

Qurban Ali M., Ph.D.

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EE Department, College of Engineering, UAE University, 17555, Al-Ain UAE

Personal Resources

Related Education; Team-oriented Profile; Professional Experience; Active Researcher

Brief Biography

Qurban A Memon has contributed at levels of teaching, research, and community service in the area of electrical and computer engineering. He has authored/co-authored ninety two publications over a period of about eighteen years of his academic career. Additionally, four book chapters: “1. *Intelligent Network System for Process Control: Applications, Challenges, Approaches*, in a book titled ‘Robotics, Automation and Control’, ISBN 978-953-7619-39-8, 2009; 2. *RFID for Smarter Healthcare Collaborative Network*, in a book titled ‘Building Next-Generation Converged Networks: Theory and Practice’, CRC Press, 2012; 3. *Secured and Networked Emergency Notification Without GPS Enabled Devices*, in a book titled ‘Bio-inspiring Cyber Security and Cloud Services: Trends and Innovations, Springer, 2014; 4. *Authentication and Error Resilience in Images Transmitted through Open Environment* in a book titled ‘Handbook of Research on Security Considerations in Cloud Computing’ have been published. He also have edited a book titled ‘*Distributed Network Intelligence, Security and Applications*’, published by CRC press, 2013. Recently, his research project undertaken by UAE-U students won *CURA-2009 award*. During the academic years, he has served as a teacher, team member and a researcher at various institutions. *For last nine consecutive years, his research contributions have been rated as excellent at UAE University, Al-Ain*. He has executed research grants and development projects in the area of microcontroller based systems; and networks. He has served as a reviewer of many international journals and conferences; and session chair at various conferences. His research interests include intelligent systems and networks.

Twelve times during academic career, his teaching has been rated as excellent. Two times he was awarded “Best Graduate Teaching Assistant Award” at University of Central Florida, Orlando USA. He has served as Associate Professor for BSc and MSc (Computing) Program of University of Huddersfield, UK, and currently as Associate Professor for digital systems focus of electrical engineering program of UAE University, Al-Ain.

Qurban has served as a leader and a member of various committees within units of academic community. The service contribution includes *Member, University General Education Committee; Secretary EE Council; Head of Computer Focus group; Head of Research Committee of EE Department; EE Text book coordinator; Member of EE Graduate Program Committee, Member of Research committee at College of Engineering; Peer Evaluation of Teaching (PET), College of Engineering; Member EE Faculty Peer Evaluation; Member of Curriculum Committee; Industrial advisor of students, Advising registered students; Project supervision; Editorial board member and Reviewer for various relevant professional journals and conferences; Session chair at professional conferences etc*. He takes interest in motivating students for participating and presenting research in student conferences. His profile is multidisciplinary in engineering and sciences in terms of curriculum and systems development; teamwork at institutional level; participation at various levels in international conferences and forums. *His service has been rated as excellent four times*.

Qurban has an industrial experience of five years (1997-1991) working as an engineer to install, test and commission telecom and embedded systems equipment purchased from Ericsson (and ABB Oslo, Norway). For this purpose, he received six months practical training at manufacturer’s facilities at Oslo, Norway.

Qurban received Ph.D. (1996) in electrical and computer engineering from University of Central Florida, US, M.S. (1993) from University of Gainesville, Florida US.

Resume Summary:

Education:

Ph.D. University of Central Florida 1996, USA (GPA 4.0/4.0)

M.S. University of Florida, Gainesville 1993, USA

Research Interests: Networks, Intelligent Systems

- **Publications:** One book edited, Four book chapters, 87 research papers in Internationally refereed Journals and Conferences

Current Job Description:

- Teaching BS/MS programs of UAE University; Member of University General Education Committee; Head of EE Research Committee; Member of Computer Focus group; Member Department Council; Project Supervision at BS level; Student advisement for registration and industrial training

Professional Experience:

- **General Exposure:** Multidisciplinary in engineering and sciences in terms of curriculum and systems development; teamwork at institutional level; participation at various levels in international conferences and forums
- **Teaching: 19 years** (Seminole Community College, Florida USA, GIK Institute Topi, Pakistan, Hamdard University, Pakistan; Karachi Institute of Information Technology; currently @ UAE University, UAE for last nine years)
- **Industrial: 5 years – 1987-1991** (Civil Aviation Authority Pakistan: 1987-88), WAPDA Telecom Deptt. 1988-1991); Attended ABB Corporation's training at Oslo, Norway in 1988 for six months on telecom and embedded equipment and systems
- **Administrative:**
 - o Two years as Deputy Director, Graduate School of Engineering Sciences and Technology, Hamdard Institute of Information Technology, Pakistan
 - o Two year as MS (computing) Pathway Leader, Karachi Institute of Information Technology in Collaboration with University of Huddersfield, UK
- **Research Grants/Projects Experience:**

Major Projects Completed:

 - o **Principal Investigator:** *Embedding Authentication in JPEG2000 Images Transmitted through Noisy Channel, (Grant No. 21N151-EE-2013, UAEU); 2012-2013*
 - o **Co-Investigator:** *Intelligent Vehicle-Road System Using Wireless Sensor Networks, External funding: Emirates foundation*
 - o **Principal Investigator:** *Emergency Alert and Navigation in Absence of GPS Systems, (Grant No. 01-04-7-11/12, UAEU); 2011-2012*
 - o **Principal Investigator:** *Image Identification in Heterogeneous Camera Sensor Network, (Grant No. 01-04-7-11/07, UAEU); 2009-2010*
 - o **Co-Investigator:** *Automatic Vehicle License Plate Identification for UAE Traffic Control, Funding: UAE University*
 - o **Principal Investigator:** *D-RFID: Distributed RFID Adhoc Network of Transponders in Process Control Communications (Grant No. 01-04-7-11/07, UAEU); 2006-2007*
 - o **Principal Investigator:** *Role Management for Access Security using Self Organizing and Hierarchical Clusters (Grant No. 03-04-7-11/06, UAEU) – 2005-2006*
 - o **Co-Investigator:** *Customized Design, Development and Implementation Aspect of Process Control (Grant No. 04-04-7-11/06, UAE) – 2005-2006*
 - o **Project Director:** *Development of Hamdard Education Net (completed this project worth of 4 million Pak Rupees within 18 months) – 1999-2001*
 - o **Academy Administrator:** *Establishment of Regional Cisco Network Academy, Hamdard University (completed this project worth of 2.1 million Pak Rupees within 10 months) – 1998-2000*
 - o **Project Director:** *Radio Link Design and Development between Hamdard University and Taj Medical Complex (completed this project worth of 1.8 million Pak Rupees within six months) – 1998*

- o **Project Team member:** Design and Implementation of “*Automated Toll Collection system for National Highway Authority, Pakistan*”, 1997.

