

Education

Kyushu University, Fukuoka, Japan.

Ph.D. in Computer Science, March 2001
Thesis: Studies on Modeling and Querying Video Databases.

Kyushu University, Fukuoka, Japan.

M.Sc. in Computer Science, March 1998.
Thesis: A Color-Location Based Indexing Method for Retrieving MPEG Videos.

Florida Institute of Technology, Florida, USA.

B.Sc. in Computer Engineering, December 1987.
Senior Project: Voice recognizing security system.

Work Experience

- Professor and Head of the Department of Computer Science, University of Sharjah, UAE. Sep. 2014 – present.
- Professor at the Department of Computer Science, University of Sharjah, UAE. Sep. 2013 – Sep. 2014.
- Associate Professor at the Department of Computer Science, University of Sharjah, UAE. Sep. 2012 – Sep. 2013.
- Associate Professor and Head of the Department of Computer Science, University of Sharjah, UAE. Sep. 2008 – Aug. 2012.
- Associate Professor at the Department of Computer Science, University of Sharjah, UAE. Sep. 2007 – Aug. 2008.
- Assistant Professor at the Department of Computer Science, University of Sharjah, UAE. Sep. 2003 – Aug. 2007.
- Assistant Professor at the Department of Intelligent Systems, Graduate School of Information Science and Electrical Engineering, Kyushu University, Japan, Apr. 2001 – Jul. 2003.
- Teaching Assistant at the Department of Computer Engineering, University of Sana'a, Yemen, Feb. 1990 – Mar. 1995,
- Head of System Administration Section, Information Center, Ministry of Interior, Sana'a, Yemen. Apr. 1988 – Dec. 1989.

Teaching Courses

Undergraduate Courses

- Software Experiments,
- Computer Logic,
- Pascal,
- Basic,
- Assembly Language
- Introduction to Information Technology,
- C++ Language (Programming I),

- Programming for Engineers
- Problem Solving,
- Data Structures,
- File Processing and Data Management
- Database Management Systems,
- Database Design & Implementation
- Web-based Database Applications,
- Multimedia Technologies,
- Seminars in CS,
- Senior Projects in CS,
- Senior Projects in ITMM
- Junior Project in CS
- Junior Project in ITMM

Graduate Courses (MSc Level)

- Data Management & the Internet (Data Mining),
- Topics in Database Systems,
- Research Methodology.

Graduate Student Supervision

Supervision at Kyushu University

- Masaki Kubo, M.Sc., “*Semantic classification of image databases*”. (Year: Fall 2001/2002 – Spring 2001/2002).
- Takumi Ohashi, M.Sc., “*Semantic image segmentation*”. (Year: Fall 2002/2003 – Spring 2002/2003)

Supervision at University of Sharjah

- Ruba Al-Haj, M.Sc., “*Building a semantic segmentation tree for image content representation*”. (Year: Spring 2003/2004 – Spring 2004-2005).
- Rana Malhas, M.Sc., “*Discovering Interesting Patterns based on Background Knowledge*”. (Year: Fall 2004/2005 – Spring 2006)
- Salama Brook, M.Sc., “*An Automatic Retrieval System for Style-Specific Arabic Handwritten Manuscript*”. (Year: Spring 2005/2006 – Spring 2007-2008)
- Ahmed Mustafa, M.Sc., “*Development of an Efficient Distributed Geographic Information System for e-Services*” (Year: Fall 2006-2007 –Fall 2008-2009)
- Reem Al-Mulla, M.Sc. “*Discovery of Association Rules in Multiple Data Stream*” (Year: Fall 2008-2009 – Spring 2009-2010)
- Amany Abou Safia, MSc. “*Phenomena Detection in Mobile Wireless Sensor Networks*” (Year: Fall 2011-2012 – Spring 2012-2013)
- Sarah Darwish, MSc. “*Identifying Overlapping Communities and Influential Leaders in Social Networks*”, (Year: Fall 2011-2012 – Fall 2013-2014)
- Osama Alkoky, MSc. “*Finding People in Social Networks Using Mavens*”, (Year: Spring 2011-2012 – now)
- Rima Chaker, MSc. “*Anomaly Detection in Crowded Scenes Using Social Networks*”, (Year: Spring 2012-2013 – Fall 2014-2015)
- Hiba Jadallah, MSc. “*Cloud-based In-Memory Indexing of Dynamic Spatial Data*”, (Year: Spring 2015-2016 – now)
- Jomana Naim Nimrat, MSc. “*An Efficient Data Routing Protocol for Wireless Body Area Network*”, (Year: Spring 2016-2017) – Now
- Ammara Razzaq, MSc. “*Face-based fault tolerant mobile object tracking in Wireless Sensor Networks*”, (Year: Spring 2016-2017) - Now

Examining at University of Sharjah

- Proposal examiner for M.Sc. thesis proposal of Rasha Aldam (Year: Spring 2004/2005).
- M.Sc thesis internal examiner for Fatma Taher " Lung Cancer Diagnosis Based on Sputum Color Image Analysis " (Year: May 2007)
- M.Sc thesis internal examiner for Fatma AlKirby "Automatic Assessment of Posterior Capsule Opacification from Digital Images" (Year: May 2008)
- M.Sc thesis internal examiner for Thuraya Obaid "An Efficient Scheme for Distributed Processing of Multi-Way Join of Data Streams " (Year: May 2008)
- M.Sc thesis internal examiner for Hussam Juma "Development of a Security Scheme for Sensor Networks" (Year: Dec. 2008)
- M.Sc. thesis internal examiner for Ameera Jaddallah "Plagiarism Detection in Arabic Text-Based Documents " (Year: June 2010).
- M.Sc. thesis internal examiner for Ayesha Talha "Dynamic Scene Understanding using Temporal Association Rules" (Year: June 2012).

Examining at Other Universities

- M.Sc. thesis external examiner Samar Alhasasneh "Data Mining for Rating Buses Driving & RFID Technology for Emirates Transport", College of IT, Ajman University (Year: January 2013).

