



	<p>Qassim MH Nasir College Of Engineering Sharjah University email: nasir@sharjah.ac.ae qassim.nasir@gmail.com Phone: + (9716) 5050-962 – Office</p>
	
  	

SUMMARY

- Extensive experience providing higher education accreditation to universities such as National (UAE) Accreditation (CAA) , Southern Association of Colleges and Schools Commission on Colleges (SACS), and Accreditation Board for Engineering and Technology (ABET)- Programs Accreditation. Knowledge of Taskstream, which is a package of tools, used for electronic assessment and create electronic portfolio selected by University Of Sharjah to showcase learning achievements.
- Career professional focused for 12+ years on information security in terms of wireless communication security, encryption, secure software development, secure network architecture and programming, with more than 25 years of diverse and increasingly responsible IT experience, systems engineering, academic teaching, about 90 research publications, and security management (ISO 27001/2).
- Extensive experience providing consultancy in security to corporations in telecommunications, and government sectors.
- Expertise in security management, with experience in project management, integrated security architectures, risk management strategies, investigations and incident response programs, compliance to ISMS, and security technologies.
- Thesis supervision in the area of communications, security, blockchain, attestation, SDN, IoT testbed, ADHOC routing, and haptic communications.
- Extensive experience in higher education accreditation, and teaching in areas of telecommunications, computer networks, network programming, programmable logic controller, web based instruments, and others.
- Knowledge of many high level languages such as Pythom, MATLAB, Java, C++, C#. Network Simulation with OPNET, QUALNET, ns2, and others.

RESEARCH AND TECHNICAL INTERESTS:

- **Academic Accreditation**
 - Taskstream, which is a package of tools, used for electronic assessment and create electronic portfolio selected by University Of Sharjah to showcase learning achievements.
 - Southern Association of Colleges and Schools Commission on Colleges (SACS-SC)
 - Accreditation Board for Engineering and Technology (ABET)– Programs accreditation.
 - Commission for Academic Accreditation (CAA)– National (UAE) Accreditation, for programs and institutions. QFEmirate assurance within the program Curricula.

- **Data and Network Security**
 - Certified Information Systems Security Professional (CISSP) holder
 - Information Security Management
 - ISO 27001/2 expert
 - Encryption Systems
 - Real Time Encryption Systems
 - Chaos in Encryption
 - Sensor Network Security.

- **Blockchain and IoT**
 - Blockchain performance
 - Blockchain security
 - Block chain for IoT based application.
 - Blockchain applications

- **Machine Learning Application in Security**
 - Anomaly Detection in IDS
 - Attack classifications
 - Clustering.
 - APT – Advanced Persistent Threats

- **Digital Communications**
 - Wireless Channel estimation
 - Receiver synchronization systems
 - Chaos in Communications
 - Telecommunication Software architecture and
 - Software Defined Radio platform for Cognitive Radio.

- **Computer Networks**
 - Power, Security and QoS aware MAC and routing protocols in mobile ad-hoc networking.
 - Haptic applications layer protocols.

- MIMO aware MAC protocols.
 - Industrial protocols performance.
 - Web based process and network monitoring and control,
 - Networking protocols for wired and wireless (MANET) e.g. TCP/IP, MAC protocols.
 - Network simulation and design software. Network analysis and design.
 - Routers and switches monitoring and control specially Cisco/Nortel products.
 - Cisco Certified Trainer for Trainers. Conduct courses for CCNA, CCNP.
 - Optical Networks including SONET, SDH and all types of connections.
 - ADSL firmware and MODEM software architectures.
- **ICT in Teaching**
 - MATLAB, SIMULINK in system simulations.
 - ns-2, Glomosim, QualNet Network simulators.
 - Labview instrumentation and remote control with TCP/IP.
 - Teaching experience for digital communications/ Computer Networks.
 - Instrumentation and lab hardware for communications and networking laboratory.
 - **Programming Languages**
 - Network programming with C, C#, and Java network programming.
 - Web Based Application programming using C#.NET(Web server + Database Servers – OLEDB).
 - e-automation, PLC ladder programming, SCADA, OPC.
 - Object Oriented systems design and implementation.
 - Analysis and Design of Client Server architectures.
 - **Others**
 - Project and resource management using Microsoft Project.

QUALIFICATION:

- **1994 Ph.D.** College of Engineering, Baghdad University, Electronics and Communications. Thesis “High Speed Data Transmission over Time Varying HF Channel”
- **1987 M.Sc.** College of Engineering, Baghdad University, Electronics and Communications Thesis “Analysis and Design of An Adaptive Digital Phase Locked Loop”.

Granted Projects:

1. Qassim Nasir, and Manar Abu Talib, “Remote attestation of Cyber Physical Systems (CPS)” funded by UoS
2. Qassim Nasir, and Manar Abu Talib, “Towards Blockchains Benchmarking & its Security Metrics for UAE Governments “, funded by UoS
3. Qassim Nasir, and Manar Abu Talib, “Iot Testbed “, funded by Dubai Electronic Security (DESC)
4. Qassim Nasir, Manar Abu Talib, Ali Bou Nasir, and members from AUS, “Improved Blockchain infrastructure with IoT for

critical/smart government applications “, funded by Dubai
Electronic Security (DESC)

WORK EXPERIENCE/ACADMIC:

1. **9/2018 - Present - Head** of Scientific publishing department.
2. **11/2017 - Present - Co/Coordinator of OpenUAE Research Group, working in Open Source Software for AI(MML), Security, IoT and Blockchain for critical infrastructure.**
3. **9/2016 - 9/2018:** University Of Sharjah, Electrical and Computer Engineering Department, Sharjah, UAE, **Head of Electrical and Computer Engineering department**
4. **9/2014 - 9/2016:** University Of Sharjah, Electrical and Computer Engineering Department, Sharjah, UAE, **Research Funding Department Chairman**
5. **2/2001 - Present:** University Of Sharjah, Electrical and Computer Engineering Department, Sharjah, UAE, **Associate professor:**
 - a. Chairman of Research Funding department
 - i. Receiving and processing, in coordination with and on behalf of the institutes, all grant applications in coordination with relevant institutes.
 - ii. Liaising with holders of research funds to ensure compliance with university bylaws and regulations.
 - iii. Processing of research funds, internal and external, in terms of refereeing, monitoring expenditure and otherwise facilitating purchasing and funding,
 - iv. Follows the progress of research projects, including meeting of deadlines, achievement of project outcomes, and submission of final reports.
 - v. Supporting the operations and management of approved research projects, including supporting purchasing, reallocation of funds, responding to the inquiries, needs and requirements of researchers.
 - vi. Maintaining an online database of research activities of researchers, including research grants history, refereeing results, project budgets, projects investigators, and an electronic copy of grant applications.
 - vii. Maintaining a database of all purchased research assets, including software and equipment, which remain under the name of the researcher and may be shared by others.
 - viii. Creating and maintaining an electronic database of referees, including information on their collaboration with refereeing grant applications.