Projects under execution:

- o **Principal Investigator:** *Image Data Encryption using Combination of Wavelets and Neural Networks, Funding by UAEU*

Detailed CV

Teaching

Experience:

- Associate Professor, **UAE University, Al-Ain** (September 2004 – to-date)
- Associate Professor, **Karachi Institute of Information Technology in Collaboration with University of Huddersfield, UK** (September 2001 – July 2004)
- Associate Professor, **Hamdard Institute of Information Technology** (July 1998 – August 2001)
- Assistant Professor, **Faculty of Electronic Engineering and Computer Systems, GIK Institute of Engineering Sciences and Technology**, Pakistan (Jan. 1997- Jun. 1998)
- Adjunct Professor, **Seminole Community College, Orlando, US** (August 1996-December 1996)

Major Courses Taught:

Data Communications, Digital Logic Design, Microprocessors, Computer Architecture, Signals & Systems, Artificial Neural Network, Image Processing & Computer Vision, Electric Circuits

Developments:

- Conducted workshop on “*Microcontrollers & Robotics*” for UAEU EE engineering students (2010)
- Conducted workshop on “*Practical Approach to use of Microprocessors and Microcontrollers*” for UAEU EE engineering students (2009)
- Developed Microprocessors course and its Lab for EE department, UAE University (2006)
- Prepared Laboratory manual for Electronics-I course at National University of Computer & Emerging Sciences, (2004)
- Prepared Laboratory manual for Communication Systems course at GIK Institute, Topi, (1997)
- Prepared feasibility of "Center of e-Learning" for Karachi Institute of Information Technology (2001)
- Short course conducted: ‘Building Computer Networks for Broadcasting’, for Television Corporation, July 26-28, 1997.

Selected BS/MS Projects/Thesis supervised:

MS Thesis/Projects

- Designing Eye Tracking Algorithm for Partner-Assisted Eye Scanning Keyboard (2014-2015)
- Integration of Wireless Sensor Networks and Online Social Networks (2013-2014)
- Robust Transmission of Images Based on JPEG2000 Using Edge Information (2011)
- Development of Risk-Based Capital calculation system (2004)
- Disaster Management & Recovery Planning System (2003)
- A Signature Verification System (2002)
- Sales Data Analyzer (2001)
- Mobile City Guide – The WAP Portal System (2001); Student Name: Mohyuddin; He is currently pursuing PhD at a UK based University
- Development of Network Security System on Windows-98 Platform (2000)
- Network Security using Chaos (2000); Student Name: Zahid Ali; He is currently pursuing PhD at King Fahad University of Petroleum & Minerals, Saudi Arabia.
- Task Scheduler (2000)
- Curve Editing through Wavelets (for fonts design; Other applications in Computer Graphics) (1999)
- Wireless ISP Design Considerations (1999)
- On line Image Processing and Archiving System – A medical application (1998)
- Study and Simulation of Interactive video (1998)
- Firewall and Virtual Private Networks – A Security Solution to Corporate Networks (1998)

BS Thesis/Projects

- Online Security System for Shared Areas (2012-2013)
- Image Retrieval in Camera Sensor Networks (2012)
- Protection System for Elderly [Microcontroller-with-Sensors based Solution, 2012]
- User Specific Temperature Control Conditioning Device [a microcontroller based solution, 2011]
- Emergency Alert and Rescue System [a network based solution, 2010];
- RFID-enabled Patient Tracking in Hospitals [a Sensor based solution]; Won Award as being one of the best projects in CURA 2009 Conference
- Parking Area Monitoring System (2007) [a Sensor based solution]
- Wireless Intercom (UAE Range), (2006) [a microcontroller based solution]
- Wi-ECG – Wireless ECG (2005) [a microcontroller based solution]
- BlueCare - The Child Monitoring System (2004) [a microcontroller based solution]
- Homicide Analysis using Neural Networks (2003)
- Voice Command Activated Calculator (2003)
- Integrated Supply Chain Management System (2003)
- Voice to Text SMS Service (2002)
- City Wide WAP Based Hotel Reservation System (2002)
- Online Research Papers Submission Tool (2002)
- Interactive network Analyzer (2002)
- Blueprints2ThreeD (2001)
- Call-O-Matic – Integrated services network for voice and data based on user preferences (2001)

Teaching Awards and Ratings:

- 2011-2013: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2010-2011: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2009-2010: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2008-2009: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2007-2008: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2006-2007: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2005-2006: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2004-2005: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 1998: Excellent Teacher rating from GIK Institute of Engineering Sciences and Technology, Pakistan
- 1995-1996: Best Graduate Teaching Assistant award during Ph.D. program at School of Electrical and Computer Engineering, University of Central Florida, USA
- 1994-1995: Best Graduate Teaching Assistant award during Ph.D. program at School of Electrical and Computer Engineering, University of Central Florida, USA
- 1991-1996: Highest national (Quaid-e-Azam) Scholarship awarded by Ministry of Education, Pakistan for Ph.D. program to be pursued at US University
- Gold Medal: Awarded on securing highest rank in graduating batch of 1986
- Merit Scholar (Pakistan President Scholarship scheme) throughout Bachelor's Degree program (1982-1986) at Mehran University of Engineering & Technology, Pakistan

Scholarship

Research Grants and projects:

Completed:

- **Principal Investigator:** *Embedding Authentication in JPEG2000 Images Transmitted through Noisy Channel*, (Grant No. 21N151-EE-2013, UAEU); 2012-2013
- **Co-Investigator:** *Intelligent Vehicle-Road System Using Wireless Sensor Networks*, External funding: Emirates foundation
- **Principal Investigator:** *Emergency Alert and Navigation in Absence of GPS Systems*, (Grant No. 01-04-7-11/12, UAEU); 2011-2012
- **Principal Investigator:** *Image Identification in Heterogeneous Camera Sensor Network*, (Grant No. 01-04-7-11/07, UAEU); 2009-2010
- **Co-Investigator:** *Automatic Vehicle License Plate Identification for UAE Traffic Control*, Funding: UAE University
- **Principal Investigator:** *D-RFID: Distributed RFID Adhoc Network of Transponders in Process Control Communications* (Grant No. 01-04-7-11/07, UAEU); 2006-2007
- **Principal Investigator:** *Role Management for Access Security using Self Organizing and Hierarchical Clusters* (Grant No. 03-04-7-11/06, UAEU) – 2005-2006
- **Co-Investigator:** *Customized Design, Development and Implementation Aspect of Process Control* (Grant No. 04-04-7-11/06, UAE) – 2005-2006
- **Project Director:** *Development of Hamdard Education Net* (completed this project worth of 4 million Pak Rupees within 18 months) – 1999-2001
- **Academy Administrator:** *Establishment of Regional Cisco Network Academy, Hamdard University* (completed this project worth of 2.1 million Pak Rupees within 10 months) – 1998-2000
- **Project Director:** *Radio Link Design and Development between Hamdard University and Taj Medical Complex* (completed this project worth of 1.8 million Pak Rupees within six months) – 1998
- **Project Team member:** *Design and Implementation of “Computerized Toll Collection system for National Highway Authority, Pakistan”*, 1997.