Grants

- Group Coordinator:
Group members: Z. Al Aghbari, M. Merabti, I. Kamel, A. Khedr, I. Junejo, N. Ahmed
Title: Big Data Mining and Multimedia
Grant amount: 250,000 Dirhams
Sponsor: UoS
Duration: 2014 – 2015
- Group Member:
Group members: I. Kamel, Z. Al Aghbari, M. Merabti, B. Soudan, T. Rabie, A. Morsi
Title: Information and Network Security
Grant amount: 250,000 Dirhams
Sponsor: UoS
Duration: May 2015 - now
- Co-investigators: Z. Al Aghbari, I. Kamel
Topic: A Data Mining Approach for Detecting and Tracking Harmful Environmental Phenomena using WSN
Grant amount: 150,000 AED
Sponsor: University of Sharjah
Duration: June 2015 – now
- Co-investigators: I. Kamel, Z. Al Aghbari
Topic: Securing Spatial Data on the Cloud
Grant amount: 200,000 AED
Sponsor: University of Sharjah
Duration: Oct. 2016 - now
- Co-investigators: A. Khedr, Z. Al Aghbari, I. Kamel
Topic: Distributed Path Tracking and Computation using WSNs with Smart Antennas
Grant amount: 194,000 AED
Sponsor: University of Sharjah
Duration: Oct. 2016 - now

- Co-investigators: I. Junijo, Z. Al Aghbari, N. Ahmed
Topic: Scene Understanding and Visualization
Grant amount: 50,000 AED
Sponsor: University of Sharjah
Duration: June 2015 - now

- Member
Topic: Computer Science for High School (CS4HS)
Grant amount: 8,000 US Dollars
Sponsor: Google
Duration: May 2015 - now

- Co-investigators: A. Elnagar, Z. Al Aghbari, M. Ali, I. Junejo, A. Khedr, N. Ahmed, A. Hussien
Topic: Computational Intelligence Center
Grant amount: 900,000 AED
Sponsor: University of Sharjah
Duration: 2013 – 2015

- Co-investigators: Imran Junejo, Zaher Al Aghbari
Topic: Human Activity Recognition and Monitoring Using Data Mining Tools
Grant amount: 45,000 AED
Sponsor: University of Sharjah
Duration: Jan. 2012 – Jan. 2014

- Co-investigators: Ibrahim Kamel, Zaher Al Aghbari, Ahmed Alomosh
Topic: Identifying High Risk Individuals Using Social Network Mining
Grant amount: 100,000 AED
Sponsor: University of Sharjah
Duration: May 2011 – May 2013

- Co-investigators: Zaher Al Aghbari, Ibrahim Kamel
Topic: Efficient Indexing of Distributed GIS Data on a P2P Structure
Grant amount: 100,000 AED
Sponsor: University of Sharjah
Duration: Mar. 2008 – Nov. 2011

- *Member:* of the “Graphics, Image Processing, and Multimedia” research group.
Grant amount: 120,000 AED (initial start-up grant for the group)
Sponsor: University of Sharjah
Duration: Mar. 2004 – Mar. 2007

- *Principle Investigator:* Zaher Al Aghbari
Topic: New Approach to Image Indexing and Retrieval: Semantic Image Segmentation and Classification
Grant amount: 30,000 AED
Sponsor: University of Sharjah
Duration: Aug. 2003 – Aug. 2006

- *Member:* Multimedia Database research group.
Grant amount: 2,000,000 YEN
Sponsor: Kyushu University, Japan
Duration: Apr. 2001 – Apr. 2003

Refereed Publications

Journal Publications

1. Ibrahim Kamel, Ayesha Talha, Zaher Al Aghbari, “Dynamic Spatial Index for Efficient Query Processing at the Cloud Service Provider“, Springer Journal of Cloud Computing, vol. 6, no 1, 2017.
2. Rima Chaker, Zaher Al Aghbari, Imran Junejo. “Social Network Model for Crowd Anomaly Detection and Localization”, Elsevier Pattern Recognition, vol. 61, (2017), pp.266-281, Jan. 2017.
3. Ibrahim Kamel., Zaher Al Aghbari, Kareem Kamel. “SmartRecruiter: A Similarity-based Team Formation Algorithm”, Inderscience International Journal of Big Data Intelligence, vol. 3, no. 4, pp. 228-238, 2016.
4. Amany Abou Safia, Zaher Al Aghbari, Ibrahim Kamel. “Phenomena Detection in Mobile Wireless Sensor Networks”, Springer International Journal on Network and Systems Management, vol. 24, no. 1, pp.92-115, 2016.
5. Zaher Al Aghbari, Imran N. Junejo. “DisCoSet: Discovery of Contrast Sets to Reduce Dimensionality and Improve Classification”, Taylor & Francis International Journal of Computational Intelligence Systems, vol. 8, no. 6, pp 1178-1191, 2015.
6. Imran N. Junejo, Khurram Nazir Junejo, Zaher Al Aghbari. "Silhouette-based Human Action Recognition using SAX-Shapes", Springer International Journal on the Visual Computer, vol. 30, no. 3, pp. 259-269, 2014.
7. Moftah Elzobi, Ayoub Al-Hamadi, Zaher Al Aghbari, Laslo Dings, “IESK-ArDB: a database for handwritten Arabic and an optimized topological segmentation approach”, Springer International Journal on Document Analysis and Recognition, vol. 16, no. 3, pp. 295-308, 2013.
8. Zaher Al Aghbari, Ibrahim Kamel, Walid Elbarouni, “Energy-Efficient Distributed Wireless Sensor Network Scheme for Cluster Detection”, Taylor&Francis International Journal of Parallel, Emergent and Distributed Systems, vol. 28, no. 1, pp. 1-28, 2013.
9. Imran N. Junejo, Zaher Al Aghbari. “Using SAX Representation for Human Action Recognition” Elsevier International Journal of Visual Communication and Image Representation, Vol. 23, no. 6, 2012, pp. 853-861.
10. Zaher Al Aghbari. “cTraj: Efficient Indexing and Searching of Sequences Containing Multiple Moving Objects” Springer International Journal of Intelligent Information Systems, Vol. 39, no. 1, 2012, pp. 1-28.
11. Amany Abou Safia, Zaher Al Aghbari. “Detection of Variable Length Anomalous Subsequences in Data Streams” Inderscience International Journal of Intelligent Information and Database Systems, vol. 6, no. 3, pp. 273-288, May 2012.
12. Zaher Al Aghbari, Ibrahim Kamel and Thuraya Awad. “On Clustering Large Number of Data Streams” International Journal on Intelligent Data Analysis, Vol. 16, No. 1, 2012, pp. 69-91.
13. Laslo Dinges, Ayoub Al-Hamadi, Moftah Elzobi, Zaher Al Aghbari and Hassan Mustafa: “Offline Automatic Segmentation based Recognition of Handwritten Arabic Words.” International Journal of Signal Processing, Image Processing and Pattern Recognition, Vol. 4, No. 4, December 2011, pp. 131-144.