- ix. Assisting faculty members in grant writing to increase their chances in securing external research funds.
 - x. Preparing reports of the research activities of faculty members to meet the needs of the institutes.
- b. Teaching undergraduate courses such as Analogue and Digital Communications, , wireless communications, Computer Communications and Networking, Network Programming, Random Signal Theory, AC circuit analysis, Microprocessors and assembly language, Programmable logic controllers, and discrete mathematics.
 - c. Teaching graduate courses such as communication system engineering, error control coding, and Mobile Computing
 - d. Supervising many final year projects in the fields of digital communications, wireless system, Ad-Hoc Network, GPS, and Haptic Applications such as: GPS/GSM based bus tracking systems, PLC based plotters, GSM repeater, remote oscilloscope control, remote sensor, remote camera control, and many others.
 - e. Supervising graduate thesis in the area of communications and networking, 4 graduated and three are underway.
 - f. Involved in the following projects:
 - i. Blockchain and IoT for Critical Infrastructure
 - ii. IoT Test bed
 - iii. GPS Spoofing
 - iv. Drone Jammers
 - v. ML and Wireless Fingering printing
 - vi. Secure EM transmission.
 - vii. Many others

6. 2008 - 2010: Joseph Fourier, GIPSA lab , Grenoble France

Visiting professor

- a. Joint research project on “MAC protocol and MIMO” and “Sensor Networks and MIMO”
- b. Joint book publication in the area of Software Defined Radio platform for Cognitive Radio

7. 2002 – 2009: Helsinki University Of Technology, Helsinki, Finland.

Visiting professor:

- a. Teaching graduate course on “Web based Instrument and Process Monitoring and Control” , and “Industrial automation software design”

8. 1999-2001: Ottawa University School Of Information Technology and Engineering, Ottawa, Canada.

Part Time professor:

Teaching courses “Telecommunication software engineering”

9. **9/1995 – 7/1997:** Amman University, Electrical and Computer Engineering Department, Amman, Jordan

Assistant professor:

- a. Teaching undergraduate courses such as analogue and Digital Communications, Electronics measurements, Digital Systems, Computer Communications and Networking.
- b. Supervising many final year projects in the fields of digital systems, and electronics such as digital voltmeter, frequency counter, regulated DC power supply, and motor speed control.

10. **10/1985 – 9/1995:** Baghdad University, Electronics and Communication Engineering Dept., and Computer Engineering Dept., Baghdad, Iraq

Lecturer

Teaching undergraduate courses such as analogue and Digital Communications, Digital Systems, computer Architecture, Operating Systems, and microprocessor based systems.

EDUCATION and LEARNING EXPERIENCE:

- a. Accreditation Committee chair for Master degree in Electrical and Computer programs.
- b. University Of Sharjah Taskstream team to collect and document teaching performance in all education programs.
- c. College of Engineering SACS (Southern Association of Colleges and Schools Commission on College) Committee chair.
- d. Consultant for National and ABET accreditation for engineering programs (2003 till present). Including the latest standards for national 2007 and ABET 2011.
- e. Involved in the:
 - i. Final ABET accreditation of Electrical and Computer Engineering programs- Key Member in the department and university committee member for ABET.
 - ii. Final accreditation of Electrical and Computer Engineering programs.
 - iii. Initial accreditation of Industrial and Management Engineering program.
 - iv. Initial accreditation of Architectural Engineering program
- f. Involved in engineering education as
 - i. Qassim Nasir “ Networked Collaborative Learning “, Second forum on Engineering Education, Sharjah March 2002
 - ii. Qassim Nasir, “Effective Learning”, Engineering Education, Sharjah March 2004

- g. Graduated from “Effective Teaching and Learning use New Tools/Methodologies”, Canada 2000.
- h. Took a course in “Teaching Development “, Sharjah – University of Sharjah 2007
- i. Took a course in “Project based Learning “, Sharjah – University of Sharjah 2009.

TEACHING EXPERIENCE:

- Extensive teaching experience at university level, since 1987.
- Excellent training capabilities for students and industry professionals.
- Experience in curriculum development, and preparation for **ABET** accreditation.
- Excellent teaching evaluation results both from students as well as from Peers.

WORK EXPERIENCE/ INDUSTRIAL:

1. Cisco Trainer

- a. Teaching CCNA 1-4 as part Routing and switching
- b. Consultation in network design and network security

2. 1/2001 – Now: Consultant for the areas:

- a. Secure Network Design
- b. Information Security Management Systems ISMS
- c. Data Center Design and requirements.
- d. Smartcard AAA (Authentication, Authorization, and Accounting) systems
- e. Embedded Applications.
- f. National and International Higher Education Accreditation

3. 11/1997 – 2/2001 : NORTEL NETWORKS, Ottawa, Canada Senior Designer :

- a. Design of Fast retrains for GLITE ADSL modem produced by NORTEL. Analysis of Full initialization exchange sequence messages and the spectrum of the tones and their compliance with the ADSL CCITT standards.
- b. Firmware System Designer for ADSL Modem control interface including protocol design for Element Management Layer messaging and data store inside the modem.
- c. System implementation on the top of QNX and ARM processors.
- d. Real time operating system performance for OC48 SONET equipment's.

- e. Design of software for handling the CMISE messages for OC192 SONET (10Gbit/sec) , TN64X SDH Network Element operating under pSOS Real time OS .
- f. Network Management and reconfiguration of SONET 2 Fiber (2F) and 4F rings. Review the designs in protection, alarms, event reporting, backup/restore, Q3 and TL1 interface and matched lines.
- g. **Teaching** the following courses:
 - i. SONET Network Element Overview Course, NORTEL, Ottawa Canada
 - ii. Code Inspection Course, NORTEL, Ottawa , Canada
 - iii. Object Oriented systems analysis and design with C++.

**4. 8/1997 – 11/1997 : PRIOR DATA SCIENCES, Ottawa, Canada .
Consultant**

- a. Developing Matrix Management for DynaTrax physical Routers in NORDX/CDT for medium size organization internetworking. The project includes complete Object Oriented communication software for controlling the physical layer connectivity. SNMP over TCP/IP protocol were used to deploy the NE management. The project consists of writing communication protocol "SNMP" with the NE using Visual C++ interfaced with the firmware (agent software).

