

Mohamed Kholief

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Bibliography

Dr. Mohamed Kholief is a Professor of Computer Science at the Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt). He obtained his Ph.D. in Computer Science from Old Dominion University (USA) in August 2003. He obtained his MS and B.Sc. in Computer Science from Alexandria University (Egypt) in 1998 and 1991 respectively.

Dr. Kholief is currently the Head of the Information Systems Department and the Software Engineering Department at the College of Computing and Information Technology in AASTMT. He was previously the College Deputy for Academic and Students Affairs, and the Head of the Computer Science and the Multimedia and Computer Graphics Departments. Dr. Kholief used to work for California University of Pennsylvania and was an Adjunct faculty at the Computer Science Department, Virginia Tech University, USA.

Dr. Kholief has taught many Computer Science courses throughout his career, including: Database Systems, Structure of Programming Languages, Data Structures, Object-oriented Programming, Problem Solving, Data Science, Advanced Database Systems at the undergraduate level, and Advanced Database Systems and Theory of Programming Languages at the graduate level. He taught in both Arabic (in Egypt) and English (in the United States). He also taught online courses for California University of Pennsylvania and for AASTMT (during the Corona Pandemic)

He has more than 60 research publications at various journals/conferences in the areas of: Digital Libraries, Information Retrieval, Software Engineering, and Natural Language Processing. He supervised/is supervising more than 40 graduate students at both the MS and Ph.D. levels.

Dr. Kholief has participated in many funded research projects while he was in the United States and after returning to Egypt. He received funding from ITIDA, VT MENA's SmartCI center at Alexandria University, Qatar Foundation, and California University of Pennsylvania. He has also participated in projects funded by NSF and NASA.

Education

- Ph.D. in Computer Science, Old Dominion University, Norfolk, VA, August 2003. Dissertation: Event-Based Retrieval from Digital Libraries Containing Data Streams. (GPA: 4.0/4.0)
- MS. in Computer Science and Automatic Control, Alexandria University, Egypt, February 1998. Thesis: Behavior of Task Scheduling Algorithms for Probabilistic Module Execution Times. (GPA: 3.5/4.0)
- B.Sc. in Computer Science and Automatic Control, Distinction with degree of Honor, Alexandria University, Egypt, June 1991. Graduation Project: A Decision Support System for Faculty Manpower Planning. (GPA: 3.8/4.0)

Academic Experience

Dec 2016-now: Professor at the College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Jan 2011-Nov 2016: Associate Professor at the College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Nov 2008-Dec 2010: Assistant Professor at the College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Jan 2006-Nov 2008: Assistant Professor at the Department of Computer Engineering, College of Engineering , Arab Academy for Science, Technology and Maritime Transport (AAST) (Alexandria, Egypt)

Aug 2002-Dec 2005: Assistant Professor, Math and Computer Science Department, California University of Pennsylvania (CUP), USA

Professional Experience

Jan 2017-now: Head of the Information Systems Department and the Software Engineering Department, College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Sept 2014-Dec 2016: Head of the Information Systems Department and the Multimedia and Computer Graphics Department, College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Jan 2015-now: Board Member, Computer Scientific Society (Alexandria, Egypt)

Apr 2013-Sept 2014: College Deputy for Academic and Students Affairs, College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Jun 2010-Apr 2013: Head of the Computer Science Department and acting head of the college educational departments, College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Nov 2008-Dec 2010: Assistant Professor at the College of Computing and Information Technology, Arab Academy for Science, Technology, and Maritime Transport (Alexandria, Egypt)

Jan 2007-Jan 2012: Adjunct Assistant Professor, Computer Science Department, Virginia Tech University, USA

Jan 2006-Nov 2008: Assistant Professor at the Department of Computer Engineering, College of Engineering , Arab Academy for Science, Technology and Maritime Transport (AAST) (Alexandria, Egypt)

Aug 2002-Dec 2005: Assistant Professor, Math and Computer Science Department, California University of Pennsylvania (CUP), USA

May 1996-Aug 2002: Graduate Research Assistant, Computer Science Department, Old Dominion University (Norfolk, VA), USA

Teaching Experience

Taught/Teaching the following courses at the Arab Academy for Science, Technology and Maritime Transport:

- *Undergraduate:*
 - *College of Computing and Information Technology:* Problem Solving and Programming Concepts, Object Oriented Programming (Using JAVA), Discrete Structures, Data Structures, Database Systems (Database Design I), Web Programming, Advanced Database Systems (Database Design II), Structure of Programming Languages (including functional programming using Haskell and/or Python), Introduction to Data Science and Big Data Analytics