14. Reem Al-Mulla, Zaher Al Aghbari. "Incremental Algorithm for Discovering Frequent Subsequences in Multiple Data Streams", IGI International Journal of Data Warehousing and Mining, Vol. 7, no. 4, pp. 1-20, 2011.
15. Zaher Al Aghbari, Ayoub Al-Hamadi. "Efficient KNN Search by Linear Projection of Image Clusters", Wiley International Journal of Intelligent Systems, Vol. 26, no. 9, pp. 844-865, 2011.
16. Zaher Al Aghbari, Ibrahim Kamel and Ahmed Mustafa. "Dynamic Storage and Access Load Balancing for Answering Range Queries in Peer-to-Peer Networks", Springer International Journal of Peer-to-Peer Networking and Applications, vol. 4, no. 4, pp. 391-409, 2011.
17. Ibrahim Kamel, Zaher Al Aghbari and Thuraya Awad. "MG-Join: Detecting Phenomena and their Correlation in High Dimensional Data Streams", Springer International Journal on Distributed and Parallel Databases, pp. 67-92, vol. 28, no. 1, 2010.
18. Ibrahim Kamel, Zaher Al Aghbari and Ahmed Mustafa. "Efficient Range Queries in Spatial Databases over Peer-to-Peer Networks", Inderscience International Journal of Internet Protocol Technology, pp. 79-89, vol. 4, no. 2, 2009.
19. Zaher Al Aghbari and Salama Brook. "HAH Manuscripts: A Holistic Paradigm for Classifying and Retrieving Historical Arabic Handwritten Documents", Elsevier International Journal of Expert Systems With Applications, vol. 36, no. 8, pp. 10942-10952, Oct. 2009.
20. Zaher Al Aghbari "Effective Image Mining by Representing Color Histograms as Time Series" the International Journal of Advanced Computational Intelligence and Intelligent Informatics, vol. 13, no.2, pp.109-114, 2009.
21. Rana Malhas and Zaher Al Aghbari. "Interestingness Filtering Engine: Mining Bayesian Networks for Interesting Patterns", Elsevier International Journal of Expert Systems With Applications, vol. 36, no. 3, pp. 5137-5145, Apr. 2009.
22. Luiz Capretz, Faheem Ahmed, Shareef Al-Maati and Zaher Al Aghbari. "COTS-based Software Product Line Development", Emerald International Journal of Web Information Systems, vol. 4, no. 2, pp. 165-180, 2008.
23. Salama Saeed Brook and Zaher Al Aghbari. "Classification of Personal Arabic Handwritten Documents", WSEAS Transactions on Information Science and Applications, vol. 5, no. 6, pp. 1021-1030, 2008.
24. Ruba Al-Haj and Zaher Al Aghbari. "Semantic Segmentation Tree for Image Content Representation", International Journal on Virtual Technologies and Multimedia, vol. 1, no. 1, 2008.
25. Rana Malhas and Zaher Al Aghbari. "Efficient Discovery of Interesting Patterns Based on Bayesian Network Background Knowledge", UOS Journal of Pure and Applied Science, vol. 4, no. 3, Sep. 2007.
26. Zaher Al Aghbari. "Mining Image Classes Using Flexible Bayes". WSEAS Transactions on Information Science and Applications, vol. 4, no. 4, pp.707-712, Apr. 2007.
27. Rana Malhas, Zaher Al Aghbari. "An Efficient Bayesian Network Approach for Discovering Interesting Patterns". WIT Transactions on Information and Communication Technologies, vol. 37, pp. 103-113, 2006.
28. Zaher Al Aghbari and Ruba Al-Haj. "Building SSeg-Tree for Image Representation and Retrieval". ICGST International journal on graphics, vision, and image processing, special Issue on Image Retrieval and Representation, March, 2006

29. Zaher Al Aghbari and Ruba Al-Haj. "Hill-Manipulation: An Effective Algorithm for Color Image Segmentation". Elsevier International Journal on Image and Vision Computing, vol. 24, no. 8, pp. 894-903, Aug. 2006.
30. Zaher Al Aghbari. "Region-Based Semantic Image Classification". International Journal of Image and Graphics, vol. 6, no. 3, pp. 357-375, Jul. 2006.
31. Zaher Al Aghbari "*array-index: A plug&Search K Nearest Neighbors Method for High-Dimensional Data.*" Elsevier Journal of Data & Knowledge Engineering, Vol 52, no.3, pp 333-352, Mar. 2005.
32. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "*Content-Trajectory Approach for Searching Video Databases*". IEEE Transactions on Multimedia, vol.5, no.4, pp.516-531, Dec. 2003.
33. Zaher Aghbari, Akifumi Makinouchi. "*Semantic Approach to Image Database Classification and Retrieval*". National Institute of Information Journal, No.7, pp.1-8, Sep.2003.
34. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "*A Dimensionality Reduction Method for Efficient Search of High-Dimensional Databases*". IEICE Transactions on Information and Systems, Vol.E86-D, No.6, pp.1032-1041, Jun.2003.
35. Masaaki KUBO, Zaher AGHBARI, Kun-Seok OH, akifumi MAKINOUCI. "*Image Retrieval by Edge Features using Higher Order Autocorrelation in a SOM Environment*", IEICE Transactions on Information and Systems, vol.E86-D, no.8, pp.1406-1415, Aug. 2003.
36. Masaaki Kubo, Zaher Aghbari, Kun-Seok Oh, Akifumi Makinouchi. "*Content-Based Image Retrieval Technique using Wavelet-Based Shift and Brightness Invariant Edge Feature*". International Journal on Wavelets, Multiresolution and Information Processing (IJWMIP), Vol.1, No.2 (2003) 163-178. (Invited Paper)
37. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "*Towards Semantical Queries: Integrating Visual and Spatio-Temporal Video Features*". IEICE Transactions on Information and Systems, Vol. E83-D, No.12, pp. 2075-2087, Dec. 2000.