Projects under execution:

- o **Principal Investigator:** *Image Data Encryption using Combination of Wavelets and Neural Networks*, Funding by UAE University

Publications (Total 92 published)

Edited Books:

1. Qurban Memon, *Distributed Network Intelligence, Security and Applications*, Taylor and Francis, CRC Press, 2013.

Book Chapters:

2. Qurban Memon, “Authentication and Error Resilience in Images Transmitted through Open Environment”, *Handbook of Research on Security Considerations in Cloud Computing*, IGI-Global, 2014.
3. Qurban Memon, “Secured and Networked Emergency Notification Without GPS Enabled Devices”, *Bio-inspiring Cyber Security and Cloud Services: Trends and Innovations*, pp. 541-563, Springer, 2014
4. Qurban Memon, “Smarter Healthcare Collaborative Network,” *Building Next-Generation Converged Networks: Theory and Practice*, CRC Press, 2013.
5. Qurban Memon, “Intelligent Network System for Process Control: Applications, Challenges, Approaches” Published in a book titled “*Robotics, Automation and Control*”, ISBN 978-953-7619-39-8, 2009.

Journal Publications:

6. Qurban Memon, Asma Fayes Mustafa, “Exploring mobile health in a private online social network”, *International Journal of Electronic Healthcare*, Vol. 8, Issue 1, 2015, pp.51-75

7. Qurban Memon, Asma Fayes, Mustafa, "Investigating Privacy Preserving Healthcare Social Network", *Transactions on Networks and Communications*, Vol. 3, No 2 (2015), pp. 43-59
8. Shakeel Laghari, and Qurban Memon, "Identification of Faulty BGA Solder Joints in X-Ray Images", *International Journal of Future Computer and Communication*, Vol. 4, No. 2, April 2015, pp. 122-125.
9. Qurban Memon, "On Integration of Error Concealment and Authentication in JPEG2000 Coded Images", *Advances in Image and Video Processing*, 2 (3), pp. 26-42, 2014.
10. Qurban Memon, "Emergency Alert and Location identification in Absence of GPS Systems", *Journal of Advances in Information Technology*, Academy Publishers, Vol. 4, No. 4, 2013, pp. 172-180.
11. Zahid Ali, Qurban Memon, "Time Delay Tracking in Multiuser Synchronization in CDMA systems", Vol. 8, No 9, pp. 1929-1935, *Journal of Networks*, 2013.
12. Qurban Memon, Amjad Boumatar, "Robust Transmission of Images Based on JPEG2000 using Edge Information", *International Journal on Internet and Distributed Computing Systems*, Vol. 3 No: 1, 2013, pp. 174-183.
13. Zahid Ali, Qurban Memon, "Estimating Subscriber Location in Wireless Networks", *International Journal of Information and Communication Technology Research*, Vol. 2, No. 7, 2012, pp. 609-616.
14. Qurban Memon, Hend Alqamzi, "Energy Efficient Content Based Image Retrieval in Sensor Networks", *International Journal of Communications, Network and System Sciences*, 2012, Vol. 5, No. 7, pp. 405-415, doi:10.4236/ijcns.2012.57050
15. Qurban Memon, S. A. Kohja, "'Specialization-Specific Course Assessments Integrated for Program Assessment," *Education Research International*, Vol. 2012, Article ID 987543, 10 pages, 2012. doi:10.1155/2012/987543.
16. Qurban Memon, S. A. Khoja, "RFID based Patient Tracking in Regional Collaborative Healthcare", *International Journal of Computer Applications in Technology*, Vol. 45, No. 4, 2012, pp. 231-244, doi: 10.1504/IJCAT.2012.051123.
17. Qurban Memon and S. A. Khoja, "Semantic Web for Program Administration", *International Journal of Emerging Technologies in Learning*, Vol. 5, No. 4, 2010.
18. Qurban Memon, "Self-organized Detection of Relationships in a Network", *International Journal of Communications, Networks, and System Sciences*, Vol. 3, pp. 303-310, 2010.
19. Qurban Memon, Adnan Harb, "Developing Electrical Engineering Assessment Process at UAE University", *Australasian Journal of Engineering Education*, Vol. 15, No. 3, pp. 155-163, 2009.
20. Qurban Memon, S. A. Khoja, "Semantic Web Approach for Program Assessment", *International Journal of Engineering Education*, Vol. 25, No. 5, pp. 1020-1028, 2009.
21. Qurban Memon, "Implementing Role Based Access in Healthcare Ad hoc Networks", *Journal of Networks*, Vol. 4, No. 3, pp. 192-199, May 2009.
22. Qurban Memon, "Intelligent Control of Air-Traffic landing Sequences", *International Journal of Modeling and Simulation*, Vol. 28, No. 1, Paper No. 205-4489, 2008.
23. Qurban Memon, "On Analysis of Electrical Engineering program in GCC Countries", *European Journal of Engineering Education*, Vol. 32, No. 5, 2007, pp. 551 – 560.
24. Qurban Memon, "Relation Based Clustering of Wear Particle Measurements for Industrial Automation", *International Journal of Automation and Control*, Vol. 1, No. 2-3, 2007, pp. 207-219.
25. Qurban Memon, Shakeel Laghari, "Building Relationship Network for Machine Analysis from Wear Debris Measurements", *International Journal of Computational Intelligence*, Vol. 3, No. 2, 2007, pp. 99-103.
26. Qurban Memon, Shakeel Laghari, "Wear Particle Analysis Based on Self Organizing Clusters", *International Journal of Robotics and Automation*, Vol. 21, No. 4, 2006, pp. 282-287.
27. Qurban Memon, Habib Rehman, "Distributed control system for process control using intelligent agents", *Transactions on Systems*, Vol. 3, No. 6, 2006, pp. 544-551.
28. Qurban Memon, "A New Approach to Video Security over Networks", *International Journal of Computer Applications in Technology*, Vol. 25, No. 1, 2006, pp. 72-83.
29. Shakeel Laghari, Qurban Memon, Gulzar Khuwaja, "Knowledge Based Wear Particle Analysis", *International Journal of Information Technology*, Vol. 1, No. 3, 2005. pp. 1-12.
30. Qurban Memon, "3-D Optical Flow Gradient Method for 3-D Motion Estimation of Gas Bubbles", *Asian*

Journal of Information Technology, Vol. 3, No. 6, 2004, pp. 472-480.