- *College of Engineering*: Introduction to Computers, Structured Programming (Using C), Introduction to Programming (Visual Basic), Programming Applications, Digital Logic Design, Introduction to Microprocessors, Digital Electronics and Microprocessors, Computer Organization,
- *University of Sunderland, UK (joint program)*: Introductory Software Engineering, Intermediate Software Engineering, Intermediate Application Building, Database Systems Development
- *Diploma*: Visual Programming (using Java), Data Structures and Algorithms (Using C), Web Programming, Computer Organization, Introduction to Programming (using C), Object-Oriented Programming (using JAVA), Database Systems
- *Masters*: Network Applications, Advanced Database Management, Theory of Programming Languages, Advanced Programming Languages (for the Computer Engineering department)
- *MBA*: Introduction to Management Information Systems and E-Commerce.

Taught the following courses at Virginia Tech University, USA:

- *On Campus*: Database Systems, Digital Library Concepts (graduate)
- *DLI (Distance Learning Instructor)*: Advanced Operating Systems, Advanced Database Management, Theory of Algorithms

Taught the following courses at California University of Pennsylvania, USA:

- *Undergraduate*: Theory and Design of Databases, Web Programming, C Programming, Senior Project II, Senior Project I: Software Engineering, Microcomputers and Applications, Problem Solving and Programming Constructs, Windows and the Internet, Computer Operations, Visual Programming, Business Statistics
- *Graduate*: Computer-Oriented Research

Publications

ORCID ID: <https://orcid.org/0000-0002-0043-6205>

Google Scholar Profile: <http://scholar.google.com.eg/citations?user=-z2fMv8AAAAJ>

Scopus ID: 6602356086

Journal articles

1. Ahmed Maghawry, Mohamed Kholief, Yasser Omar, Rania Hodhod, "An Approach for Evolving Transformation Sequences Using Hybrid Genetic Algorithms", *International Journal of Computational Intelligence Systems*, Vol 13, Issue 1, 2020, Pages: 223 - 233
2. MOHAMED ALI, SAID FATHALLA, MOHAMED KHOLIEF, YASSER HASSAN, "SEMANTIC RELATIONS EXTRACTION FOR ONTOLOGY CONSTRUCTION: A SURVEY", *ICIC express letters. Part B, Applications: an international journal of research and surveys* 10 (8): 2019.8 p.673-680
3. Mohamed Ali, Said Fathalla, Shima Ibrahim, Mohamed Kholief, Yasser Hassan, "CLOE: A Cross-Lingual Ontology Enrichment Using Multi-Agent Architecture", *Enterprise Information Systems*, Volume 13, 2019 - Issue 7-8, Pages 1002-1022
4. Mohamed Ali, Said Fathalla, Shima Ibrahim, Mohamed Kholief, Yasser Hassan, "Cross-Lingual Ontology Enrichment Based on Multi-Agent Architecture", *Elsevier, Procedia Computer Science*, Volume 137, 2018, Pages 127-138
5. Ayah M. Hassan, Yasser F. Hassan, and Mohamed H. Kholief, "A Deep Classification System for Medical Data Analysis", *J. Med. Imaging Health Inf.* 8, 250–256 (2018)
6. A. H. Moawad, Ahmed M. Gadallah, Mohamed H. Kholief, "Fuzzy Ontology Based Approach for Flexible Association Rules Mining, submitted to the *International Journal of Advanced Computer Science and Applications (IJACSA)*, May 2017