5. 12/1979 – 9/1995 : Ministry Of Finance, Ministry Of Housing and Construction Iraq, Chief Engineer:

- a. Analysis and design of computer network to connect the National Banks through X.25 Network.
- b. Robotron / IBM 360 Main frame hardware engineer.
- c. Maintenance Engineer for mainframe peripherals.
- d. Writing drivers for Terminal Arabaization.
- e. System Programmer, Operation Manager for MOHC Computer Center.
- f. Assembly language programming for testing system hardware.
- g. PL/1 and Cobol Programming
- h. Application programmer for traditional system such as salary, human resources management.
- i. Network based programming with COBOL, PL/1 based applications in multiuser sharing resources.
- j. Help in system debugging.

MANAGEMENT EXPERIENCE:

- Scientific publish unit chairman – Fall 2018 till now.
- Electrical and computer engineering department Chairman in University of Sharjah, 2016-2018.
- Research funding department chairman 2014-2016.

- Accreditation Committee Leader for Local and ABET.
- Project Leader – OC12 Express, ADSL firmware- Nortel Network – Canada.
- Network Manager for DynaTrax – Canada – Prior Data Sciences.
- Computer Center Manager – Iraq.

RECENT THEIS SUPERVISING ACTIVITY:

1. Qassim Nasir , Saad Harous and Mohamed AlDubai “Energy aware Multi-path Dynamic Source Routing in Mobile Ad Hoc Networks” 2006, Graduated
2. Qassim Nasir, Saad Harous and Rasheeda Ali “QoS aware Multi-path Dynamic Source Routing in Mobile Ad Hoc Networks” 2006, Graduated
3. Qassim Nasir and Maali Shyaa “Adaptive Back off and its implementation using Linux with Etheros WLAN card which support varying backoff – Writing a new Linux driver to support the proposed algorithm. 2007, Graduated
4. Qassim Nasir, Ahmed El Wakil and Asma Abid, “Implementation of Chaotic Encryption in Wireless Voice Communication Systems” on TI – Chipcon CC1100 wireless kit with a double nested chaos map for pseudo true binary number generator , 2008, Graduated
5. Qassim Nasir and Enas Khalil, “Predictive Application Layer Protocols for Haptic Collaboration”, 2014, Graduated
6. Qassim Nasir and Zahra Al-Mousa, “cl-CIDPS: A Cloud Computing Based Cooperative Intrusion Detection and Prevention System Framework”, 2015, Graduated
7. Qassim Nasir, and Hanan Al-Obaidli , “Improved logging infrastructure for cloud Digital Forensics”, 2016 , , Graduated
8. Qassim Nasir, and Hamda Hassan, “Secure Monitoring and controlling of smart enabled solid state transformer in smart power grid”, 2016, , Graduated
9. Qassim Nasir, Manar Abu Taleb, Ahmed Alketbi, “Blockchain Information Security Assurance Framework for Smart Government Services”, 2020, PhD, Graduated.
10. Qassim Nasir, Fikri Dweiri, Jasim Buosaibah Al Ali, “Business Continuity Management Framework of Internet of Things (IoT)”, 2017, PhD
11. Qassim Nasir, Manar Abu Taleb , Nafisa Abdelmutalab Ali Ahmed , “Program-Flow Attestation of the IoT Systems Software “, 2017, Graduated
12. Qassim Nasir, Manar Abu Taleb , Rawhi Nasser Alrae “Information Quality Framework for Internet of Things (IoT) using Blockchain “, 2018, PhD

RECENT COURSES TAUGHT

- Power Line communications – Graduate Course
- Computer Communications and Networking
- Network Programming
- Programmable logic controllers and its applications
- Analogue and Digital Communications

- Wireless communications
- Graduate course: Communication system engineering,
- Graduate course: Error Control Coding
- Graduate course: Mobile Computing
- Graduate course on web based instrument control
- Random Signal Theory
- Supervising many final year projects in the fields of secure digital communications, embedded systems (IoT Testbed), network programming, web based applications, wireless system, Ad-Hoc Network, GPS spoofing, and Haptic Applications

PUBLICATIONS:

100+ of scientific publications and technical reports have been published in National Journals, and International Conferences.

JOURNAL PUBLICATION:

1. Manar Abu Talib ,Sohaib Majzoub ,Qassim Nasir, Dina Jamal, "A Systematic Literature Review on Hardware Implementation of Artificial Intelligence Algorithms", *The Journal of Supercomputing*, pp. 1-42, 2020,<https://doi.org/10.1007/s11227-020-03325-8>
2. Mohamed Abdallah, Manar Abu Talib, Sainab Feroz, Qassim Nasir, Hadeer Abdalla, Bayan Mahfood,, "Artificial intelligence applications in solid waste management: A systematic research review", 2020 ,*Waste Management*, vol. 109, pp. 231-246
3. Alketbi, A. and Nasir, Q. and Abu Talib, M., "Novel blockchain reference model for government services: Dubai government case study", *International Journal of Systems Assurance Engineering and Management*, 2020,DOI: 10.1007/s13198-020-00971-2
4. Omnia Abu Waraga, Meriem Bettayeb, Qassim Nasir and Manar Abu Talib, "Design and Implementation of Automated IoT Security Testbed, *Computers & Security*, vol. 88, Oct, 2019. Q1, IF =3.476
5. Qassim Nasir, Omar Mahdi, "Patch Antenna Performance Optimization and Multi-band Operation Using Single Rectangular Slot", *Wireless Personnel Communications*, IF=1.2, Springer, 109 (1), 155-173, DOI: 10.1007/s11277-019-06556-y
6. Talal Bonny, Qassim Nasir, "Clock Glitch Fault Injection Attack on an FPGA-based Non-autonomous Chaotic Oscillator", *Nonlinear Dynamics* 96 (3), 2087-2101, March, 2019, Springer, IF=3.9
7. A. Salam, R. Sheriff, S. Al-Araji, K. Mezher and Q. Nasir , "Spectrum Sensing in Cognitive Radio Using Multitaper Method Based on MIMO-OFDM Techniques, *Annals of Telecommunications*, Springer , 74 (11-12), 727-736 IF =1.168.
8. Manar Abu Talib,, Sohail Abbas, Qassim Nasir, Mohamad Fouzi Mowakeh, " Systematic Literature Review on Internet-of-Vehicles Communication Security", *International Journal of Distributed Sensor Networks*. 2018, <https://doi.org/10.1177/1550147718815054>, IF=1.787
9. Manar Abu Talib, Omar Eineaa, Qassim Nasir, Mohamad Fouzi Mowakeh, Mohamed Eltawilb, "Enhancing Computing Studies in High Schools: A Systematic Literature Review & UAE Case Study", *Heliyon/Elsevier*, 2019