Book Chapters & Technical Reports

1. Laslo Dinges, Moftah Elzobi, Ayoub Al-Hamadi, Zaher Al Aghbari "Synthesizing Handwritten Arabic Text using Active Shape Models", Image Processing & Communications, Volume 102 of the series Advances in Intelligent and Soft Computing, pp 401-408, 2011.
2. Zaher Al Aghbari, "Classification of Categorical and Numerical data on Selected Subset of Features", Bayesian Network, Sciyo publisher, ISBN: 978-953-7619-X-X, Oct. 2010.
3. Takumi Ohashi, Zaher Al Aghbari, Akifumi Makinouchi, "Semantic Approach to Image Database Classification and Retrieval", IEIC Technical Report: Data Engineering, vol.103, no.192, pp.109-114, 2003.
4. Zaher Al Aghbari, Akifumi Makinouchi "Searching Videos by Their Time-Varying Features", IEIC Technical Report: Data Engineering, vol. 102, no. 208, pp.173-180, 2002.
5. Yaokai Feng, Masaaki Kubo, Zaher Al Aghbari, Akifumi Makinouchi. "NSBR*-tree: Building and Retrieving", IEIC Technical Report: Data Engineering, vol.101, no.192, pp..207-214, 2001.

6. Yaokai Feng, Masaaki Kubo, Zaher Al Aghbari, Akifumi Makinouchi. "A New SOM-based R*tree: Building and Retrieval", Research Reports on Information Science and Electrical Engineering of Kyushu University, 6 (2), pp. 209-214, 2001.

Conference Publications

1. Ayesha Talha, Ibrahim Kamel, Zaher Al Aghbari, "DISC: Query Processing on the Cloud Service Provider for Dynamic Spatial Databases" the 3rd International Conference on Multimedia Big Data, Laguna Hills, CA, USA, Apr. 19-21, 2017
2. Ayesha Talha, Ibrahim Kamel, Zaher Al Aghbari, "Secure kNN Queries over Outsourced Spatial Data for Location-based Services" the 12th International Conference on Innovations in Information Technology, Al-Ain, UAE, Nov. 28-30, 2016
3. Mohammed Ba-Hutair, Zaher Al Aghbari, Ibrahim Kamel "On Detecting Communities in Social Networks with Interests " the 12th International Conference on Innovations in Information Technology, Al-Ain, UAE, Nov. 28-30, 2016.
4. Mohammed N. Ba-Hutair, Zaher Al Aghbari, Ibrahim Kamel, "Social Community Detection based on Node Distance and Interest", The 3rd IEEE/ACM International Conference on Big Data Computing, Applications and Technologies (BDCAT), Dec. 6-9, Shanghai, China, 2016.
5. Jemal Abawajy, Zaher Al Aghbari, "Securing Websites against Homograph Attacks", International Workshop on Application and Technologies in Cyber Security (ATSC), Oct. 10, Guangzhou, China, 2016.
6. Zaher Al Aghbari, Imran Junejo, "Discovering Contrast Sets for Efficient Classification of Big Data", The 2nd IEEE International Conference on Open and Big Data (OBD-2016), IEEE CS-TCI, 22-24 August 2016, Vienna, Austria.
7. Hiba Jadallah, Zaher Al Aghbari, "Aman: Spatial Cloaking for Privacy-Aware Location-Based Queries in the Cloud", International Conference on Internet of things and Cloud Computing (ICC 2016), Mar. 22-23, 2016, Cambridge, UK.
8. Ayesha Talha, Ibrahim Kamel, Zaher Al Aghbari, "Enhancing Confidentiality and Privacy of Outsourced Spatial Data", IEEE International Conference on Cyber Security and Cloud Computing (IEEE CSCloud 2015), Nov. 3-5, 2015, New York, USA.
9. Rima Chaker, Imran Junejo, Zaher Al Aghbari, "Crowd Modeling using Social Networks", IEEE International Conference on Image Processing (ICIP 2015), September 27-30, 2015, Quebec City, Canada.
10. Zaher Al Aghbari, "Mining Big Data: Challenges and Opportunities", 18th International Conference on Enterprise Information Systems (ICEIS), April 27-30, 2015, Barcelona, Spain.
11. Zaher Al Aghbari, "Mining Semantic Classes of Image Databases ", Third International Conference on Software and Information Engineering, May 1-2, 2014, Singapore.
12. Kareem Kamel, Zaher Al Aghbari, Ibrahim Kamel. "Realistic Team Formation using Navigation and Homophily", International Conference on Big Data and Smart Computing (BigComp 2014), Jan. 15-17, 2014, Bangkok, Thailand.
13. Moftah Elzobi, Ayoub Al-Hamadi, Zaher Al Aghbari, Laslo Dinges, "GaborWavelet Recognition Approach for Off-line Handwritten Arabic Using Explicit Segmentation", 5th International Conference on Image Processing & Communications, Bydgoszcz, Poland, Sep. 2013.

14. Zaher Al Aghbari, Ayoub Al-Hamadi, "Simple and Compact International Conference on Indexing for Efficient KNN Search in High Dimensional Feature Space", 2nd International Conference on Intelligent Systems and Applications, Venice, Italy, Apr. 21-26, 2013.
15. Amany Abou Safia, Zaher Al Aghbari, Ibrahim Kamel, "A Study on Group Head Election for Detecting Phenomena in Mobile WSN", the 9th International Conference on Innovations in Information Technology, Al-Ain, UAE, Mar. 17-19, 2013.
16. Imran Junejo, Zaher Al Aghbari, "Human Action Recognition using Time Series Representation", International Conference on Next Generation Technologies, STEM Dec. 2012, Dhahran, KSA.
17. Zaher Al Aghbari, Ayoub Al-Hamadi, "Fast Search of Sequences of Multiple Moving Objects", International Conference on Management and Artificial Intelligence, Bangkok, Thailand, Apr. 7-8, 2012.
18. Kareem Kamel, Noor Tubaiz, Osama Alkoky, Zaher Al Aghbari, Ibrahim Kamel "Toward Forming an Effective Team Using Social Network" the 7th International Conference on Innovations in Information Technology, Abu Dhabi, UAE, Apr. 25-27, 2011
19. Amany Abou Safia, Zaher Al Aghbari "Searching Data Streams for Variable Length Anomalies" the 7th International Conference on Innovations in Information Technology, Abu Dhabi, UAE, Apr. 25-27, 2011
20. Moftah Elzobi, Ayoub Al-Hamadi, Zaher Al Aghbari "Off-line Handwritten Arabic Words Segmentation Based on Structural Features and Connected Components Analysis" 19th International Conference on Computer Graphics, Visualization and Computer Vision, Pilsen, Czech Republic, Jan. 2011.
21. Zaher Al Aghbari "Efficient Categorical and Numerical Classification on Selected Subset of Features" International Conference on Intelligent Network and Computing (ICINC 2010), Kuala Lumpur, Nov. 2010.
22. Walid Elbarouni, Zaher Al Aghbari, Ibrahim Kamel "Distributed Scheme for Cluster Detection in Multiple Data Streams" 2nd Undergraduate Research Conference, Dubai, UAE, May 2010. (abstract)
23. Adnan Saadeddin, Zaher Al Aghbari, Ibrahim Kamel "Tracking and Mining Phenomena Clusters in a Sensor Network Environment" 2nd Undergraduate Research Conference, Dubai, UAE, May 2010. (abstract)
24. Zaher Al Aghbari, Salama Brook. "Word Stretching for Effective Segmentation and Classification of Historical Arabic Handwritten Documents". 3rd International Conference on Research Challenges in Information Science (RCIS 2009), Morocco, Fes, April 2009.
25. Ahmed Mustafa, Zaher Al Aghbari, Ibrahim Kamel. "Efficient Range Queries in Spatial Peer-to-Peer Networks" the 5th International Conference on Innovations in Information Technology, Al Ain, UAE, Dec. 16-18, 2008.
26. Rana Malhas, Zaher Al Aghbari. "Using Sensitivity of a Bayesian Network to Discover Interesting Patterns". 6th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA 2008), Qatar, Mar. 31 – Apr. 3, 2008.
27. Salama Brook, Zaher Al Aghbari. "Holistic Approach for Classifying and Retrieving Personal Arabic Handwritten Documents" WSEAS 7th International Conference on Artificial Intelligence, Knowledge Engineering, and Data Bases (AIKED 08), Cambridge, UK, Feb. 20-22, 2008.