31. Qurban Memon, "Access Based Design of an Education Exchange", *International Review of Research in Open and Distance Learning Journal*, Vol. 5, No. 1, 2004.
32. Qurban Memon and Shakeel Khoja, "Object Database approach for HYPERVIDEO platform", *Malaysian Journal of Computer Science*, Vol. 16, No. 2, pp. 73-80, December 2003.
33. Qurban Memon, "Synchronized Chaos for Network Security", *International Journal of Computer Communications*, Vol. 26, No. 6, pp. 498-505, April 2003.
34. Qurban Memon, "WPT based Fast Multiresolution Transform", *Malaysian Journal of Computer Science*, Vol. 15, No. 1, pp. 28-36, 2002.
35. Qurban Memon and Sohaib Khan, "Camera Calibration and 3-D World Reconstruction for Stereo-vision using Neural Networks", *International Journal of Systems Sciences*, Volume 32, No. 9, pp. 1155-1159, 2001.
36. Qurban Memon, "Interference Rejection and Noise Removal from DS-Spectrum Receivers using Multiresolution Transform", *Electronic Journal of School of Advanced technologies*, Volume 3, Issue 1, April 2001.
37. Qurban Memon and Takis Kasparis, "Signal Decomposition and Coding using a multiresolution transform", *International Journal of Systems Sciences*, Vol. 29 No. 2, pp. 110-120, Feb. 1998.
38. Qurban Memon and Takis Kasparis, "Transform Coding of signals using Approximate Trigonometric Expansions", *Journal of Electronic Imaging*, Vol. 6, No. 4, pp. 494-503, October, 1997.
39. Takis Kasparis and Qurban Memon, "Direct-Sequence Spread-Spectrum with Transform domain Interference Suppression", *International Journal of Circuits, Systems, and Computers*, Vol.5, No.2, pp.167-179, 1995.

Under review:

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International (refereed) Conference Publications:

40. Zeenat Al-Kassim, Qurban Memon, "Experimental Analysis of Camera Calibration Techniques Used For Eye Tracking", *Proceedings of International Conference on Computing and Informatics*, 11-13 August, 2015, Istanbul, Turkey, pp. 142-151.
41. Qurban Memon, "JPEG2000 Compatible Neural Network Based Cipher", *Proceedings of International Conference on Computing and Informatics*, 11-13 August, 2015, Istanbul, Turkey, pp. 473-479.
42. Asma Wasfi and Qurban Memon, "On Extending the Sensing of Privacy-Aware Online Social Networks", *Proceedings of International Conference on Control, Robotics and Cybernetics* August 8-10, 2014, Singapore.
43. Qurban Memon, "Embedding Authentication and Distortion Concealment in Images – A Noisy Channel Perspective", *Proceedings of International Conference on EE-CSI*, Yogyakarta, Indonesia, 20-21 August, 2014.
44. Qurban Memon, "Emergency Alert and Location Identification in Absence of GPS Systems", *Proceedings of 6th International Conference on Sensors*, Melaka, Malaysia, 27-29 August, 2013.
45. Qurban Memon, Shakeel Khoja, "Patient Data Tracking in a Collaborative Healthcare", *Proceedings of WCICA'2012*, Beijing, 2012, pp. 5045–5050, doi: 10.1109/WCICA.2012.6359434.
46. Zahid Ali, Qurban Memon, "Subscriber Location in CDMA Wireless Networks", *Proceedings of WCICA'2012*, Beijing, 2012, pp. 4390-4394, doi: 10.1109/WCICA.2012.6359219.
47. Amjad Bou matar, Qurban Memon, "Error Concealment in JPEG2000 Coded Images", *Proceedings of WCICA'2012*, Beijing, 2012, pp. 4760-4765, doi: 10.1109/WCICA.2012.6359380.
48. Qurban Memon, S. Khoja, A. Harb "Integrating Specialization-Specific area courses' Assessments for Overall Program Assessment", *Proceedings of ICEE*, Belfast, UK, 2011.
49. S. Khoja, Qurban Memon, "Developing a low cost E-learning Framework for Engineering Courses in Developing Countries", *Proceedings of ICEE*, Belfast, UK, 2011.

50. Qurban Memon, Hend Alqamzi, "An Energy-Efficient Image Search Algorithm for Hybrid Delivery Model of Image Sensor Networks", *Proceedings of 2nd International Symposium on Middleware and Network Applications*, April 11-13, Las Vegas, US, 2011
51. S. A Khoja, Qurban Memon, "Usability Design Guidelines and Evaluation Techniques for handheld interactive devices focusing Developing Countries", *Proceedings of International Conference on Trends in Information Technology and Applications*, 2010, UAE.
52. Qurban Memon, "Detection of User Relationships in Networks Using Self-Organization Approach", *Proceedings of 10th International Conference on Information Sciences, Signal Processing and their Applications (ISSPA)*, 2010, pp. 401-404.
53. Qurban Memon, S. Khoja, "Academic Program Administration via Semantic Web – A Case Study", *Proceedings of International Conference on Electrical, Computer, and Systems Science and Engineering*, Dubai, Volume 37, pp. 695-698, 2009.
54. Qurban Memon, "Electrical Engineering Program Assessment Process at UAE University", *Proceedings of 7th Global Colloquium on Engineering Education*, October 19-23, 2008, Cape Town, South Africa, 2008.
55. Qurban Memon, "A Framework for Distributed and Intelligent Process Control", *Proceeding of 5th International Conference on Informatics in Control, Automation & Robotics*, pp. 240-243, May 12-15, Madeira, Portugal, 2008.
56. Qurban Memon, "User Relationship Modeling in Networks", DOI: 10.1109/HONET.2007.4600243, *Proceedings of HONET 2007*, Nov. 18-20, 2007, Dubai, UAE.
57. Qurban Memon, "Analyzing Electrical Engineering Program in GCC region Universities", *Proceedings of International Conference on Engineering Education (ICEE)*, September 3-7, Portugal, 2007.
58. Qurban Memon, Shakeel Khoja, "XML Implementation of Role Based Access in Healthcare Adhoc Networks", *Proceedings of IEEE International Symposium on MAPE 2007*, Hangzhou, China, August 16-17, 2007, pp. 1223-1226.
59. Qurban Memon, Shakil Akhtar, Alaaeldin Aly, "Role Management in Adhoc Networks", *Proceedings of Spring Simulation Multi-conference*, Volume 1, pp. 131-137, March 2007, Virginia, USA.
60. Qurban Memon, Shakeel Khoja, "RBAC and XML Security in Adhoc Networks", *Proceedings of International Symposium on Signal Processing and its Applications*, (1-4244-0779-6/07/ ©2007 IEEE) Sharjah, February, 2007.
61. Qurban Memon, "Policy Based Data Access in Wireless Adhoc Networks", *Proceedings of IEEE International Conference on Software, Telecommunications and Computer Networks*, Split, HR, FESB, September 29-October 1, 2006, Split - Dubrovnik, Croatia.
62. Qurban Memon and Habib Rehman, "Intelligent Approach towards Network Communications for Process Control", *Proceedings of IEEE Symposium on Computers and Communications (ISCC 2006)*, June 26-29, Cagliari, Italy, pp. 681-686.
63. Qurban Memon, Habib Rehman, and Abdul Khaliq, "Analyzing the Depth and Breadth of Electrical Engineering Program in United Arab Emirates", *International Forum on Engineering Education*, April 25-27, 2006, Sharjah, UAE (Paper No. ED-67)
64. Qurban Memon, "Role Based Approach to Data Access for Adhoc Networks", *Proceedings of IEEE International Conference on Computer Systems and their Applications (AICCSA)*, Sharjah, UAE, March 2006, pp. 1163-1166.
65. Qurban Memon, Habib Rehman, "Customized Design, Development and Implementation of DCS for Process Control", *Proceedings of International Conference on Information Security, Communications, and Computers*, Spain, December 2005, pp. 33-39.
66. Qurban Memon, Shakeel Laghari, "Self Organizing Analysis Platform for Wear Particle", *Proceedings of International Conference on Automation, Robotics, and Autonomous Systems*, Turkey Vol. 6, June 2005, pp. 122-125.
67. Qurban Memon, and Alaaeldin Aly, "Dynamic Analysis of Role Based Workflows in Wireless Adhoc Networks", *Proceedings of World Symposium on Systemics, Cybernetics, and Informatics*, Vol. 2, 2005,

USA, pp. 95-100.