7. *A. H. Moawad, Ahmed M. Gadallah, Mohamed H. Kholief*, "AN ENHANCED APPROACH FOR ASSOCIATION RULES MINING BASED ON FUZZY ONTOLOGY", submitted to Ein Shams Computer Science Journal, May 2017
8. *Amr Abdelrahman, Ali El-Bastawissy, Mohamed Kholief*, "Inconsistency Resolution In The Virtual Database Environment Using Fuzzy Logic ", International Journal of New Computer Architectures and their Applications (IJNCAA) 6(2): 65-72 The Society of Digital Information and Wireless Communications, 2016 ISSN 2220-9085 (Online); ISSN 2412-3587 (Print)
9. *Ihab Elaff, Ali El-Kemany, Mohamed Kholief*, "Generation of Universal and Stable Medical Images for Tissues Segmentation (Unistable Method)", Turkish Journal of Electrical Engineering and Computer Sciences, E-ISSN:1303-6203, ISSN: 1300-0632, Available online: 24-03-2016.
10. *Walid Mohamed Aly, Mohamed Kholief, Eslam Adel Kamel*, "Intelligent Cloud Based Decision Support Framework for Smart Grid", International Journal of Computer and Information Technology (ISSN: 2279 – 0764) Volume 05 – Issue 01, January 2016
11. *Mohamed Samir Abdel-Moneim, Ali Hamed El-Bastawissy, Mohamed Hamed Kholief*, " Data Quality Based Data Integration Approach", WCSIT, Vol. 5, No.10 2015
12. *Noha S. Tawfik, Sherin M. Youssef, Mohamed Kholief*, "A Hybrid Automated Detection of Epileptic Seizures in EEG Records", Computers and Electrical Engineering (2015), <http://dx.doi.org/10.1016/j.compeleceng.2015.09.001>
13. *Yaman Kannot, Mohamed Kholif and Amani A Saad*. Article: Semantic Doctor Assistant: An Ontology-based Disease Classification in Biomedicine. International Journal of Computer Applications 127(2):1-4, October 2015. Published by Foundation of Computer Science (FCS), NY, USA
14. *R. A. Al-Kafoury, M. Kholief, A. Shoukry*, " TOWARDS A MORE ACCURATE CONTENT BASED IMAGE RETRIEVAL USING KD-TREE AND DBSCAN", International Journal of Intelligent Computing and Information Science (IJICIS), Vol.13, No. 3 July 2013, p. 29-39
15. *Mohamed Kholief, Nader Nada, Wedian Khedr*, "ONTOLOGY-ORIENTED INFERENCE-BASED LEARNING CONTENT MANAGEMENT SYSTEM", International Journal of Web & Semantic Technology (IJWesT) Vol.3, No.3, July 2012, p. 131-142
16. *H. H. Ammar, T. Menzies, O. Shata, A. Erradi, M. Kessentini, W. Abdelmoez, M. Kholief, Mohamed A. Elgamel, M. Abdelhamid, A. AbdelHamid, Mohd. Adan Omar, Mohamed Salah Hamdi*, "The International Center of Excellence in Software Engineering", Communications of the Arab Computer Society, Vol. 4, No.2, December, 2011
17. *Mohamed Kholief, Yasser Fouad, Mohamed Hassan*, "Automatically Detecting Relevant Technical Teams for Requested Issues in Issue Tracking Systems by Using Semantic Web Technology", International Journal of Information and Communication Technology Research, Vol. 1, No.5, pp. 204-209, 2011
18. *Rania Fahim El-Gazzar, Osama Badawy, and Mohamed Kholief*. *Agent-Based Mobile Event Notification System*, International Journal of Interactive Mobile Technologies (iJIM), Vol 4, No 4 (2010)
19. *Nader Nada, Mohamed Kholief, and Mahmoud Ghanem*. *Dynamic Knowledge Management Toolkit*, The International Journal of Knowledge, Culture and Change Management, Volume 8, Issue 12, pp.121-126, 2009
20. *Nader Nada, Mohamed Kholief, M. Ghanem and W. Bakry*, *Dynamic Knowledge Management Toolkit*, Electronic Journal of Knowledge Management, Volume 7, Issue 2, Special issue ICICKM 2008.
21. *Nader Nada, Mohamed Kholief, Shehab Tawfik, and Noha Metwally*, Mobile Knowledge Tool-kit to Create a Paradigm Shift in Higher Education, Electronic Journal of Knowledge Management, Volume 7, Issue 2, Special issue ICICKM 2008.

22. Herbert Van de Sompel, Thomas Krichel, Michael L. Nelson, Patrick Hochstenbach, Victor M. Lyapunov, Kurt Maly, Mohammad Zubair, Mohamed Kholief, Xiaoming Liu, Heath O'Connell. *The UPS Prototype: An Experimental End-User Service across E-Print Archives*, D-Lib magazine, February 2000

