

Qurban Ali M., Ph.D.

email: qurban_memon@yahoo.com; College of Engineering, UAE University, 17555, Al-Ain UAE

Personal Resources

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

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, Three book chapters, 82 research papers in Internationally refereed Journals and Conferences

Current Job Description:

- Teaching BS/MS programs of UAE University; Member of University General Education Committee; Member of EE Research Committee; Head 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: 18 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:**
 - Two years as Deputy Director, Graduate School of Engineering Sciences and Technology, Hamdard Institute of Information Technology, Pakistan
 - 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:

- **Principal Investigator:** *Embedding Authentication in JPEG2000 Images Transmitted through Noisy Channel*, (Grant No. 21N151-EE-2013, UAEU); 2012-2013
- **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 “Automated Toll Collection system for National Highway Authority, Pakistan”, 1997.

Projects under execution:

- **Principal Investigator:** *Image Data Encryption using Combination of Wavelets and Neural Networks, Funding by UAEU*
- **Co-Investigator:** *Intelligent Vehicle-Road System Using Wireless Sensor Networks, External funding: Emirates foundation*

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

- 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
- **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:

- **Principal Investigator:** *Image Data Encryption using Combination of Wavelets and Neural Networks*, Funding by UAE University
- **Co-Investigator:** *Intelligent Vehicle-Road System Using Wireless Sensor Networks*, External funding: Emirates foundation

Publications

Edited Books:

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

Book Chapters:

2. 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
3. Qurban Memon, “Smarter Healthcare Collaborative Network,” *Building Next-Generation Converged Networks: Theory and Practice*, CRC Press, 2013.
4. 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:

5. 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.
6. 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.
7. Zahid Ali, Qurban Memon, “Time Delay Tracking in Multiuser Synchronization in CDMA systems”, Vol. 8, No 9, pp. 1929-1935, *Journal of Networks*, 2013.

8. 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.
9. 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.
10. 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
11. Qurban Memon, S. A. Khoja, "'Specialization-Specific Course Assessments Integrated for Program Assessment," *Education Research International*, Vol. 2012, Article ID 987543, 10 pages, 2012. doi:10.1155/2012/987543.
12. 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.
13. Qurban Memon and S. A. Khoja, "Semantic Web for Program Administration", *International Journal of Emerging Technologies in Learning*, Vol. 5, No. 4, 2010.
14. Qurban Memon, "Self-organized Detection of Relationships in a Network", *International Journal of Communications, Networks, and System Sciences*, Vol. 3, pp. 303-310, 2010.
15. 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.
16. Qurban Memon, S. A. Khoja, "Semantic Web Approach for Program Assessment", *International Journal of Engineering Education*, Vol. 25, No. 5, pp. 1020-1028, 2009.
17. Qurban Memon, "Implementing Role Based Access in Healthcare Ad hoc Networks", *Journal of Networks*, Vol. 4, No. 3, pp. 192-199, May 2009.
18. Qurban Memon, "Intelligent Control of Air-Traffic landing Sequences", *International Journal of Modeling and Simulation*, Vol. 28, No. 1, Paper No. 205-4489, 2008.
19. Qurban Memon, "On Analysis of Electrical Engineering program in GCC Countries", *European Journal of Engineering Education*, Vol. 32, No. 5, 2007, pp. 551 – 560.
20. 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.
21. 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.
22. 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.
23. Qurban Memon, Habib Rehman, "Distributed control system for process control using intelligent agents", *Transactions on Systems*, Vol. 3, No. 6, 2006, pp. 544-551.
24. 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.
25. Shakeel Laghari, Qurban Memon, Gulzar Khuwaja, "Knowledge Based Wear Particle Analysis", *International Journal of Information Technology*, Vol. 1, No. 3, 2005. pp. 1-12.
26. 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.
27. Qurban Memon, "Access Based Design of an Education Exchange", *International Review of Research in Open and Distance Learning Journal*, Vol. 5, No. 1, 2004.
28. 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.
29. Qurban Memon, "Synchronized Chaos for Network Security", *International Journal of Computer Communications*, Vol. 26, No. 6, pp. 498-505, April 2003.
30. Qurban Memon, "WPT based Fast Multiresolution Transform", *Malaysian Journal of Computer Science*, Vol. 15, No. 1, pp. 28-36, 2002.

31. 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.
32. 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.
33. 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.
34. 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.
35. 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.

Research Awards and Ratings:

- 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

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

Professional Service

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
- 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

Service Awards and Ratings:

- 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.