10. Qassim Nasir, Ilham A. Qasse, Manar Abu Talib, and Ali Bou Nassif, "Performance Analysis of Hyperledger Fabric Platforms", *Security and Communication Networks*, <https://www.hindawi.com/journals/scn/>, 2018, <https://doi.org/10.1155/2018/3976093>
11. A. Salam, R. Sheriff, S. Al-Araji, K. Mezher and Q. Nasir, "Adaptive Threshold and Optimal Frame Duration for Multi-taper Spectrum Sensing in Cognitive Radio", *ICT Express*, 2018.
12. Qassim Nasir, Enas khalil, "Experimental Evaluation of Haptic Data Communication with Prediction" *Multimedia Tools and applications*, Springer <https://link.springer.com/journal/11042>), pp. 1-21, 2, Feb. 2018. . IF =1.541
13. A. Salam, R. Sheriff, S. Al-Araji, K. Mezher and Q. Nasir, " Adaptive interacting multiple model-Kalman filter for multitaper spectrum sensing in cognitive radio", *IET electronic letters*, Volume 54, Issue 5, 08 March 2018, p. 321 – 322, IF=1.155 (A)
14. Novel Approach for Modeling Wireless Fading Channels Using a Finite State Markov Chain", , A Abdul Salam, R Sheriff, S Al-Araji, K Mezher, Q Nasir, *ETRI Journal* 39 (5), 718-728 2017, IF = 1.116 (A)
15. Qassim Nasir, , "Behaviour of Fractional Loop Delay Zero Crossing Digital Phase Locked Loop (FD-ZCDPLL)", *International Journal of Electronics*, pp 153-163,,105,2017 , IF = 0.729 (B)
16. Qassim Nasir, " Fixed Point Iteration Chaos Controlled ZCDPLL *Int. J. Communications, Network and System Sciences*, 2016, 9, 535-544.
17. Ahmed Abdul Salam ; Ray Sheriff ; Saleh Al-Araji ; Kahtan Mezher ; Qassim nasir" A Multi-Taper Spectrum Based Estimator for Cognitive Radio Using Multiple Antennas and Space-Time Block Code Techniques" *IET Circuits, Devices & Systems*, pp. 133-143,12,2,2018, IF =1.09 (A)
18. Ahmed O .Abdul Salama, Ray E. SheriffaSaleh, R.Al-Arajib, KahtanMezher, QassimNasir , "Adaptive threshold and optimal frame duration for multi-taper spectrum sensing in cognitive radio Author links open overlay", <https://doi.org/10.1016/j.ict.2018.02.002>
19. Qassim Nasir," FIR Digital Filter based ZCDPLL for Carrier Recovery" *International Journal Of Electronics* 1 DOI: 0.1080/00207217.2015.1046501, Page 736-746 , 103,4,2016, IF = 0.729 (B)
20. Qassim Nasir, "Predictive FTF Adaptive Algorithm For Mobile Channels Estimation", *International Journal of Communications, Network and System Sciences (IJCNS)*, Vol. 5, No. 9, pp 569-578, 2012.
21. Qassim Nasir, Hadi H. Abdlrudha , "High Security Nested PWLCM Chaotic map bit-level permutation based Image encryption", *International Journal of Communications, Network and System Sciences (IJCNS)*, Vol. 5, No. 9, pp 548-556, 2012.
22. Qassim Nasir and Saleh Al-Araji , " Linearized Phase Detector Zero Crossing DPLL Performance Evaluation in Faded Mobile Channels", *Circuits and Systems*, Vol.2. No. 3, pp139-144, 2011.
23. Qassim Nasir, "Software Defined Radio (SDR) platform for Cognitive Radio", a chapter in a book on "Advance Cognitive Radio Networks", Scientific Research Publishing (SRP), Editors: By Kosai Raof , Huaibei Zhou , Alagan Anpalagan, Dave Cavalcanti , Aydin Sezgin , Yuehong Gao, Huseyin Arslan, Qassim Nasir, 2011. Book Chapter
24. Asma Abid, Qassim Nasir, and Ahmed Elwakil, "Implementation of an Encrypted Wireless Communication System using Nested Chaotic Maps", *Int. J. Bifurcation and Chaos*, Vol.20, No.12, pp. 4087-4096,2010, IF =1.329 (A)
25. Qassim Nasir, " MIMO Aware Mobile Ad Hoc Networks", Chapter in "Advanced MIMO

- Systems," Scientific Research Publishing (SRP), Editors: B. Zhou & K. Raoof, 2009 (Book Chapter)
26. Qassim Nasir, and Saleh Al-Araji, "Performance Analysis Of Zero Crossing DPLL with Linearized Phase detector", International Journal Of Information and Communication Technology, Vol.1, No.3, pp 45-51, 2009
 27. Qassim Nasir," True Random Bit Generator using ZCDPLL based on TMS320C6416", International Journal Of Communications, Networks, and System Sciences, Vol.2, No.4, pp258—266, July 2009.
 28. Qassim Nasir and Maali Albalt," Adaptive Backoff Algorithm for IEEE 802.11 MAC Protocol", International Journal Of Communications, Networks, and System Sciences, Vol.2, No.4, pp293—299,July 2009.
 29. Qassim Nasir, "Wireless Channel Tracking based on Optimum predictive LMS", Wireless Personal Communications, Wireless Personal Communications, 2008, see: <http://dx.doi.org/10.1007/s11277-008-9535-9>.
 30. S. Harous, M, Q. Nasir . ""Routing Algorithms for Mobile Ad hoc Networks", a chapter in the Handbook of Research in Mobile Multimedia, 2nd edition 2008, (<http://www.igi-global.com/reference/details.asp?ID=8219>).
 31. S. Harous, M. Aldubai, Q. Nasir , "An Energy Aware Multi-path Routing Algorithm for Mobile Ad Hoc Networks", International Journal of Business Data Communications and Networking (IJBDCN) , 2008.
 32. Qassim Nasir, "Performance Analysis of a Second Order Zero Crossing Digital phase Locked Loop with Time Delay", Submitted to the Journal of Applied Sciences, JAS June 2007.
 33. Qassim Nasir, " Chaos Controlled ZCDPLL for Carrier Recovery in Noisy Channels", Wireless Personal Communications, Volume 43 , Issue 4 , December 2007, 1577 – 1582.
 34. Lessan NG, Abdullah A, Hassan M, Nasir Q, Athammeh, "Glycemic Patterns Detected by CGMS in Patients with Diabetes Mellitus in the United Arab Emirates", Diabetes Technology Ther., 2006 Aug;8(4):513-5
 35. Qassim Nasir "Time Delay Digital Tanlock Loop with Broad Lock Range Using Chaos Control Technique", Wireless Personal Communications, 2007,Vol (41), No. 1, pp 135-141.
 36. Qassim Nasir, Mohamed Al-Dubai, and Saad Harous, "A Performance Study of DSR under different Wireless Channel Models" International Journal of Business Data Communications and Networking (IJBDCN) , 2007(3).
 37. Qassim Nasir , " Self Tuned Predictive LMS for Mobile Channel Tracking" , University of Sharjah Journal of Pure & Applied Sciences 2006, Vol(3), No.1, pp.49-61, 2006.
 38. Qassim Nasir," Predictive LMS for Mobile Channel Tracking", in Journal of Applied Sciences, JAS 5(2) 337-340, 2005.
 39. Qassim Nasir," Digital Phase Locked Loop with Broad Lock Range Using Chaos Control Technique", in AutoSoft - Intelligent Automation and Soft Computing, Vol.12, 2, pp 183-186, 2006.
 40. A-K. Hamid, and Qassim Nasir, "Transverse Electric Plane Wave Scattering by Two Infinitely Long Conducting Elliptic Cylinders: Iterative Solution" Springer Series "Mathematics for Industry" 9,2006, pp 193-201
 41. Qassim Nasir," Extended Lock Range Zero Crossing Digital Phase Locked Loop with Time Delay", EURASIP JWCN 2005:3 (2005), pp413-418. DOI: 10.1155/WCN.2005.413.