Conference papers

1. Iman Salem, Radwa Fathalla, Mohamed Kholeif, "A Deep Meta-learning Framework for Heart Disease Prediction", 2019 IEEE 15th International Scientific Conference on Informatics, 20–22 November 2019, Poprad, Slovakia
2. Taha, A.K., Kholief, M.H., AbdelMoez, W., "Adaptive Machine Learning-Based Stock Prediction Using Financial Time Series Technical Indicators", 20th International Conference on Intelligent Data Engineering and Automated Learning, IDEAL 2019; Manchester; United Kingdom; 14-16 November 2019
3. Maghawry, A., Kholief, M., Omar, Y., Hodhod, R., "A Survey on Program Analysis and Transformation", 3rd Computational Methods in Systems and Software, CoMeSySo 2019; Zlin; Czech Republic; 10-12 September 2019
4. Mohamed Ali ; Said Fathalla ; Mohamed Kholief ; Yasser F. Hassan, "The problem learning Non-Taxonomic Relationships of Ontologies from unstructured data sources", 2017 23rd International Conference on Automation and Computing (ICAC), 7-8 Sept. 2017, Huddersfield, UK, 10.23919/ICAC.2017.8082083
5. Shaimaa Ahmed ; Amr Mohamed ; Khaled Harras ; Mohamed Kholief ; Saleh Mesbah, "Energy efficient path planning techniques for UAV-based systems with space discretization", 2016 IEEE Wireless Communications and Networking Conference, 3-6 April 2016, Doha, Qatar
6. Mohammed Qunber, Osama Badawy, Mohamed Kholief, "IHadoop: Improve MapReduce Performance", The International Arab Conference on Information Technology (ACIT'2015), December 15-17, 2015, Jordan,
7. Karim Mahmoud, Hanafy Ismail, and Mohamed Kholief, "ROEF: A Smart Search Engine of the 3rd Generation World Wide Web (WWW)", ICCTA 2015, 24-26 October 2015, Alexandria, Egypt.
8. AMR ABDELRAHMAN, ALI EL-BASTAWISSY, MOHAMED KHOLIEF, "INCONSISTENCY RESOLUTION IN THE VIRTUAL DATABASE ENVIRONMENT USING FUZZY LOGIC", 2016 Sixth International Conference on Digital Information Processing and Communications (ICDIPC), April 21-23, 2016, Lebanon
9. Omnia Elsayed, Khaled Mahar, Hatem A. Khater and Mohamed Kholief, "Automatic detection of the pulmonary nodules from CT images," in SAI Intelligent Systems Conference, 10-11 November 2015, London, UK.
10. Mohamed Samir Abdel-Moneim, Ali Hamed El-Bastawissy, Mohamed Hamed Kholief, "Quality Driven Approach for Data Integration Systems", ICIT 2015 The 7th International Conference on Information Technology, Amman, Jordan, 12-15 May, 2015, doi:10.15849/icit.2015.0078 © ICIT 2015 (<http://icit.zuj.edu.jo/ICIT15>), pp. 409-420.
11. Khaled Ali, Ayman Abdel-Hamid, and Mohamed Kholief, "Prevention of DOM-based XSS Attacks Using a White List Framework", , 24th International Conference on Computer Theory and Applications (ICCTA'14), 25-27 October 2014, Alexandria, Egypt, pp. 68-75.
12. N. Tawfik, S. Youssef and M. Kholeif, "Automatic Seizure Detection in Long-Term Scalp EEG Using Weighted Permutation Entropy and Support Vector Machine ", in the 7th Cairo International Biomedical Engineering Conference, Cairo, Egypt, 11-13 December, 2014.
13. Ali Elkemany, Ihab A. El-Aff, and Mohammad Kholief , "DTI Data Segmentation Using Different Clustering Algorithms", 4th International Conference on Electronics, Biomedical Engineering and its Applications (ICEBEA'2014) Jan. 28-29, 2014 Bangkok (Thailand)