68. Alaaeldin Aly, and Qurban Memon, "Policy based design of Secure Mobile Adhoc Networks" *Proceedings of World Symposium on Systemics, Cybernetics, and Informatics*, Vol. 2, 2005, USA, pp. 314-319.
69. Shakeel Laghari, Qurban Memon, Habib ur Rehman, "Advising for Course registration-UAE University Perspective", *Proceedings of International Conference on Engineering Education*, 2005, Poland, pp. 514-518
70. Qurban Memon, "Modeling of Air traffic landing sequences and control – A Simulation", *Proceedings of International Conference on Robotics, Vision, and Signal Processing*, 2005, Malaysia, pp. 762-766.
71. Shakeel Laghari, Qurban Memon, Gulzar Khuwaja, "Knowledge Based Wear Particle Analysis", *Proceedings of International Conference on Information Technology*, 2004, Turkey, pp. 112-116.
72. Qurban Memon, "Proxy-based Wireless Network Security Architecture for Role-based Workflows", *Proceedings of IEEE International Conference on Software, Telecommunications and Computer Networks*, ISBN 953-6114-64-X, IEEE Softcom 2003, Split, Dubrovnik, Ancona, Venice, 2003-10-07 - 2003-10-10.
73. Qurban Memon, "Crime Investigation and Analysis using Neural Networks", *Proceedings of IEEE National Multitopic Conference*, Islamabad, December 9-10, 2003.
74. Qurban Memon and Shakeel Khoja, "Development of Hypervideo Platform using Object Databases", *Proceedings of Second International Symposium on Telecommunications*, Isfahan, Iran, August 2003.
75. Qurban Memon, Zubair Shaikh, "Private Wireless Network using GSM Architecture", *Proceedings of IEEE International Multitopic Conference*, December 2002.
76. Qurban Memon, Shakeel Khoja, "Development of Video based Virtual Studio", *Proceedings of IEEE International Multitopic Conference*, December 2002.
77. Qurban Memon and M. Mohiuddin, "Education Exchange: From Institution to Intranets and Extranets", *Proceedings of International Euro-Asian Conference on Information and Communication Technologies*, Vol. 161, pp. 113-117, October 2002.
78. Qurban Memon, "Online Security Techniques for Processing of Video", *Proceedings of IEEE International Conference on Telecommunications*, Volume 1, pp. 840-844, June 23-26, 2002, Beijing, China.
79. Qurban Memon, "Signal Transmission through CDMA Channels employing Multiresolution Transmission", *Proceedings of ICSPAT 2000*, Paper No. 60, pp. 300-304, Dallas, Texas, USA.
80. Qurban Memon and Zahid Ali, "Network Security in Video Communications using Choatic Systems", *Proceedings of International VCIP 2000 Conference*, Perth, Australia, Vol. No. 4067-33, pp. 1164-1174, June 2000.
81. Qurban Memon, "Higher order Spectra Computation using Wavelet Transform", *Proceedings of International AeroSense 2000 Conference*, Orlando, USA, Vol. No. 4044-15, pp.124-132, April 2000.
82. Qurban Memon, "Interference Rejection in Wireless Communications using Approximation in Transform Domain", *1998 International Wireless and Telecommunications Symposium*, Kuala Lumpur, Malaysia, pp. 411-414, May 13-15, 1998.
83. Qurban Memon and Sohaib Khan, "Artificial Neural Network Approach to Camera Calibration and 3-D World Reconstruction for stereovision", *International Workshop on Recent Advances in Computer Vision*, pp. 35-40, Jan. 1-2, 1998, Karachi.
84. Qurban Memon, "Fast Implementation of Approximate Fourier Expansion via wavelets", *IEEE National Multitopic Conference*, pp. 64-67, Islamabad, April 1997.
85. Qurban Memon and Takis Kasparis, "An Efficient Algorithm for Multispectral Data Coding using Approximate Trigonometric Expansions", *Proceeding of International AeroSense Symposium*, vol. 3071, No. 23, pp. 191-202, Orlando, April 21-25, 1997.
86. Qurban Memon and Takis Kasparis, "Application of Approximate Trigonometric Expansions to Multiresolution Signal Representation", *IEEE SouthCon '96*, pp.308-313, Orlando, June 1996.
87. Qurban Memon and Takis Kasparis, "Adaptive Transform Coding of Images using ATE", *International*

Photonics East'96 Symposium, vol. 2915, No. 7, Nov. 1996, pp. 76-85, USA.

88. Qurban Memon, "Approximate Fourier Expansion: Its Properties and Applications", *SPIE's Annual International Symposium on Optical Science, Instrumentation, and Engineering*, August 1996, Vol. 2847, No.24, pp.203-213.
89. Qurban Memon and Takis Kasparis,"Approximate Trigonometric Expansions with applications to image encoding", *SPIE's International AeroSense Symposium*, Vol. 2751, No. 3, pp. 26-35, 1996.
90. Qurban Memon, Takis Kasparis, and N. Tzannes, "Approximate Fourier Expansion with uncorrelated coefficients", *IEEE Mediterranean Symposium on Advancements in Controls*, Cyprus, June, 1995.
91. Qurban Memon and Takis Kasparis, "Block Median Filters", *SPIE's International AeroSense Symposium*, Orlando, 1995, vol. 2488, pp. 100-109.
92. Qurban Memon and Takis Kasparis, "Rank Filters with Adaptive Length", *SPIE's International AeroSense Symposium*, Orlando, 1994, vol. 2239, pp. 256-266.

Under review:

Research Awards and Ratings:

- 2013-2015: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2011-2013: Excellent Teaching rating from EE Department and College of Engineering, UAE University
- 2009-2010: Excellent Research ratings from EE Department of Electrical Engineering, UAE University
- CURA 2009: Project won "one of the best project award" at Chancellor's Undergraduate research award conference (UAE University), 2009
- 2008-2009: Excellent Research ratings from EE Department of Electrical Engineering, UAE University
- 2007-2008: Excellent Research ratings from EE Department of Electrical Engineering, UAE University
- 2006-2007: Excellent Research ratings from EE Department of Electrical Engineering, UAE University
- 2006-2007: Merit award from UAE University, Al-Ain, UAE
- 2005-2006: Excellent Research ratings from Department of Electrical Engineering, UAE University
- 2004-2005: Excellent Research ratings from College of Engineering, UAE University
- 2002: Travel award by IEEE ICT2002 (held at Beijing, China) organizing committee to attend and present research paper at the conference
- 2000: ICSPAT Scholarship to attend ICSPAT conference and present paper in Dallas, US
- Biography published in millennium edition of *who's is who in the world*.