BOOK CHAPTERS:

1. Qassim Nasir, "Software Defined Radio platform for Cognitive Radio", a chapter in a book on **Advanced Cognitive Radio Network**, Scientific Research Publishing (SRP), ISBN: 978-1-935068-74-7,2011
2. Qassim Nasir, " MIMO Aware Mobile Ad Hoc Networks", Chapter in "Advanced MIMO Systems," Scientific Research Publishing (SRP), Editors: B. Zhou & K. Raoof, 2009
3. S. Harous, M, Q. Nasir . ""Routing Algorithms for Mobile Ad hoc Networks", a chapter in the Handbook of Research in Mobile Multimedia, 2nd edition 2008, (<http://www.igi-global.com/reference/details.asp?ID=8219>).

REFEREED CONFERENCE AND WORKSHOP PROCEEDING PUBLICATION:

1. Meriem Bettayeb, Omnia Abu Waraga, Manar Abu Talib, Qassim Nasir, Omar Einea, "IoT Testbed Security: Smart Socket and Smart Thermostat", 2019 IEEE Conference on Application, Information and Network Security (AINS), 18-23.
2. Jasim Al Ali, Qassim Nasir, Fikri T Dweiri, Business Continuity Management Framework of Internet of Things (IoT), 2019, 2019 Advances in Science and Engineering Technology International Conferences (ASET)
3. A. M. Darya , H. Vakani , Qassim Nasir, "Error Control Codes for Molecular Communication Channels: A Survey", International Conference On Communications, Signal Processing, And Their Applications. American University Of Sharjah, UAE, March 19-21, 2019
4. Meriem Bettayeb , Sara Ghunaim ,Nour Mohamed , Qassim Nasir , "Error Correction Codes in Wireless Sensor Networks: A Systematic Literature Review ", International Conference On Communications, Signal Processing, And Their Applications. American University Of Sharjah, UAE, March 19-21, 2019
5. Douae Nouichi, Mohamed Abdelsalam, **Qassim Nasir**, Sohail Abbas, "IoT Devices Security Using RF Fingerprinting", 2019 International Conference on Internet of Things, Mechatronics and their Applications - 2019 Advances in Science and Engineering Technology (ASET) International Conferences - 2019 Advances in Science and Engineering Technology (ASET), Dubai 26th to 28th March 2019.
6. Mohammed Al-Haidary, **Qassim Nasir** , "Physically Unclonable Functions (PUFs): A Systematic Literature Review", 2019 International Conference on Internet of Things, Mechatronics and their Applications - 2019 Advances in Science and Engineering Technology (ASET) International Conferences - 2019 Advances in Science and Engineering Technology (ASET), Dubai 26th to 28th March 2019.
7. Meriem Bettayeb, Qassim Nasir, Manar Abu Talib, " Firmware Update Attacks and Security for IoT Devices: Systematic Literature Review ", 6th ArabWIC Conference,, March 7th and March 9th, in Rabat, Morocco, 2019.
8. Ilham A Qasse, Manar Abu Talib, Qassim Nasir, "Inter Blockchain Communication: A Survey", 6th ArabWIC Conference,, March 7th and March 9th, in Rabat, Morocco, 2019.
9. Ali Bou Nassif, Omar Mahdi, Qassim Nasir, Manar Abu Talib, Mohammad Azzeh, "Machine Learning Classifications of Coronary Artery Disease", The 13th International Joint

Symposium on Artificial Intelligence and Natural Language Processing, Nov 15, 2018 - Nov 17, 2018, Pattaya, Thailand