14. *Ezzeldin, A. M., Kholief, M. H., & El-Sonbaty, Y.* (September 2013). ALQASIM: Arabic language question answer selection in machines. In *Information Access Evaluation. Multilinguality, Multimodality, and Visualization* (pp. 100-103). Springer Berlin Heidelberg
15. *Said Mohamed Fathalla, Mohamed Hassan Mohamed, Yasser F. Hassan, Mohamed Kholief* , “Ontology-Based Approach for Automated Issue Classification in an Issue Tracking System” , 23rd International Conference on Computer Theory and Applications (ICCTA'13), October 2013, Alexandria, Egypt
16. *Ahmed Magdy Ezzeldin, Mohamed Hamed Kholief, Yasser El-Sonbaty*, "ALQASIM: Arabic Language Question Answer Selection in Machines", CLEF'13, Valencia, Spain, September 2013, Springer Berlin Heidelberg, Pages:100-103
17. *AbdelMoez, W., Kholief, M., Elsalmy, F.M.*, "Improving bug fix-time prediction model by filtering out outliers", International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (TAECE), 2013 , Page(s): 359 – 364
18. *Mohamed Kholief, Hanan Faraj Nassib*, "ArabSearch- A Semantic Agent for Searching Using Semantics", ICOSE 2012 : International Conference on Ontological and Semantic Engineering, Penang, Malaysia, December 2012
19. *Mohamed Kholief, Suaad Mohamed*, "A Semantic Assistant Agent for Digital Libraries", ICOSE 2012 : International Conference on Ontological and Semantic Engineering, Penang, Malaysia, December 2012
20. *Mesbah, S., Kholief, M., Mahdy, A.*, "A GIS vectorization model for quad-tree satellite images", , 22nd International Conference on Computer Theory and Applications (ICCTA'12), 2012 , Page(s): 41 – 46
21. *AbdelMoez, W., Kholief, M., Elsalmy, F.M.*, "Bug fix-time prediction model using naïve Bayes classifier", 22nd International Conference on Computer Theory and Applications (ICCTA'12), 2012 , Page(s): 167 – 172
22. *Mohamed Kholief, Yasser Fouad, Mohamed Hassan*, "Issue Tracking Systems Using Semantic Web Technology", International Conference on Computer, Electrical, and Systems Sciences, and Engineering, Singapore, September 2011
23. *N. Nada, M. Kholief, A. Elbadawy*, “Creativity, Innovation, and Knowledge Management within Integrated Innovation Management Framework”, International 8th Knowledge and Economy Management Congress, 28-31 Oct. 2010, Istanbul, Turkey.
24. *N. Nada, M. Kholief, N. Metwally*, “Mobile Knowledge Visual e-Learning Toolkit”, MoMM2009, Kuala Lumpur, Malaysia, December 2009.
25. *K. Mahar, M. Kholief, S. El Said*. Gene Function Prediction from Expression Data Using Machine Learning Techniques, ICCTA 2008, Alexandria, Egypt, October 2008.
26. *N. Nada, M. Ghanem, M. Kholief*. Knowledge Management Framework for SME, ICCTA 2008, Alexandria, Egypt, October 2008.
27. *N. Nada, M. Kholief, S. Tawfik, N. Metwally*. Mobile Knowledge Tool-kit to Create a Paradigm Shift in Higher Education, ICICKM 2008, New York, NY, October 2008.
28. *N. Nada, M. Kholief, M. Ghanem and W. Bakry*. Dynamic Knowledge Management Toolkit, ICICKM 2008, New York, NY, October 2008.
29. *M. Kholief*. Digital Libraries and Education: What and Why?, PACISE'04, California, PA, April 2004.
30. *M. Kholief, K. Maly, S. Shen*. Case Study of a Stream-Based Digital Library: Medical Data, ICADL'03, Kuala Lumpur, Malaysia, December 2003.

31. M. Kholief, K. Maly, S. Shen. A Medical Streams-Based Digital Library Architecture, JCDL'03, Huston, TX, May 2003.
32. M. Kholief, S. Shen, K. Maly. Architecture for Event-Based Retrieval from Data Streams in Digital Libraries, ECDL'2001, Darmstadt, Germany, September 2001.
33. M. Kholief, S. Shen, K. Maly. Event-Based Retrieval from Digital Libraries Containing Streamed Data, ITCC 2000, Las Vegas, March 2000.
34. M. Kholief, I. Awad, M. El-Derini, M. Nagi, H. Ali. Behavior of Task Scheduling Algorithms for Probabilistic Module Execution Times, ISCC'98, Athens, Greece, June 1998.
35. K. Maly, M. Zubair, S. Shen, S. Zeil, M. L. Nelson, M. Kholief, M. I. Ameerally, X. Liu and Z. Zhao. The Use of Digital Libraries in Undergraduate Learning in Science. Fourth ACM Conference on Digital Libraries, DL'99, CA, USA, August 99.
36. K. Maly, H. Abdel-Wahab, R. Mukkamala, A. Gupta, A. Bankeroglu, M. Kholief, C. Thompson, C.S. Vemuru, S. Vemuru. GSREHB: An Electronic Process Management Tool for Graduate Student Research, ASEM'98, VA, USA, October 98.
37. K. Maly, H. Abdel-Wahab, R. Mukkamala, A. Gupta, A. Bankeroglu, M. Kholief, C. Thompson, C.S. Vemuru, S. Vemuru. GSREHB: an Electronic Handbook for Graduate Student Research, JCIS'98, NC, USA, October 98.
38. K. Maly, H. Abdel-Wahab, R. Mukkamala, A. Gupta, M. Kholief, S. Dittakavi, C. S. Vemuru, H. Syed, B. Jacobs. CoProcess: A Java-based Environment for Collaborative Process Management Over the Web, WebNet 97, Toronto, Canada, November 1997.