Service

University Service

2014-2015

- Member, University General Education Committee
- Head of EE Research Committee
- Member of EE Curriculum Committee
- Head of committee for hiring computer position faculty
- Member of final examination committee for graduation projects
- Academic advisor for UAEU students for their industrial training at various industries
- Examination Committee member for industrial training students
- 2011 batch male student advising

2013-2014

- Member, University General Education Committee
- Head, Computer Focus group
- Member of EE Research Committee
- Member of EE Female Activities Day, 2014
- Member of final examination committee for graduation projects
- Academic advisor for UAEU students for their industrial training at various industries

- Examination Committee member for industrial training students
- 2011 batch male student advising
- 2012-2013**
- Member, University General Education Committee
- Head, Computer Focus group
- Member of EE Graduate Program Committee
- Editorial Board Member Emirates Journal of Engineering Research – UAEU
- Member of final examination committee for graduation projects
- Academic advisor for UAEU students for their industrial training at various industries
- Examination Committee member for industrial training students
- 2011 batch male student advising
- 2011-2012**
- Secretary of EE Department Council
- Member of EE Graduate Program Committee
- Member of final examination committee for graduation projects
- Academic advisor for UAEU students for their industrial training at various industries
- Examination Committee member for industrial training students
- 2011 batch male student advising
- 2005 batch female student advising
- Proctoring member of examination committee for ISLM 1103 -Islamic Thought, Spring 2012
- 2010-2011**
- Member of EE Staff Performance and Development Committee
- EE and ECOM text book coordinator
- Member of EE departmental research committee, UAE University
- Member of committee for EE control position
- Member of final examination committee for graduation projects
- Member of Open/Alumni day and Activities day committee
- Academic advisor for UAEU students for their industrial training at various industries
- Examination Committee member for industrial training students
- 2005 batch female student advising
- Proctoring member of examination committee for HSS105-Emirates Society
- 2009-2010**
- EE and ECOM text book coordinator
- Member EE Research Committee
- 2005 batch female student advising
- Member of ABET Task force on assessment process implementation
- Member Open day and Activities day committee
- Member of committee for EE Telecom position
- Member of committee for screening and evaluation for Instructor position
- Academic advisor for UAEU students for their industrial training at various industries
- Examination Committee member for industrial training students
- Final GP Exam committee member
- 2008-2009**
- Editorial Board Member Emirates Journal of Engineering Research – UAEU
- Member of EE departmental research committee, UAE University
- Member of ABET Task force on assessment process implementation
- Member of committee for EE digital systems position
- Member of final examination committee for graduation projects
- Academic advisor for UAEU students for their industrial training at various industries
- 2007-2008**

- Member of college of Engineering Research committee (2007-2008)
- Head of EE departmental research committee, UAE University (August 2005-August 2008)
- Member of EE Outcomes Assessment Committee (2007-2008)
- Member of Open day and Activities day committee (2007-2008)
- Member of final examination committee for graduation projects (2007-2008)
- Academic advisor for UAEU students for their industrial training at various industries (2011-2012)

2006-2004

- Member of college of Engineering Research committee
- Head of EE departmental research committee (2006-2007)
- Member and secretary of EE Departmental curriculum committee, UAE University (2004-2006)
- Member of college of Engineering Research committee (2005-2008)
- Member of committee for screening, evaluation and interview for faculty/instructor positions (2005-2006); Head of committee for DSP position, 2004-2006
- Member of final examination committee for graduation projects (2005-20011)
- Member for evaluation committee for graduation projects under KM Engineering Award across UAE
- Academic advisor for UAEU students for their industrial training at various industries (since 2005)
- Academic advisor for female 2005 batch
- Member of a committee for preparing DSP Lab for new curriculum of EE department

Before 2004

- MSc. Pathway Leader, Karachi Institute of Information Technology (2003-2004)
- Research Coordinator, Karachi Institute of Information Technology, Pakistan (2001-2002)
- Deputy Director, Graduate School of Engineering Sciences and Technology, Hamdard University (1999-2001)

Professional Service

2014-2015

- *Member of PhD advisory committee* for Rita Ahmad Mahmoud Abu Diab
- *External Examiner for PhD research proposal* titled "Development of Neural Network Based Controller for Telecom Power Supply," by Mr. Saeed Ahmed Shaikh
- Reviewer: *International Journal of Network Security*
- Reviewer: *Journal of Circuits, Systems, and Computers*
- Reviewer: *European Journal of Engineering Education*
- Technical Program Committee and Reviewer: *International Conference on Computer Vision & Image Analysis, ICCVIA' 2015*
- Technical Program Committee and Reviewer: *International Summit on Bio-Metrics and Smart Government, IBMSGs' 2015*
- Technical Program Committee and Reviewer: *IEEE 6th International Conference on Engineering Education, ICEED-2014*
- Technical Program Committee and Reviewer: *The 2nd International Workshop on Secure Peer-to-Peer Intelligent Networks & Systems*
- Technical Program Committee and Reviewer: *International Conference on Education (ICOED'15)*
- Technical Program Committee: *8th International Symposium on Digital Forensics and Information Security (DFIS 2014)*
- Technical Program Committee: *International Conference on Industrial Networks and Intelligent Systems*
- Technical Program Committee: *IEEE International Conference on Recent Developments in Control, Automation and Power Engineering (RDCAPE 2015)*
- Technical Program Committee: *IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE 2014)*
- Technical Program Committee: *International Conference on Advanced Wireless Information and Communication Technologies (AWICT 2015)*
- Technical Program Committee: *International Symposium on Intelligent Systems Technologies and Applications (ISTA'15)*
- Reviewer: *IEEE Conference on Wireless Sensors (ICWiSe2014)*
- Reviewer: *IEEE International Conference on Communications (ICC, 2015)*