28. Thuraya Awadh, Ibrahim Kamel, and Zaher Al Aghbari. "An Efficient Scheme for Detecting Phenomena in Multiple Data Streams". The 4th International Conference on Innovations in Information Technology, Dubai, UAE, Nov. 2007.
29. Zaher Al Aghbari. "Image Mining by Representing Image Color Distribution with Time Series" The 8th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2006), Yogyakarta, Indonesia, Dec. 2006.
30. Salama Brook, Zaher Al Aghbari. "Off-line Segmentation of Arabic Handwritten Image Documents into Word Images" The 8th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2006), Yogyakarta, Indonesia, Dec. 2006.
31. Rana Malhas, Zaher Al Aghbari. "An Efficient Bayesian Network Approach for Discovering Interesting Patterns". 7th International Conference on Data Mining and Information Engineering, Prague, Czech, July, 2006.
32. Zaher Al Aghbari, Ruba Al-Haj. "Building SSeg-Tree for Image Representation and Retrieval". The 5th ICGST International Conference on Graphics, Vision and Image Processing (GVIP 2005), Cairo, Egypt, Dec. 2005.
33. Ruba Al-Haj, Zaher Al Aghbari. "Semantic Segmentation Tree for Image Content Representation". The 7th International Conference on Information Integration and Web-based Application & Services (iiWAS 2005), Kuala Lumpur, Malaysia, Sep. 2005.
34. Zaher Al Aghbari, Rachid Sammouda, Jamal Abu Hassan. "Bayesian Based Classifier for Mining Image Classes". IADIS International Conference on Applied Computing (AC 2005), Algarve, Portugal, Feb. 2005.
35. Zaher Al Aghbari, Ruba Al-Haj. "*Hill-Manipulation: An Effective Algorithm for Color Image Segmentation*". IASTED International Conference on Internet, Multimedia Systems and Applications (EuroIMS 2005), Grindelwald, Switzerland, Feb. 2005.
36. Zaher Al Aghbari, Akifumi Makinouchi. "Linearization Approach for Efficient KNN Search of High-Dimensional Data", the 5th International Conference on Web-Age Information Management (WAIM 2004), Dalian, China, July 2004: Springer-Verlag Lecture Notes in Computer Science.
37. Takumi Ohashi, Zaher Aghbari, Akifumi Makinouchi. "*Fast Segmentation of Texture Image Regions based on Hill-Climbing*", IEEE Pacific Rim Conference on Communications, Computers, and Signal Processing (PacRim 2003), Victoria, Canada, August 2003.
38. Zaher Aghbari, Akifumi Makinouchi. "*Extending MPEG-7 Description Scheme of Moving Regions By the Semantic Visual-Spatio-Temporal Relationships*". IEEE International Conference on Multimedia and Expo (ICME 2003), Baltimore, USA, June 2003.
39. Takumi Ohashi, Zaher Aghbari, Akifumi Makinouchi. "*Hill-Climbing Algorithm for Efficient Color-Based Image Segmentation*", IASTED International Conference on Signal Processing, Pattern Recognition and Applications (SPPRA 2003), Rhodes, Greece, June 2003.
40. Zaher Aghbari, Akifumi Makinouchi. "*Time-Varying Features for Modeling Moving Video Objects*". International Conference on Optical Communication and Multimedia, Korea, November 2002. (Invited Paper).
41. Kun-Seok Oh, Zaher Aghbari, Pan-Koo Kim. "*Fast k-NN Image Search with Self-Organizing Maps*". Springer-Verlag, Lecture Notes in Computer Science, The 5th International Conference on Image and Video Retrieval, London, UK, July 2002.

42. Yaokai Feng, Masaaki Kubo, Zaher Aghbari, Akifumi Makinouchi. "A Proposal of Index for High-dimensional Static Databases". Proc. International Workshop on Information & Electrical Engineering (IWIE 2002), page 47-52, Korea, May 16-17, 2002.
43. Zaher Aghbari, Kun-Seok Oh, Yaokai Feng, Akifumi Makinouchi. "SOM-Based K-Nearest Neighbors Search In Large Image Databases". The sixth IFIP International Working Conference on Visual Database Systems (VDB-6), May 2002, Brisbane, Australia. ISBN 1-4020-7060-8.
44. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "Topological Modeling: A Dimensionality Reduction Method for Video Search". ACM 17th International Symposium on Applied Computing (ACM SAC 2002), March 2002, Madrid, Spain.
45. Masaaki Kubo, Zaher Aghbari, Kun-Seok Oh, Akifumi Makinouchi. "A Wavelet-Based Image Indexing, Clustering, and Retrieval Technique Based on Edge Feature". The 2nd International Conference on Wavelet Analysis and Its Applications, Hong Kong, China, Dec., 2001.
46. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "Modeling and Querying Videos by Content Trajectories". IEEE International Conference on Multimedia and Expo (ICME 2000), New York, July 2000.
47. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "VST Model: A Uniform Topological Modeling of the Visual-Spatio-Temporal Video Features." IEEE International Conference on Multimedia Computing and Systems (ICMCS'99), vol. 2, pp.163-168, Florence, Italy, June 1999.
48. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "A Motion-Location Based Indexing Method for Retrieving MPEG Videos." 9th International Workshop on Database and Expert Systems Applications (DEXA'98), Vienna, Austria, pp.102-107, Aug. 1998.
49. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "A Motion-Based Indexing and Retrieval for MPEG Coded Video Shots". 9th Data Engineering Workshop (DEWS'98), Japan, Mar. 1998.
50. Zaher Aghbari, Kunihiko Kaneko, Akifumi Makinouchi. "New Indexing Method for Content-Based Video Retrieval and Clustering for MPEG Video Database." International Symposium on Digital Media Information Base (DMIB'97), pp.140-149, Nov.1997, Nara, Japan.