10. Nafisa A, M Abu Talib, Q. Nasir, " Program-flow attestation of IoT systems software", 2018 15th Learning and Technology Conference (L&T), pp. 67-73. Jeddah, Saudi Arabia, 25-26 Feb. 2018
11. Ahmed Alketbi, Q. Nasir, M. Abu Talib, "Blockchain for government services—Use cases, security benefits and challenges"), pp. 112-119 ,Jeddah, Saudi Arabia, 25-26 Feb. 2018
12. **Qassim Nasir**, "Patch antenna performance improvement using circular slots", 2017 International Conference on Wireless Networks and Mobile Communications (WINCOM) Pages: 1 – 5, 1-4 Nov, 2017, Rabat, Morocco, Morocco
13. Alya Al-Hafri; Hamda Ali; Amer Ghias; **Qassim Nasir**, "Transformer-less based solid state transformer for intelligent power management" 2016 5th International Conference on Electronic Devices, Systems and Applications (ICEDSA).Year: 2016,Pages: 1 – 4
14. Hanan Alobaidli , **Qassim** Nasir , Asif Iqbal , Mario Guimaraes , "Challenges of Cloud Log Forensics" Proceeding ACM SE '17 Proceedings of the South East Conference Pages 227-230 , Kennesaw, GA, USA — April 13 - 15, 2017
15. Ahmed O Abdul Salam; Ray E. Sheriff, Saleh R. Al-Araji; Kahtan Mezher ;Qassim Nasir;,"Assessment on Using Multitaper and Higher-Order STBC Techniques for Spectrum Estimation in Cognitive Radio", The 2017 IEEE 86th Vehicular Technology Conference will be held 24–27 September 2017 in Toronto, Canada, pp. 1-6.
16. Ahmed O Abdul Salam; Saleh R. Al-Araji; Qassim Nasir; Kahtan Mezher; Ray E. Sheriff,"A general perspective on software-hardware defined cognitive radio based on emergency ad-hoc network topology", Humanitarian Technology Conference - (IHTC), 2014 IEEE Canada International,Year: 2014, Pages: 1 - 6, DOI: 10.1109/IHTC.2014.7147521
17. Ahmed O. Abdul Salam; Ray E. Sheriff; Saleh R. Al-Araji; Kahtan Mezher;Qassim Nasir, "An overview on non-parametric spectrum sensing in cognitive radio", Computer Engineering & Systems (ICCES), 2014 9th International Conference on Year: 2014 Pages: 14 - 19, DOI: 10.1109/ICCES.2014.7030919 IEEE Conference Publications
18. Ahmed O. Abdul Salam, Ray E. Sheriff, Saleh R. Al-Araji, Kahtan A. Mezher, Qassim Nasir: "Automatic Modulation Classification in Cognitive Radio Using Multiple Antennas and Maximum-Likelihood Techniques", 15th IEEE International Conference on Computer and Information Technology, CIT 2015; 14th IEEE International Conference on Ubiquitous Computing and Communications, IUCC 2015; 13th IEEE International Conference on Dependable, Autonomic and Secure Computing, DASC 2015; 13th IEEE International Conference on Pervasive Intelligence and Computing, PICom 2015, Liverpool, United Kingdom, October 26-28, 2015. IEEE 2015, ISBN 978-1-5090-0154-5: 1-5
19. Ahmed O. Abdul Salam, Ray E. Sheriff, Saleh R. Al-Araji, Kahtan A. Mezher, Qassim Nasir: A unified practical approach to modulation classification in cognitive radio using likelihood-based techniques. IEEE 28th Canadian Conference on Electrical and Computer Engineering, CCECE 2015, Halifax, NS, Canada, May 3-6, 2015. IEEE 2015, ISBN 978-1-4799-5827-6: 1024-1029
20. Ahmed O. Abdul Salam, Ray E. Sheriff, Saleh R. Al-Araji, Kahtan A. Mezher, Qassim Nasir: Multi-taper and MIMO techniques for spectrum sensing in cognitive radio. 2015 IEEE International Conference on Electronics, Circuits, and Systems, ICECS 2015, Cairo, Egypt, December 6-9, 2015. IEEE 2015, ISBN 978-1-5090-0246-7: 173-178

21. Houcem Gazzah, Qassim Nasir, "Multiple Antenna System for Smart Base Stations with Adaptive Direction of reception" 2015 IEEE International Black Sea Conference on Communications and Networking. May 18-21 2015 in Constanta, Romania, pp. 162-165.
22. Zahraa A. Al-Mousa, Qassim Nasir," cl-CIDPS: A Cloud Computing Based Cooperative Intrusion Detection and Prevention System Framework", International Conference on Future Networks Systems and Security 2015 ('FNSS 2015') , June 11-13, 2015 Paris, France, pp. 181-194.
23. Qassim Nasir, Kahtan A. Mezher" Time to Digital Conversion Zero Crossing DPLL (TDC-ZCDPLL)", 2015 International Conference on Information and Communication Technology Research (ICTRC2015), Abu Dhabi, UAE
24. Ahmed O. Abdul Salam, Saleh R. Al-Araji, Qassim Nasir ,Kahtan A. Mezher, Ray E. Sheriff, : "A general perspective on software-hardware defined cognitive radio based on emergency ad-hoc network topology", Humanitarian Technology Conference - (IHTC), 2014 IEEE Canada International, 1-4 June 2014,pp 1-6, Montreal, QC.
25. Ahmed O. Abdul Salam, Ray E. Sheriff, Saleh R. Al-Araji, Kahtan A. Mezher, Qassim Nasir: "An Overview on Non-Parametric Spectrum Sensing in Cognitive Radio", The 9th IEEE International Conference on Computer Engineering and Systems (ICCES 2014), At Cairo, Egypt, DOI: 10.1109/ICCES.2014.7030919 , pp. 14-19, Dec. 2014.
26. Qassim Nasir, Zahraa A. Al-Mousa "Honeypots Aiding Network Forensics: Challenges and Notions", The 15th International Conference on Advanced Communications Technology, ICCNS 2013, Nov 16-18 2013, London, UK, pp. 700-707.
27. Saleh Al-Araji , Khatan Mezher, and Qassim Nasir "First-Order Digital Phase Lock Loop with Continuous Locking", CICSyN2013, 5th International Conference on Computational Intelligence, Communication Systems and Networks, pp. 414-417, Madrid, 5-7 June 2013
28. Zahra Al Mousa, Qassim Nasir, "Honeypots Aiding Network Forensics: Installation and Analysis within the UAE", The UAE Forum on Information and Communication Technology Research 2013 (ICTRF2013), May 12-13, 2013, Abu Dhabi, UAE
29. Hanan Al-Obaidli, Qasim Nasir "Network Infrastructures Aiding the Investigations of Network Forensics, ", The UAE Forum on Information and Communication Technology Research 2013 (ICTRF2013), May 12-13, 2013, Abu Dhabi, UAE
30. Houcem Gazzah, Qassim Nasir, "Enhanced Soft Decoding of Multi-Carrier Systems for Delay Sensitive Applications", The 15th International Conference on Advanced Communications Technology, ICACT 2013, Jan 27-30 2013, Phoenix Park, PyeongChang, S. Korea
31. Qassim Nasir, Enas Khalil, " Perception Based Adaptive Haptic Communication Protocol (PAHCP)", The 1st IEEE International Conference on Computer Systems and Industrial Informatics (ICCSII'12), 18-20 Dec 2012, Dubai , UAE
32. Hadi Abduleedha, Qassim Nasir , "Low Complexity High Security Image Encryption Based on Nested PWLCM Chaotic Map", The 6th International Conference for Internet Technology and Secured Transactions (ICITST-2011) , 11-14 December 2011, PP.220 – 225, Dubai , UAE.
33. Qassim Nasir, Kasim Rashid, "Predictive FBLMS Adaptive Algorithm for Tracking Mobile Channels", First International Conference on Future Communication Networks (ICFCN-2012), Baghdad, Iraq, April 3-5, 2012.