2013-2014

- *External Examiner for PhD Thesis* “Design of Adaptive Active Queue Management Controller” written by Muhammad Saleh Shah, December, 2013
- *Co-Supervisor, PhD Thesis* by Hanan AlTous, 2014
- *Internal Examiner, MSc Thesis* “A new Clustering Protocol for Hybrid Sensor Vehicular Networks”, written by Saleha Mubarak AMheiri, 2014
- Judge in IEEE student day, 2014
- Reviewer: *International Journal of Network Security*
- Reviewer: *International Journal of Computational Science and Engineering (IJCSE)*
- Reviewer: *British Journal of Mathematics and Computer Science*
- Reviewer: *iNEER Innovations*, 2014
- Reviewer: *IEEE Transactions on Information Forensics & Security*
- Reviewer: *International Journal of Signal and Imaging Systems Engineering*
- Reviewer: *Journal of Circuits, Systems and Computers*
- Reviewer: *Book on Cloud Computing: Challenges, Limitations and R&D Solutions*
- Technical Program committee and Reviewer: *IEEE Symposium on Industrial Electronics and Applications*
- Technical Program committee and Reviewer: *IEEE 5th International Conference on Engineering Education*, 2013
- Technical Program committee and Reviewer: *International Industrial Networks and Intelligent Systems Conference*
- Technical Program committee and Reviewer: *IEEE Conference on e-Learning, e-Management and e-Services (IC3e 2013)*
- Technical Program committee and Reviewer: *International Multi Topic Conference (IMTIC)*, 2013
- Technical Program committee and Reviewer: *International Workshop on Secure Peer-to-Peer Intelligent Networks & Systems*, 2014
- Technical Program committee and Reviewer: *IEEE Colloquium on Humanities, Science & Engineering Research*, 2014
- Technical Program Committee and Reviewer: *IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*, 2013
- Technical Program committee and Reviewer: *International Congress on Image and Signal Processing (CISP 2013) / International Conference on Bio-Medical Engineering and Informatics (BMEI 2013)*
- Technical Program committee: *6th International Symposium on Advances in Computing, Communications, Security, and Applications (ACSA)*, 2014
- International Liaison committee member: *International Conference on Advanced Cloud and Green Computing (CLOGREEN)*, 2014
- Reviewer: *International Conference on Information, Communications and Signal Processing*, 2013
- Reviewer: *IEEE Symposium on Wireless Technology and Applications (ISWTA)*, 2014
- Reviewer: *IEEE - GCC Conference*, 2013
- Reviewer: *The 6th International Multi-Conference on Complexity, Informatics and Cybernetics (IMCIC)*, 2014
- Reviewer: *IEEE Symposium on Computer Applications and Industrial Electronics (ISCAIE)*, 2014

2012-2013

- Reviewer: *International Journal of Network Security*
- Reviewer: *Journal of Circuits, Systems, and Computers*
- Reviewer: *Computer Standards & Interfaces*, Elsevier
- Reviewer: *IEEE Transactions on Information Forensics & Security (TIFS)*
- Reviewer: *IETE Technical Review*
- Reviewer: *IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE 2013)*
- Technical Program committee member and Reviewer: *IEEE Symposium on Business, Engineering & Industrial Applications*, (ISBEIA 2013)

- Technical Program committee member and Reviewer: *IEEE Symposium on Industrial Electronics and Applications* (ISIEA 2013)
- Technical Program committee member and Reviewer: *IEEE Conference on e-Learning, e-Management and e-Services* (IC3e 2013)
- Technical Program committee member and Reviewer: *3rd International Multi Topic Conference (IMTIC)*, 2013
- Reviewer: *IEEE Conference on Wireless Sensors* (ICWiSe2013)
- Reviewer: *IEEE Symposium on Wireless Technology and Applications*
- Reviewer: *IEEE Vehicular Technology Conference*
- Reviewer: ICT Fund UG projects, UAE.
- Technical Program committee member and Reviewer: *IEEE Symposium on Humanities, Science & Engineering Research*
- Technical Program committee member and Reviewer: *IEEE Symposium on Computers & Informatics* (ISCI 2013), April 2013.
- Technical Program committee member and Reviewer: *IEEE Business, Engineering & Industrial Applications Colloquium* (BEIAC 2013), April 2013.
- Program committee member: *International Conference on Information and Communication Technology for the Muslim World* (ICT4M), March 2013
- Reviewer: *The 4th International Multi-Conference on Complexity, Informatics and Cybernetics* (IMCIC 2013), March 2013
- Program committee member and Reviewer: *The 2nd International Workshop on Parallel and Mobile Computing in Future Networks* (PMCFN 2013), June 2013.
- Technical Program committee member and Reviewer: *IEEE Student Conference on Research and Development* (Scored 2012), December 2012
- Reviewer: *IEEE International Conference on Control System, Computing and Engineering* (ICCSCE 2012), November 2012
- Program committee member and Reviewer: *IEEE Symposium on Computer Applications and Industrial Electronics* (ISCAIE), December 2012.

2011-2012

- Program committee member and Reviewer: *IEEE International Power and Energy Conference* (PECON)
- Program committee member: *IEEE Symposium on e-Learning, e-Management and e-Services*
- Program committee member and Reviewer: *5th International Congress on Image and Signal Processing* (CISP)
- Program committee member: *4th International Congress on Engineering Education* (ICEED)
- Reviewer: *IEEE International Conference on Teaching, Assessment and Learning for Engineering* (TALE)
- Technical Program Committee: *The 2012 FTRA International Symposium on Advances in Cryptography, Security and Applications for Future Computing* (ACSA-12)
- Reviewer: *IEEE Conference on Open Systems* (ICOS)
- Program committee member and Reviewer: *IEEE Conference on Control, Systems & Industrial Informatics* (ICCSII)
- Program committee member and Reviewer: *IEEE International Conference on Electronics Design, Systems and Applications* (ICEDSA)
- Program committee member and Reviewer: *IEEE Symposium on Industrial Electronics and Applications* (ISIEA)
- Reviewer: *The 7th International Conference on Interactive Mobile and Computer Aided Learning* (ICMCL)
- Reviewer: *IEEE Symposium on Wireless Telecommunications Applications* (ISWTA)
- Program committee member and Reviewer: *IEEE Business, Engineering & Industrial Applications Colloquium* (BEIAC)
- Program committee member and Reviewer: IMTIC'12
- Reviewer: *The 3rd International Multi-Conference on Complexity, Informatics and Cybernetics*, IMCIC
- Program committee member: *9th International Conference on Information Technology: New Generations*

- Program committee member and Reviewer: *IEEE Symposium on Computers & Informatics (ISCI)*
- Program committee member and Reviewer: *IEEE Colloquium on Humanities, Science & Engineering Research (CHUSER 2012)*
- Reviewer: *International Symposium on Integrating Research, Education, and Problem Solving (IREPS)*
- Reviewer: *European Journal of Engineering Education*
- Reviewer: *International Journal of Network Security*
- Reviewer: *Micro & Nano Letters*
- Reviewer: *IEEE Transactions on Industrial Informatics*