Academic Activities

- **Editorial Board Member of the following journals:**
 - Associate Editor of the Journal of Data Mining and Knowledge Discovery (JDMK), Published by Bioinfo Publications, 2010-2014.
 - Editor of the International Journal of Data Engineering (IJDE), published by CSC Press, 2010-now.
 - Editor of the Journal of Recent Patents on Telecommunications, published by Bentham Science, 2011-2013.
 - Editor of the American Journal on Database Theory and Applications, Dec. 2011-now
 - Editor of the International Journal on Advances in Software, Jan. 2012 – now
 - Editor of the International Journal on Informatics & IT today (IIT), May 2013 – now, Publishing society Ltd., Zilina, Slovakia.
- **Technical Program Committee member for the following conferences:**
 - the World Multiconference on Systemics, Cybernetics and Informatics, (SCI 2002) and (SCI2003).
 - ACM SAC 2003, 2004.

- IASTED Web, Internet & Multimedia committee, 2003.
- IADIS International Conference on Applied Computing, 2004, 2005, 2006, 2007, 2010, 2011, 2012, 2013, 2014, 2017.
- IASTED International Conference on Internet & Multimedia Systems & Applications, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011.
- IADIS Virtual Multi Conference on Computer Science and Information Systems, 2005, 2006, 2007, 2008.
- ACS/IEEE International Conference on Computer Systems and Applications (AICCSA) – Database and Data Mining Track, 2006, 2007, 2008, 2014.
- International Conference on Information Technology (ICIT), 2006, 2007, 2008, 2009, 2010, 2011.
- IEEE International Symposium on Signal Processing and its Applications (ISSPA), 2007.
- IEEE International Conference on Information Reuse and Integration (IRI), 2008.
- International Conference on Information Integration and Web-based Application and Services (iiWAS), 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016.
- International Conference on Trends in Information Technology and Applications (ICTITA), 2010.
- the 2nd International Conference on Network Applications, Protocols and Services (NETAPPS), 2010.
- International Conference on Advances in Information Mining and Management (IMMM), 2011, 2012, 2013, 2014, 2015, 2016.
- International Conference on Information Technology and e-Services (ICITeS 2011), 2012.
- International Conference on Information Retrieval Societies (AIRS 2011).
- International Conference on Computing, Communications and Applications (ComComAp 2012).
- International Conference on Communications and Information Technology (ICCIT-2012).
- International Conference on Internet Applications and Research (IAR 2012)
- International Conference on Education and E-Learning Innovations (ICEELI 2012).
- International Conference on Smart Communications in Network Technologies 2013 (SaCoNeT 2013)
- International Workshop on Computational Approaches to Arabic Script-based Languages, 2012 (CAASL4 2012)
- First International Conference on Advances in Computing, Communications and Informatics (ICACCI) 2012, 2013, 2014, 2015
- IEEE International Conference on Computer Systems and Industrial Informatics (ICCSII'12)
- Workshop on Advances in Data Management, ADM 2013.
- IEEE International Conference on Machine Learning and Applications (ICMLA), 2013, 2014,2015
- International Workshop on Big Data Search and Mining (IWBSM-2014)
- Euro-Asia Conference on Computational Intelligence and Communication Networks (EACCI 2014).
- ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL GIS), 2014, 2015, 2016, 2017.
- International Conference on Software and Information Engineering (ICSIE 2014)
- IEEE International Conference on Computer, Communication, and Control Technology (I4CT), 2014, 2015
- IARIA the International Conference on Intelligent Systems and Applications (INTELLI), 2014, 2015, 2016.
- IARIA International Conference on Advanced Geographic Information Systems (GEOProcessing), 2016, 2017.
- IEEE International Conference on Informatics, Health & Technology (ICIHT), 2017.
- International Conference on Innovations in Information Technology (IIT'16), 2016
- Tetuan International Conference on Education & Technology (TICET), 2017

- **Reviewer for the following journals:**
 - IEEE Transactions on Multimedia, IEEE, 2002, 2003, 2005.
 - International journal on Data and Knowledge Engineering, 2006.
 - UOS Journal of Pure and Applied Sciences, 2006, 2007.
 - ENCYCLOPEDIA OF DATABASE TECHNOLOGIES AND APPLICATIONS. 2nd. Ed., published by Idea Group Inc., 2006.
 - International Journal on Image Processing, CSC Journals Press, 2009.
 - International Journal on Multimedia Tools and Applications, Springer, 2010
 - International Journal on Knowledge and Information Systems, Springer, 2010, 2011, 2012, 2013, 2014, 2016
 - International Journal on Parallel and Distributed Databases, Springer, 2010
 - International Journal on Parallel and Distributed Computing, Elsevier, 2011, 2012
 - International Journal on Networks and Computer Applications, Elsevier, 2011, 2012
 - International Journal on Information Sciences, Elsevier, 2011
 - International Journal on Pattern Recognition Letters, Elsevier, 2011
 - International Journal of Electrical and Computer Engineering, Hindawi, 2013
 - International Journal On Advances in Software, IARIA, 2013.
 - IEEE Transaction on Knowledge and Data Engineering, TKDE, 2014.
 - Journal of Computational Intelligence, Wiley, 2014
 - Inderscience International Journal of Computational Science and Engineering, IJCSE, 2016