Technical Reports

1. Mohamed Kholief. *Event-Based Retrieval from Digital Libraries Containing Data Streams*. Ph.D. Dissertation, Old Dominion University, Computer Science Department, June 2003.
2. Van de Sompel, Herbert; Krichel, Thomas; Nelson, Michael L.; Hochstenbach, Patrick; Lyapunov, Victor M.; Maly, Kurt; Zubair, Mohammad, Kholief, Mohamed; Liu, Xiaoming; O'Connell, Heath. *The UPS Prototype project: exploring the obstacles in creating a cross*, February 07, 2000. TR_2000_01
3. Mohamed Kholief. *A Digital Library for Interactive Multimedia Collaborative Educational Applications*, Ph.D. proposal, Old Dominion University, Computer Science Department, March 1999.
4. Mohamed Kholief. *Behavior of Task Scheduling Algorithms for Probabilistic Module Execution Times*, Masters Thesis, Alexandria University, Department of Computer Science, December 1997.
5. Kurt J. Maly; H. Abdel-Wahab; R. Mukkamala; A. Gupta; M. Kholief; S. Dittakavi; C.S. Vemuru; H. Syed; Barry E. Jacobs. *CoProcess: A Java-based Environment for Collaborative Process Management Over the Web*, March 7, 1997. TR_97_25

Current Research interests

- Big Data Analytics
- Semantic Web Technology and Applications.
- Digital libraries: retrieval from digital libraries containing data streams, educational uses, metadata, and interoperability issues, semantic search.

Theses Supervised

Ph.D.:

1. Mohamed Hassan Mohamed Aly, "TOWARDS ENHANCING THE PROCESS OF EXTRACTING NON-TAXONOMIC RELATIONS FOR ONTOLOGY LEARNING FROM TEXT", Alexandria University, College of Sciences, 2019
2. Sherief Elmeligy, "Providing High Performance Computing based Models as a Service: Architecture and Services for Modeling Contagions on Large Networked Populations", Virginia Tech, 2016

M.Sc.:

1. Logambigai Venkatachalam, "Scalability of Stepping Stones and Pathways", with Dr. Edward Fox, Virginia Tech, 2008
2. Safaa Elsaid, "Gene Function Prediction From Expression Data Using Machine Learning Techniques", with Dr. Khaled Mahar, AASTMT, 2008
3. Noha Metwally, "A Visual M-Learning Toolkit Towards Creating a Paradigm Shift in Higher Education", with Dr. Nader Nada, AASTMT, 2010
4. Ahmed Elbadawy, "A Web-based Innovation Management System Applying an Integrated Framework for Innovation Management", with Dr. Nader Nada, AASTMT, 2010
5. Noha Elsherbini, "Secure Digital Libraries", with Dr. Edward Fox, Virginia Tech, 2011
6. Rania Elgazzar, "Agent Based Mobile Event Notification System", with Dr. Osama Badawy, AASTMT, 2011
7. Mohamed Hassan, "On intelligent methods in semantic networks", with Dr. Yasser Fouad, Faculty of Sciences, Alexandria University, 2011
8. Hesham Sameeh, "Applying Ubiquitous Computing in Banking Industry", with Dr. Medhat Fakhry, AASTMT, 2011
9. Mahmoud Ghanem, "Relationship Between Knowledge Management and Innovation in Small and Medium Enterprises", with Dr. Nader Nada, AASTMT, 2012
10. Wedian Khedr, "Using semantic search in learning content management System", AASTMT, 2012
11. Ahmed Mahdy Elgamal, "A GIS VECTORIZATION MODEL FOR QUAD-TREE SATELLITE IMAGES", with Dr. Saleh Mesbah, AASTMT, 2012
12. Hanan Farag Naseeb, "Search Engines On The Semantic Web", Faculty of Sciences, Alexandria University, 2013
13. Fayrouz Elsalmy, "IMPROVING BUG –FIX TIME PREDICTION MODELS", with Dr. Walid Abdel Moez, AASTMT, 2013
14. Suad Awad Elbadry, "Applying Semantic Web Technology in Digital Libraries", Faculty of Sciences, Alexandria University, 2013
15. Rasha Elkafoury, "Towards A More Accurate Content Based Image Retrieval Using KD-Tree and DBSCAN", with Dr. Amin Shoukry, AASTMT, 2013
16. Aly Elkemany, "Brain Segmentation Using Diffusion Tensor Imaging", with Dr. Ehab Abdalla Elaff, AASTMT, 2014
17. Ahmed Magdy Ezzeddin, "Arabic Question Answer Selection", with Dr. Yasser Elsonbaty, AASTMT, 2014
18. Noha Seddik, "Automated Detection of Epileptic Seizure in EEG- Integrating Weighted Permutation Entropy and Support Vector Machine Classification", with Dr. Sherien Youssef, AASTMT, 2014
19. Omnia Elsayed, "A framework of detection of the pulmonary nodules from CT images", with Dr. Khaled Mahar and Dr. Hatem Khater, AASTMT, 2015
20. Mohamed Samir, "Quality Driven Approach for Data Integration Systems", with Dr., Aly El-Bastawissy, AASTMT (Cairo) 2016
21. Mohamed Qunber, "IHadoop: Improve Map Reduce Hadoop Performance", with Dr. Osama Badawy, AASTMT, 2016
22. Kareem Mahmoud Shawky, "Creating a Personalized Semantic Web Semantic Search Engine for the Third Generation of the World Wide Web", with Dr. Hanafy Ismail, AASTMT (Cairo) 2016
23. Eslam Kamel, "Intelligent Cloud Based Decision Support System for Smart Grid", with Dr. Walid Aly, AASTMT, 2016
24. Yaman Kannot, "An ontology-based disease classification in biomedicine using spreading activation", with Dr. Amany Saad, AASTMT, 2016
25. Amr Nabil (AAST-Cairo), "Inconsistency Resolution Using Fuzzy Logic in the Virtual Database Environment", with Dr. Ali Bastawisy, 2017
26. Aya Hassan (Faculty of Sciences, Alexandria University), with Dr. Yasser Fouad, 2017