2010-2011

- Evaluation of Ph.D. Thesis as External Examiner written by candidate D. M. Pathan (completed in January 2011)
- Organized a distinguished lecture of Professor Dr. Mubarak Shah at UAEU in coordination with FIT, UAEU
- Program Committee member: The 4th International Congress on Image and Signal Processing (CISP)
- Program Committee member: IEEE Conference on Open Systems (ICOS)
- Program Committee member: IEEE GCC Conference
- Program Committee member: IEEE International Conference on Intelligent Robotics, Automations and Applications (IRoA)
- Program Committee member: IEEE Symposium on Industrial Electronics and Applications (ISIEA,)
- Program Committee member: IEEE Engineering Education Conference (IEEE EDUCON)
- Program Committee member: International Conference on Computer Applications & Industrial Electronics, (ICCAIE)
- Program Committee member: International Conference on Business, Engineering and Industrial Applications (ICBEIA)
- Program Committee member: IEEE Symposium on Computers and Informatics (ISCI)
- Program Committee member: IEEE Applied Power Electronics Colloquium (IAPEC)
- Program Committee member: International Conference on Electronic Devices, Systems and Applications (ICEDSA)
- Program Committee member: IEEE Colloquium on Humanities, Science, and Engineering Research (CHUSER)
- Reviewer: IEEE Transactions on Industrial Informatics
- Reviewer: Elsevier Computer Standards & Interfaces Journal
- Reviewer: International Journal of Network Security
- Reviewer: European Journal of Engineering Education, etc.
- Reviewer: International Conference on Business, Engineering and Industrial Applications (ICBEIA)
- Reviewer: The World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI)
- Reviewer: International Symposium on Security and Information/Communication Technologies (SICT), US
- Reviewer: *IEEE Symposium on Computers & Informatics (IEEE ISCI)*, Malaysia
- Reviewer: Thirteenth International Conference on Information and Communications Security (ICICS)
- Reviewer: The 2011 IEEE Conference on Computer Applications & Industrial Electronics (ICCAIE)
- Reviewer: The 4th International Congress on Image and Signal Processing (CISP)
- Reviewer: IEEE Symposium on Industrial Electronics and Applications (ISIEA)
- Reviewer: International Symposium on Science 2 and Expansion of Science (S2ES)

2009-2010

- Member, International Society for Research in Science and Technology, US, 2009-2010
- Editorial board: Journal of Independent Study Research, 2010
- Program committee member: IEEE Symposium on Industrial Electronics and Applications, (ISIEA 2010)
- Program committee member: MULTICON 2010
- Member of Organizing Committee, and Publicity Chair for International Conference on Renewable Energy, Generations, and Applications (ICREGA 2010)

- Program Committee member: Poster session in International Conference on Information Technology (IIT 2009)
- Reviewer: International Journal of Network Security
- Reviewer: European Journal of Engineering Education
- Reviewer: EJER-UAEU
- Reviewer: The SPRING 4th International Conference on Knowledge Generation, Communication and Management (IMCIC)
- Reviewer: The World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI)
- Reviewer: International Conference on Information Security and Privacy (ICISP)
- Reviewer: IEEE Symposium on Industrial Electronics & Applications (ISIEA)
- Reviewer: International Conference on Renewable Energy, UAE

2009 and Before

- IJCAE Journal: Reviewer for International Journal of Computers and Education (2009)
- IJCSSE Journal: Reviewer for International Journal of Computer Systems Science and Engineering (2009)
- Member Program Committee for MULTICON 2009 (International Conference on Security & Privacy, 2009; International Conference on High Performance Computing, Networking and Communication Systems, 2009; International Conference on Automation, Robotics, & Control Systems, 2009)
- ICICS Conference: Reviewer for IEEE ICICS Conference, MACAU, 2009.
- Reviewer, Research grant proposals, University of Sharjah, UAE (2009)
- IJCAET Journal: Reviewer for special issue of International Journal of Computer Aided Engineering and Technology (2009)
- IEEE CITIASIA: Reviewer for IEEE CITIASIA Conference, Australia, 2009.
- Served as one of the Judges for Senior Design Project, on IEEE Student Day, 2009, at AUD, UAE
- Member Program Committee ISP-09, Orlando, FL
- Member Program Committee HPCNCS-9, Orlando, FL
- Member Program Committee ARCS'09, Orlando, FL.
- Session Chair for CESSE 2009 Conference, Dubai
- Reviewer: Research Grant Proposals, SQU, Oman (2008).
- Judge for Common Design Project, UAE IEEE Student Day, April, 2008, UAE.
- Reviewer for EJER, UAEU (2008, 2009)
- Session Chair, IEEE Honet 2007, Dubai 18-20, 2007.
- ELECO 2007: Reviewer for 5th International Conference on Electrical and Electronics Engg., Turkey.
- IEEE VTC2007: Reviewer for IEEE Vehicular Technology Conference, Baltimore, USA, 2007.
- JCI Journal: Reviewer for Journal of Computing and Information Technology, 2006-2008.
- ICEE 2007: Reviewer for International Conference on Engineering Education, Portugal, 2007.
- CSITED 2007: Reviewer for International Conference on Computer Science, Information Technology Education, Mauritius, 2007.
- IIT2006: Reviewer for IEEE Sponsored Innovations in Information Technology symposium, Dubai, November 2006.
- ISSPIT 2006: Reviewer for IEEE Symposium for Signal Processing and Information Technology (2006), Vancouver, Canada.
- WMSCI 2011-2005: Reviewer for World Multi-conference on Systemics, Cybernetics, and Systemics (WMSCI), WMDCSI 2011, WMSCI 2010, WMSCI 2009, WMSCI 2008, WMSCI 2007, WMSCI 2006 and WMSCI 2005 conferences at Orlando, Florida, USA
- CIS-RAM 2006: Reviewer, IEEE International Conferences on Cybernetics & Intelligent Systems (CIS) and Robotics, Automation & Mechatronics (IEEE CIS-RAM 2006) at Bangkok, Thailand
- ICICS 2005: Reviewer International Conference on Information, Communications and Signal Processing (ICICS 2005), Bangkok, Thailand, 2005
- MVA Journal: Reviewer, International Journal of Machine Vision and Applications
- INMIC 2004: Reviewer, IEEE-INMIC 2004 conference

- ICINCO 2004: Reviewer, International Workshop on "Neural Network Applications", Portugal, August 2004.
- Reviewer, Pakistan Research and Development funded projects
- PDCS2002: Reviewer, Special session "Traffic Engineering for the Next Generation Networks" International Conference, Kentucky, USA 2002.
- Session Chair, IEEE Conference on Computer Systems and Applications (AICSSA 2006) conference, Sharjah, UAE
- Session Chair, Enformatika 2005 conference in Istanbul Turkey
- Executive Secretary, IEEE National MultiTopic Conference, December 27-28. 2002
- Member, International Institute of Informatics and Systemics (IIIS) located at Orlando, USA for the period 2006-2007
- Editorial Advisory Board Member and Reviewer, Scientific Journals International (SJI), 2006-2007
- Member IEEE

Service Awards and Ratings:

- 2013-2015: Excellent community ratings from EE department, UAE University
- 2010-2012: Excellent community ratings from EE department, UAE University
- 2009-2010: Excellent community ratings from EE department, UAE University
- 2007-2008: Excellent community ratings from EE department, UAE University
- 2006-2007: Excellent community ratings from EE department, UAE University

References:

To be provided upon request.