- **Session/Panel Chair at**
 - Session chair at EuroIMSA 2005, Session title: “Data Management, Image, and Information Retrieval”, 2005.
 - Session Chair at the International Conference on Information Integration and Web-based Application & Services (iiWAS): Session title: “Information Retrieval I”, 2006.
 - Panel Chair for a Panel Discuss entitled "GIS in UAE: Directions & Collaboration" at the "1st Sharjah Geographic Information Systems Symposium", 2007.
 - Panel Chair for panel discussion entitled " Importance of Information Security in the Arab World" at the Recent Advances in Information Security Symposium, University of Sharjah, UAE, 2008.
 - Session Chair for "Data Mining" at the 4th International Conference on Innovations in Information Technology (IIT), UAE, 2007.
 - Session Chair for “Multimedia” at the International Conference on Multimedia Computing and Information Technology, MCIT 2010, Sharjah, UAE.
 - Session Chair at the Second International Conference on Arabs' & Muslims' History of Sciences (ICHS 2014), University of Sharjah, Sharjah, UAE
 - Session Chair at the 2nd IEEE International Conference on Open and Big Data conference (OBD 2016), Vienna, Austria.
 - Mini-Track Chair at International Conference on Innovations in Information Technology (IIT 2016), Al-Ain, UAE

- **Organized the following conferences:**
 - General Co-Chair for the International Conference on Multimedia Computing and Information Technology (MCIT), University of Sharjah, March 2010.
 - Co-chair for Program at the "1st Sharjah Geographic Information Systems Symposium", University of Sharjah, 2007.
 - Organizing Committee member of "Recent Advances in Information Security" Symposium, at University of Sharjah, UAE, 2008.
 - Organizing committee member (Web Master) for “First Arab and Muslem History of Sciences” Conference, at UoS, 2008, 2009.
 - Chair of Organizing Committee of the 2nd Annual Graphics, Image Processing and Multimedia Databases Symposium (GIM), 2009.

- Steering Committee member of “Database Operations and Development Symposium” American University at Dubai, April 2010.
- Publicity Chair of International Conference on Advances in Information Mining and Management (IMMM 2011, 2012, 2013)
- Vice-Program co-chair for “Social Computing” in Arab International Conference on Computer Systems and Applications (AICSSA'2013),
- Organizing Committee member of International Conference on Computational and Network Technologies (ICCNT 2014).
- Organizing Committee member of the 5th International Arab Conference on Quality Assurance in Higher Education (IACQA 2015).

- **Community service:**

- Judge at the UAE National Programming Contest, 2005, 2007.
- Judge at the UOS Programming Contest, 2003, 2005, 2006, 2007, 2008, 2009.
- Chief Judge at the UOS Programming Contest, 2004.
- Member of UOS-Itisalat Joint Ad hoc Committee to establish a laboratory for advanced communication research, 2010-2011.
- Head of the UOS evaluation committee for high school students’ IT related projects at AlShola Private High School, May 2011, May 2012, May 2013.
- Member of the evaluation committee for high school students’ IT Contest projects at University of Sharjah, Science Festival, May 2011
- Judge at the Intel Competition – Arab World 2011 at the University of Sharjah.
- Member of the Central Committee of the 3rd Sharjah Science Festival, organized by College of Sciences in collaboration with Sharjah Education Council, 2013.
- Member of the Judging Panel of the Think Science Competition, April 19-22, 2014.
- Member of a joint committee from UoS and Sharjah City for Humanitarian Services to investigate collaboration with Republic of Korea to study the Rehabilitation Engineering and the technical support services. Sep. 2014.
- Member of a joint committee with Ministry of Education to participate in authoring and reviewing textbooks, Jan. 2016.
- Member of a joint committee with the Ministry of Culture, Youth and Community Development to collaborate in developing Smart Apps, Jan. 2016.
- Member of the Judging Panel of the Think Science Competition, April, 2016.
- Member of the Judging Panel of the Think Science Competition, April, 2017.

- **International Community service:**

- UAE representative in the international Machine Intelligence Labs Network (MIR Labs) <http://www.mirlabs.org/uae.php>
- External Advisor for the Department of Computer Science, College of Sciences and Humanities, Salman Bin Abdul Aziz University, KSA (2015)
- Reviewer for project proposals of King Abdulaziz City for Science and Technology (KACST), 2013-now.
- Reviewer for project proposals of Telecommunication Regulatory Authority (TRA) – ICT Fund, 2012-now.
- Organized a workshop on Program Self Study as part of the IACQA 2015, Mar. 2nd, 2015.
- Organized a workshop on Student Learning Outcomes and Assessment as part of the IACQA 2015, Mar. 2nd, 2015.

- Chaired the committees at the both the department level and college that developed the 5-year strategic plan for teaching and learning for the department of Computer Science and college of Sciences, respectively, (2007-2008).
- Developed /Improved several new/existing academic programs under the Department of Computer Science, 2008-2009:
 - Chair of the committee that developed the IT Multimedia program (BSc. degree), 2008-2009
 - Chair of the committee that developed the IT Business program (BSc. degree), 2008-2009
 - Chair of the committee that developed the IT Network program (BSc. degree), 2008-2009
 - Chair of the committee that modified/improved the curriculum of the MSc. in Computer Science program, 2009.
 - Member of the committee that developed Software Engineering program (BSc. degree), 2006, 2007.
- Chaired the committees that developed and submitted the accreditation documents for :
 - Re-accreditation of the BSc. Computer Science program, 2008-2009
 - Initial accreditation of the IT Multimedia program, 2009-2010
 - Re-accreditation of the MSc. Computer Science program., 2009-2010
- Chaired the committees that developed and submitted the ABET accreditation documents for :
 - Initial accreditation of the BSc. Computer Science program, (submitted July 2015)
 - Initial accreditation of the IT Multimedia program, (submitted July 2015)

Leadership and Administrative Work

- **Head of the Department of Computer Science, College of Sciences, 2008,-2012.**
- **Head of the Department of Computer Science, College of Sciences, 2014,-Present**
- **Membership of Advisory boards**
 - Member of the University Academic Advisory Council (UAAC), 2012-2013.
 - Member of the Advisory Board for the Center of Entrepreneurship, College of Business, University of Sharjah, 2012-2013.
 - Member of the IT Advisory Committee, University level, 2013-2014.
 - Member of the ad hoc Advisory Committee for the Research Institute of Sciences and Engineering, Mar. 2015.
 - Member of IT Center Steering Committee, UoS, 2016-2017.
- **Chaired the following committees:**
 - Website Development Committees at the University, College and Department levels, 2005, 2006, 2007.
 - College Strategic Plan: Teaching and Learning Committee, 2007, 2008.
 - Department Strategic Plan: Teaching and Learning Committee, 2007, 2008.
 - Graduate Program Committee at the Department level, 2005, 2006, 2008-2011.
 - Seminars at the Department of Computer Science. 2004, 2005.
 - Timetable coordinator of the Department of Computer Science, 2007, 2008.
 - Curriculum & Accreditation Committee at the department level, 2009-2011, 2014-2016.
 - Appointment Committee at the department level, 2009-2011, 2014-2016.