27. Shaimaa Ahmed Mohamed, “Energy Efficient Path Planning Techniques for Multiple Unmanned Ariel Vehicles”, with Dr. Saleh Mesbah, 2017
28. Sayed Moawad (AAST-Cairo), “An Ontology-Based Fuzzy Data Mining Approach for Decision Support”, with Dr. Ahmed Gadalla, 2017
29. Ahmed Kamel Taha, “DEEP LEARNING MODEL FOR FINANCIAL TIME SERIES PREDICTION (USING TECHNICAL INDICATORS)”, with Dr. Walid AbdelMoez, 2019

AASTMT Master of Computing Students (By courses and project):

1. Mohamed Ahmed Moustafa, 2015
2. Islam Nabil Hussein, 2015
3. Ayman Mohamed Atta, 2016
4. Mohamed Said Massoud, 2016
5. Walaa Khamees Amer, 2017

Current Graduate Students

Ph.D.:

1. Ahmed Maghawry (Computer Science Department, AASTMT)
2. Aliaa Aly (Computer Science Department, AASTMT)
3. Ahmed Kamal El Badawy (Information Systems Department, AASTMT)
4. Mona Ali Abdel Moemen (Information Systems Department, AASTMT)

Masters of Science:

1. Karim Samir
2. Ahmed Amr
3. Mahmoud Osama Elsayyad
4. Eman Salem

Other Academic Experience while at AASTMT

- Member of the team preparing for the ABET accreditation of the Information Systems program. The program was successfully granted accreditation in 2019.
- Member of the committee establishing the PhD program at the College of Computing and Information Technology, 2018. This was the first such program in a non-governmental university in Egypt.
- Introduced “Introduction to Data Science and Big Data Analytics” Diploma in 2017, including 5 training courses and a capstone project. Taught the first of the courses and helped in managing the rest.
- Co-directing the International Center of Excellence in Software Engineering (ICESE), Alexandria Branch.
- Member of the scientific committee of ICCI- Egypt 11-13/12/2012
- Member of program committee, INFOS 2012 , The 8th International Conference on Informatics and Systems, <http://INFOS2012.fci.cu.edu.eg>, 14 – 16 May, 2012 ,Faculty of Computers and Information , Cairo University, EGYPT ,Special Track , On Cloud and Mobile Computing
- Member of the organizing committee and a reviewer for the ICCTA conference
- Session Chair at the ICCTA'2010 to ICCTA'2019 conferences
- Member of the organizing committee, The International Center of Excellence in Software Engineering (ICESE) First Virtual Workshop (Series on Software Engineering and Artificial Intelligence) on Search-based Model-Driven Engineering, 17-18 May 2011
- Supervising the preparation of the time tables for the College of Computing and Information Technology,
- Helping in preparing load for faculty, and recruiting part-time faculty.
- Academic advising
- Member of project defense committees
- Supervising masters students (usually about 10)
- Helping in curriculum development
- Supervising the credit transfer committee
- Member of many other department committees