34. Alothman T., Kamel K., Danan Y., Nasir Q., "Mobile Based Arabic Sign Language Interpreter using Fuzzy Trees ",Fourth Annual Conference on Undergraduate Research on Applied Computing (URC2012). April 18 - 19, 2012.
35. Kamel K., Alothman T.,Danan Y., Nasir Q.,"Instrumented Arabic Sign Language Interpreter on Android platform", The Eighth International Conference on Innovations in Information Technology (Innovations'12). March 18 - 20, 2012
36. Qassim Nasir, Saleh Al-Araji, "Performance Evaluation of Sigma Delta Zero Crossing DPLL", The IEEE International Conference on Electronics, Circuits, and Systems (ICECS) 2011, Beirut, Lebanon, December 11-14, 2011
37. Qassim Nasir, Asmaa Abid, and A. S. Elwakil," Experimental validation of Pseudo True Random Number Generation and Synchronization using Nested Linear Chaotic Maps based on TMS320C6416", 1st International Conference on Pervasive and Embedded Computing and Communication Systems , Algarve, Portugal 2011.
38. Qassim Nasir, and Malli Ab-Balt," Linux-based Testbed for an improved IEEE 802.11 backoff algorithm", 2010 IEEE International Conference on Communications and Mobile Computing CMC2010, Shenzhen, China, April 12-14, 2010
39. Asmaa Abid, Qassim Nasir and A. S. Elwakil," Implementation of a Chaotically Encrypted Wireless Communication System", International Conference on Communications 2009 (ICC'09), June 14-18,, 2009, Dresden – Germany
40. Qassim Nasir, Maali Albalt, "A novel Backoff algorithm for IEEE 802.11 Networks", The 2009 International conference On Networking, Sensing and Control, Okayama City, Japan, March 26-29, 2009
41. Qassim Nasir, Maali Albalt, History Based Adaptive Backoff (HBAB) IEEE 802.11 MAC Protocol", Communication Networks and Services Research Conference, 2008. CNSR 2008. 6th Annual, May 2008 , pp 533-538, Halifax, NS, Canada
42. S.Harous, M. Aldubai, Q. Nasir, "Performance Analysis of An Energy Aware Multi-path Routing Algorithm for Mobile Ad Hoc Networks", International Conference on Computer Integrated Manufacturing CIP'2007, November, 03 – 04, 2007 Setif, Algeria
43. Rashida Hashim, Qassim Nasir, , and Saad Harous, " Congestion Aware Multi-path Dynamic Source Routing Protocol (CAWMP-DSR) for Mobile Ad-Hoc Networks", accepted in International Conference on advances in Mobile computing and Multimedia (MoMM2007)
44. Qassim Nasir, Saleh R. Al-Araji, " Performance Zero Crossing DPLL With ARC Sine", ICC'08 - Wireless Communications Symposium.
45. S. Harous, M. Al-Dubai, Q. Nasir, "An Energy Aware Multi-Path Routing Algorithm", International Conference on Communication, Computer and Power (ICCCP'07), pp. 15-20, Muscat, Oman, February 19-21, 2007.
46. R. Hashim, Q. Nasir, Saad Harous, "Adaptive Multi-path QoS Aware Dynamic Source Routing Protocol For Mobile Ad-Hoc Network", Innovations in Information Technology IIT2006, ISBN: 1-4244-0674-9, pp. 1-5 , Dubai, UAE, November 19-21, 2006.
47. Qassim Nasir, "Adaptive ZCDPLL for Quadrature-Quadrature PSK Carrier Recovery", accepted in 2006 IEEE Asia Pacific Conference on Circuits and Systems- APCCAS2006, Singapore, 4-7/12/2006.
48. Qassim Nasir and Saleh R. Al-Araji " Performance Analysis of the ZCDPLL in faded mobile channels", UAE Forum in Telecommunication Research 2006

49. NG Lessan, A Abdullah, H AlMousavi, Q Nasir & S Athamneh "Utility of continuous glucose monitoring (CGMS) to explore Glycemic patterns in patients with diabetes mellitus in the UAE", 8th European congress Of Endocrinology 1-5 April 2006, Glasgow, UK
50. Qassim Nasir, Mohamed Al-Dubai, and Saad Harous, "A Performance Study of DSR under different Wireless Channel Models" The Third International Conference on Advances in Mobile Multimedia (MoMM2005), pp. 283-289, sep. 19-21, 2005
51. Qassim Nasir and Saleh R. Al-Araji "Extended Locking range DTL using Chaos Techniques", Tencon '05 - IEEE Region 10 Conference Melbourne, Australia, Nov 21-24, 2005,
52. Qassim Nasir, "Adaptive ZCDPLL for QPSK detection", 12th IEEE International Conference On Electronics, Circuits and Systems , Gammath, Tunisia, December 11-14th, 2005.
53. Qassim Nasir, "Chaotic behaviour of First Order Time Delay Digital Tanlock Loop ", International conference: Sciences of Electronic Technologies of Information and Telecommunications, Tunisia March 27-31, 2005.
54. Qassim Nasir, "Chaotic behaviour of First Order Zero Crossing Digital Phase Locked Loop" , 2004 IEEE Asia-Pacific conference on Circuits and systems (APCCAS 2004)- Tainan , Taiwan , Dec 6-9 2004.
55. Qassim Nasir, Saleh R. Al-Araji " Optimum Zero Performance Zero Crossing Phase Locked Loop Using Multi-sampling Technique " International Conference on Electronic , Circuits and Systems 2003 ,University of Sharjah – UAE , Dec 15-17 , 2003.
56. Qassim Nasir , " Hashed Digital Watermark phase Coding performance " (International Arabic Conference On Information Technology) ACIT2003, Alexandria – Egypt Dec 20 - 23 /2003
57. Qassim Nasir "Integration Of SNMP and Jini Mobile Network management "(International Arabic Conference On Information Technology) ACIT2002, University of Qatar, Doha-Qatar
58. Qassim Nasir " Networked Collaborative Learning ", Second forum on Engineering Education, Sharjah March 2002
59. Syed Faisal Ali Shah and Qassim Nasir, ""Tracking of mobile fading channels by predictive type RLS algorithm" ISWSN'03 (International Symposium on Wireless Systems and Networks) , March 24-26, King Fahd University Of petroleum and Minerals, 2003
60. Qassim Nasir , Abdulla Serkot , " Improved estimators for voice band radio link" , 1997 International symposium on radio propagation , Qingdao , China
61. Nasir , Q.M., and Al-Araji, S. R., "Noise Effects on Second Order Zero Crossing Digital Phase Locked Loop," J. of Electronics and Computers Research, Vol.2, No.1, April 1988.
62. Nasir , Q.M., and Al-Araji, S. R., "Analysis and Design of A Second Order Zero Crossing Digital Phase Locked Loop in the Absence of Noise," J. of Electronics and Computers Research, Vol.1, No.2, October 1987.
63. Nasir , Q.M., and Al-Araji, S.R., "Microprocessor Based Predictive Adaptive Digital Filter In The Presence of Different Types of Noise," Proceedings of the IASTED International thesi15-17, 1987.
64. Nasir , Q.M., and Al-Araji, S.R., "A Second Order Adaptive Zero Crossing Digital Phase Locked Loop Operating in Noisy Environment," Proceedings of the International Symposium on Signal Processing and its Application, Brisbane, Australia, August 24-28, 1987.

