on Generative Artificial Intelligence Tool in Programming", Information Technology Horizon Conference, July 19.2026, Faculty of Information Technology, Misurata University, Libya.

Participation of Conferences: -

1. Member of Scientific Committee (Reviewer and Session Chair) at Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 3 -7 march 2018, Tripoli - Libya.
2. Member of Scientific Committee (Reviewer and Session Chair) at The International Conference on Technical Sciences (ICTS2019), 4-6 march 2019, Tripoli -Libya.
3. Member of Scientific Committee (Reviewer and Session Chair) at 3rd International Conference on Technical Sciences (ICTS2020), Tripoli -Libya
4. Member of Scientific Committee (Reviewer and Session Chair) at IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA2021), 25-27 MAY, Tripoli – Libya.
5. Member of Scientific Committee (Reviewer and Session Chair) at 4rd International Conference on Technical Sciences (ICTS2021), 6-8 DEC. 2021, Tripoli -Libya.
6. Member of Scientific Committee (Reviewer and Session Chair) at IEEE 2nd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA2022), 23-25 MAY, Sabratha, Libya.
7. Member of Scientific Committee (Reviewer and Session Chair) at Libyan International Conference for Applied Science and Engineering (LICASE2022), 27-28- Sept. 2022, Tripoli-Libya.
8. Member of Scientific Committee (Reviewer) at IEEE 3th International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA2025), 23-25 MAY, Tripoli Libya.
9. Member of Scientific Committee (Reviewer and Session Chair) at The First International Conference on Electrical and Electronics Engineering (ICEEE 2025, at Garyan Faculty of Engineering-Libya.
10. Member of Scientific Committee (Reviewer) at IEEE 5th International Maghreb Meeting on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA 2026). April 4–7, 2026, Sebha, Libya.
11. Participated as a research paper reviewer in the 5th Engineering Professions Conference—organized by the General Syndicate of Engineers in Zawiya and held on December 16–17 2025 the Medical Research Center in Zawiya.
12. Participation in the International Scientific Conference organized by the Research and Consulting Center at the University of Sirte focusing on Artificial Intelligence and Machine Learning as evaluators of research papers held on June 14, 2026, in Sirte, Libya.

13. Participation in the 2024 Libya Innovation Competition—open to graduates of the 2022 and 2023 academic years and held at the University of Tripoli from December 28, 2024, to January 1, 2025—featuring the master's thesis of student Safaa Khaled Jarnaz, under the supervision of Professor Bashir Mohammed Khamoudi.

Published Books: -

One published book in Arabic Language, under Title (Basics of Communication Engineering) with the Authors, Dr. Amer Rajab Zerag and Dr. Nouri Alhade El_Elabo. (As Scientific Reviewer) , 2017.

Field of Interest: -

- Design of Antennas, Communication systems, Radio frequency and microwave circuits design (Including Measurements in the Lap.).
- Radar Systems.
- Telemetry system design.
- Teaching of communication Engineering Courses for under and post graduate studies.
- Supervision for post graduate Thesis.
- Consultant in the field of Communication Engineering.

Skills

- ✓ Good at English Language (Reading, Writing).
- ✓ Good in using Computer, All Windows Programs.
- ✓ Good in using some special programs related to the communication Engineering and Microwave such as HFSS software, Advanced Design System software (ADS), and CST software.

Ideal Work: -

- Graduated/postgraduate Lecturer.
- Supervisor for undergraduate/postgraduate projects.
- Communication project management.
- Consultant in the field of communications and microwave Engineering.
- Training Management.
- Design of RF circuits and antennas using microstrip technology. Measurements of communication component.
- Acceptance Procedure Criteria for communication components, radars and Labs.
- Boarder Control System.