Other Academic Experience while at California University of Pennsylvania

Member of the following department, college, and/or university committees:

- *Faculty Professional Development Committee – Research Subcommittee (University), 8/02-12/05.*
- *Computer Science Curriculum Committee, 8/02-12/05.*
- *CS/IT Hiring Committee(2002/03, and 2003/04)*
- *Information Systems Hiring committee 2005 (Chair)*
- *Outcomes assessment committee (co-facilitator), 8/02- 9/05*
- *ABET accreditation effort (Co-leader), 8/02-12/05.*
- *Part-time faculty hiring and evaluation committee, 8/02-12/05*
- *Department budget committee of California University in the high school funds, 8/03-12/05.*
- *Coordinator of the California University in the high school computer science program*

Manager:

The Benedum grant (establishing a CISCO-training program for the Greene County community and starting a CISCO local academy in California University of PA).

Peer reviewer:

The State System's Faculty Professional Development Council's annual grant program.

Organized:

New ethics Award sponsored by the Warman Terry family for the best Computer Science ethics paper in the senior project class.

Professional Development

Finished the following certification programs:

- Completed Dell-EMC² training session on big data analytics, September 2015
- Successfully completed CCNA (instructor) levels 1 and 2 at West Virginia University, Morgantown, WV, August 2005
- Successfully completed the eCollege certification for online teaching (online course), May 2005
- Successfully completed the Summer Academy for Pennsylvania Faculty in Millersville University, June 2004
- Successfully completed the teaching assistants institute, Arab Academy for Science and Technology, May 1992

Attended the following conferences/workshops:

- Semantics'18: Vienna, Austria, September 2018
- SAI'15: London, UK, September 2015
- CLEF'13: Valencia, Spain, September 2013
- ICCTA'06 to ICCTA '19: Alexandria, Egypt, 2006-2019
- JCDL'05, Denver, CO, June 2005
- PACISE'05, Bloomsburg, PA, April 2005
- NSF day, Cleveland, OH, March 2005
- PACISE'04, California, PA, April 2004.
- JCDL'03, Huston, TX, May 2003.
- PACISE'03, Shippensburg, PA, April 2004.
- ECDL'2001, Darmstadt, Germany, September 2001.
- ITCC 2000, Las Vegas, NE, March 2000.
- ASEM'98, Virginia Beach, VA, October 98.

R & D projects

Cloud-based 3D Teleradiology for Rural Areas (July 2014-now)- Co-PI
(Funded by ITIDA's ITAC collaborative research fund)

Digital Libraries Research Group (May 1998-Aug 2002)

Fully or partially involved in the following projects: NCSTRL+, UDLF, UPS, TRI, ARC

Electronic Handbooks (Sept 1996-May 1998)

CoReview (May 1996-Sept 1996)

Awards & Grants

- Distinguished Paper Award from AASTMT for the paper “CLOE: A Cross-Lingual Ontology Enrichment Using Multi-Agent Architecture” (2019)
- Distinguished Paper Award from AASTMT for the paper “A Deep Classification System for Medical Data Analysis” (2018)
- Distinguished Paper Award from AASTMT for the paper “Generation of Universal and Stable Medical Images for Tissues Segmentation (Unistable Method)” with Ihab Elaff and Ali El-Kemany (2017)
- Distinguished Paper Award from AASTMT for the paper “A Hybrid Automated Detection of Epileptic Seizures in EEG Records”, with Dr. Sherin Youssef and Noha Seddik (2016)
- Co-PI of the project titled: Cloud-based 3D Teleradiology for Rural Areas, with Dr. Mohamed Shaheen, funded by ITIDA's ITAC collaborative research fund.(concluded 2016)
- Grant recipient from the SmartCI center at VT-MENA for the pre-proposal “Cloud Based 3D Teleradiology for Rural Areas” (2014-2015)
- International Center of Excellence in Software Engineering (ICESE), Funded by Qatar Foundation
- California University of Pennsylvania’s travel grant recipient, May 2005.
- California University of Pennsylvania’s Irene O’Brien grant recipient, May 2003.
- Old Dominion University: Graduate Assistantship (Spring 1996-August 2002)
- Phi Kappa Phi: invited to be a member in the honor society in 1998.
- Honor Board, achieving “Distinction” in all my undergraduate years in the Computer Science and Automatic Control Department, Alexandria University, Egypt. (Class 1991)
- Undergraduate Fellowships, Alexandria University, Egypt. (1986,1987,1988,1989,1990)

Persoanl Information:

Date of Birth: 15 December 1968

Nationality: Egyptian