TECHNCAL REPORTS:

1. Qassim Nasir , “Fast Retrain algorithm and state machine structure for MAUI chip Glite ADSL High speed Modem”, 2000
2. Qassim Nasir ,”Profile Matching and aging of channel signature for Fast retrain of Glite ADSL High Speed Modem “.
3. Qassim Nasir ,” Control Specification for MAUI chip ADSL modem “ , 2000
4. Qassim Nasir , “OC48 Alarms restructure “ , Technical Report, Nortel Networks , 1999
5. Qassim Nasir , “Performance of pSOS real time operating system for SONET Network Element “ , Technical Report, Nortel Networks , 1999 .
6. Qassim Nasir , “Slot Based File structure For High Rate SONET Network Element (OC48 and OC192) “ , Technical Report, Nortel Networks , 1999
7. Qassim Nasir , “CMIS vs. SNMP for Managing SONET Equipments “ , Technical Report, Nortel Networks , 1998
8. Qassim Nasir , “SNMP protocol for Metro Optical Networks “ , Technical Report, Nortel Networks , 1998.

PROFESSIONAL QUALIFICATIONS

Attended Conference, Workshops, training programs

- The 4th International Cyber Crimes Conference 14/12/2011 , Dubai , UAE
- CISSP training workshop , Dubai 2011.
- CISCO training for trainers, American University Of Sharjah, 2009, UAE

Conference and Workshop Organization

- Organizing Member of IEEE GCC Conference 2011, Dubai 2011.
- Vice chair and IT Committee Chair in International Conference On Micro Electronics Sharjah 2008 ICM2008. (2008)
- Logistic Committee Chair in ISSPA07 (International Signal and System Processing – Sharjah 2007). (2007)
- Refereeing manuscripts for the "**University of Sharjah Journal of Pure and Applied Sciences**" (PAS Journal), Published by the University of Sharjah.

Editing and Reviewing Activities

- Reviewer for "IEEE Transactions on Industrial Informatics"
- Reviewer for "IEEE Access"
- Reviewer, Wireless Personal Communications, **Springer** Publication
- Reviewer, Journal of Network and Computer Application, **Elsevier** Publication
- Reviewer for ISSPA, WOSPA, ICM2008, ICECS2011, and many others.
- Reviewer and Examining Committee for international PhD theses

Education Activities

- Chair of ABET committee for ECE - 2017
- Chair of **The Southern Association of Colleges and Schools Commission on Colleges (SACS-CoC)** 2011
- Member of ABET accreditation Committee 2009 – 2016
- Member of **IEM Accreditation** Committee (2006-2007)
- Staffing Committee for CPE, and IEM , CV screening, conducting telephone and face-to-face interviews, and making hiring recommendations. (2006-2008)
- Member of **Continued Education and Community Service (CCE)** for University Of Sharjah (2003-2006)
- Department Advisory Committee Meeting Coordinator 2007
- Member, "**Accreditation Committee**" (Department of ECE, University of Sharjah) (2004, and 2007).
- Member, "**Graduate Committee**" (Department of ECE, University of Sharjah) (2004 - 2007).
- Graduate Student Advisor (2005-2011)
- Member of UoS Cisco Academy (2007 - Now)

Administration Activities

- Chairman of Scientific Publishing department – UoS – 2018- Now
- Chairman of Electrical and Computer Engineering (ECE) - UoS, 2016- 2018
- Chairman of Research Funding department - UoS– 2014-2016
- Acting Dean Of College Of Engineering, University Of Sharjah - UoS, Summer 2011.
- Assistant to **Electrical and Computer Engineering** (ECE) Department (2006- Present)
- **Computer Engineering Program** Coordinator (CPE) 2007-2009
- Member of **Industrial Engineering Management** (IEM) Department committee.
- Member of college council (2007-2009)
- Member of the “**Research Committee**” (University of Sharjah) (2002-2011).
- Chairman, “**Equipment Committee**” (University of Sharjah) (2006-2008).
- Member, **Research Group** of Signal Processing (2005 - Present).
- Member, “**Research Committee**” (Department of ECE, University of Sharjah) (2003 - 2007).
- Member, “**Recruitment Committee**” (Department of ECE, University of Sharjah) (2006, 2007).
- Member, “**Seminar's Committee**” (Department of ECE, University of Sharjah)(2002 - 2005).

Industrial Activities:

- Juniper Associate 2016 – Now
- CISSP – 2013- 2019
- Project leader for **ADSL Modem Firmware** at NORTEL Networks – Canada. (1999-2001)
- Project Leader for **OC-12 express (optical switch)** at NORTEL Networks – Canada (1998-1999)
- Project Leader for **OC-192 express (optical switch)** at NORTEL Networks – Canada (1996-1998)
- Project Leader for **Physical Router Management Software** at Prior Data Sciences – Canada (1996-1996)
- Operation Manager for many computer centers **at Iraqi Ministries** such as Ministry of Finance, Ministry of Housing and constructions. (1978-1996)
- Project leader for **computerized irrigations system** in DIALA – Iraq. (1991-1994)

INVITED TALKS:

1. SecureDubai Conference, 17th November 2014, “Cloud Computing, Intrusion Detection and Prevention System”
2. “e-automation”, IEEE exhibition , Women Association Center, Dubai, 6/6/2006.
3. “SONET and OSI” Canada, 1997
4. "Industrial Network Protocols", Sharjah , 2009

SAMPLE OF SEMINARS:

1. “Chaos application in Encryption” 2009
2. “Labview and G-programming”, Sept 2006, UoS.
3. “MANET simulation”, March 2006, UoS.

4. "Basic of wireless networks", April 2006.
5. "Water Marking", Oct. 2005.

ENGINEERING and SOFTWARE EXPERIENCE

1. Scikit Learn AI tools using Python.
2. CISSP – Security Professional
3. IoT Test Bed
4. Block chain security
5. OpenHaptic API and Omni devices
6. Network Simulation using ns-2, QualNet, and Glomosim.
7. Instrumentation simulation using LabView,
8. Wireless system development Kit using Chipcon
9. DSP programming of Texas Instrument TMS systems.
10. Electrical and Electronics design using Pspice and Orcad.
11. Many Programming Languages such as Intel assembly language, C, C++, C#, Java, and Java for Mobile phones and PDAs
12. Experience with Real Time Operating systems such pSOS, Symbian, Windows CE, Android Mobile Operating system).
13. PLC Ladder programming
14. PIC Microcontroller Programming – Micro C.

LANGUAGES

Fluent in English, Arabic, Good knowledge of German; Some knowledge of French.