- Publicity Committee at the department level, 2009, 2010.
- Coordinator of the Microsoft Tools Workshops for high school teachers that is organized by University of Sharjah in collaboration with the Sharjah Educational Council, 23 Jan – 2 Feb, 2012.
- Space Management Software Ad hoc Committee at University Level, 2016.

- **Member of the following committees:**

- Graduate Studies Council at the University level, 2007, 2008, 2009, 2010.
- Graduate Program Committees at the college levels, 2007, 2008, 2009, 2010.
- Graduate Program Committees at the department level, 2007, 2008, 2009, 2010, 2011, 2012, 2013.
- University Strategic Plan: Teaching and Learning Committee, 2007, 2008.
- Digital Library Diploma Committee at the University level, 2005.
- Research and Conferences Committee at the College level, 2006, 2013.
- Joint committee between UoS and Sharjah Government “to study the relationship between the Learning and the market needs”, 2008. 2009.
- Peer Evaluation Committee at the department level, 2007, 2008, 2011, 2013.
- Curriculum Committee at the department level, 2007, 2008, 2013.
- Ad hoc Committee for selection of the IT Center Director for UoS, 2008.
- College of Sciences Council, 2008, 2009, 2010, 2011, 2012, 2013, 2014-2015, 2015-2016, 2016-2017.
- College Promotion Committee, 2009-2010, 2014-2015, 2015-2016, 2016-2017.
- College Recruitment and Renewal Committee, 2014-2015, 2015-2016, 2016-2017.
- College budget committee, 2008.
- University Questionnaires Committee, 2009-2010.
- Evaluation committee for University students Awards, 2009-2010
- Strategic Research in Sustainable Infrastructure Domain Committee at the University level, 2009-2010
- College Advising Committee, 2010-2011
- Member of an ad hoc committee at the University level to study the “Student Laptop Program” project, 2011-2012.
- Institutional Effectiveness and Academic Accreditation Committee at the University level, 2011-2012, 2012-2013, 2013-2014.
- Member of Annual Incentive Award for Outstanding Faculty in Research Committee for 2013-2014
- Member of the Recruitment & Contract Renewal Committee, College level, 2013-2014.
- Member of the Research Development Committee, University level, 2013-2014.
- Member of a committee to identify common areas of research interest between Herriot Watt University and UOS, Feb. 2015.
- Member of the Appointment and Contract Renewal Committee, College level, 2014-2015.
- Member of the Promotion Committee, College level, 2014-2015.
- Member of ad hoc committee to select a chairman for the Department of Biotechnology, College level, 2014-2015.
- Member of ad hoc committee to propose program study plans with minor in astronomy science, University level, 2014-2015.
- Member of ad hoc committee to develop a new online form and process for evaluating UOS faculty members, University level, 2014-2015.
- Member of the ad hoc Internal Advisory Committee for the Research Institute for Sciences & Engineering, University level, 2014-2015.
- Member of the ad hoc committee to evaluate the students’ intelligent application projects, University level, 2014-2015.
- Member of the ad hoc committee to specify the role of a lecturer in the colleges, University level, 2015-2016.
- Member of the ad hoc committee to propose a Consultation Office at UoS, University level, 2015-2016.

- Member of the ad hoc committee to Review the Conference Attendance Guidelines, University level, 2015-2016.
 - Member of the ad hoc committee to follow up and supervise the establishment of the Sharjah Center for Sciences and Technology, University level, May 2016.
- **Professional Development:**
 - Attended the e-Learning Forum, Mar. 2006, at University of Sharjah.
 - Attend e-Government Workshop, 9 November, 2005, Sharjah, UAE.
 - Attended training sessions on blackboard organized by the University of Sharjah, 2005.
 - Attended the symposium on Outcome-based Education and Assessment, 22-25 January, 2006, Sharjah, UAE
 - Attended a short course in Pattern Recognition at the College of Engineering, UOS, delivered by Prof. Mohamed Sheriet, March 19 – April 2, 2007
 - Attended the "Approaches to Quality Enhancement" Workshop, Dec. 10-11, 2007 by British Counsel.
 - Attended the "Strategic Planning" Workshop, Dec. 16-17, 2007 by University of Sharjah.
 - Attended the "Team-based Learning in Higher Education" Workshop, UoS, Nov, 2009.
 - Attended a workshop on "Leadership in Higher Education", UoS, Dec. 10, 2011
 - Attended a Conference on "Arab Network, for Quality Assurance in Higher Education", (ANQAHE), Abu Dhabi, Dec. 14-15, 2011.
 - Attended the Microsoft Faculty Development Workshop, 29 May 2013.
 - Attended the GCC Social Media Summit, Sep. 1-3, 2013, Dubai,
 - Attended the ABET Workshop on Fundamentals of Program Assessment, March 2nd, 2015, Dubai.
 - Attended the Workshop on University ByLaws of College Leading Positions, Nov. 24-26, 2015, UoS.
 - Attended the training program on Teaching in the New Era, Dec. 07-09, 2015, Institute of Leadership in Higher Education, UoS.
 - Discussion group member of the Workshop on Smart and Connected Health, Feb. 21-22, 2016, College of IT, UAE University.
 - Attended the Promotion Guidelines Workshop, May 19, 2016, UoS.
 - Participated in the Digital Education Show Middle East 2016 (15-16 November 2016 – Dubai).
 - Attended the "Development of Leadership Skills", Jan. 18, 2017, IEEE-UAE, Dubai

Assorted Honors

- US AID Scholarship (May 1983 to December 1987)
- Dean's List (Most quarters at Florida Institute of Technology)
- Monbusho, Japanese Ministry of Education, Scholarship (April 1995 to March 2001)
- Recognition Award for Outstanding Service, Sep. 2005, University of Sharjah.
- Annual Incentive Award for Outstanding Faculty in Research for 2007-2008.
- Recognition Award for Distinguished Faculty, College of Sciences, University of Sharjah, for the two academic years: 2007-2008 and 2008-2009.
- Annual Raise for Outstanding Faculty for 2010-2011.
- Annual Incentive Award for Outstanding Faculty in Research for 2012-2013.
- Best MSc thesis award at the 9th Annual Scientific Research Forum, 2015, of supervised student Rima Chaker.