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RESEARCH INTERESTS:

1. Parallel and Distributed Intelligent Systems
2. Inter-Networking and Routing Protocols
3. Mobility, Security and Wireless Technology

EXPERIENCE:

- **SYSTEMS ARAB CONSULTANT, LTD. Alexandria (EGYPT)**
June 1987 - September 1988
Programmer and Assistant Systems Analyst
- **ALEXANDRIA UNIVERSITY Alexandria (EGYPT)**
October 1988 - December 1991
Teaching and Research Assistant,
Department of Information Technology,
Institute of Graduate Studies and Research
- **OLD DOMINION UNIVERSITY Norfolk, VA (USA)**
January 1992 - November 1993
College of Sciences, Department of Computer Science,
Member of a scientific channel system for a Ph.D. program,
The Ph.D. thesis titled "Connectionist Expert Systems"
- **ALEXANDRIA UNIVERSITY Alexandria (EGYPT)**
December 1993 - December 1994
Outstanding Faculty Member,
Department of Information Technology,
Institute of Graduate Studies and Research
- **ALEXANDRIA UNIVERSITY Alexandria (EGYPT)**
January 1995 - March 2001
Assistant Professor of Computer and Information Technology,
Department of Information Technology,
Institute of Graduate Studies and Research
- **ITI Alexandria (EGYPT)**
September 1997 - January 2000
Visiting Professor, Information Technology Institute (ITI),
the Cabinet of the Egyptian Ministries.

- **AAST** **Alexandria (EGYPT)**
 September 1999 - August 2003
 Visiting Professor, Department of MIS,
 College of Business and Economics,
 Arab Academy for Science and technology
- **UAE University** **Al-Ain (UAE)**
 February 2001 - June 2001
 Visiting Professor, Department of MIS,
 College of Business and Economics,
 United Arab Emirates University
- **ALEXANDRIA UNIVERSITY** **Alexandria (EGYPT)**
 March 2001 - August 2003
 Associate Professor of Computer and Information Technology,
 Department of Information Technology,
 Institute of Graduate Studies and Research
- **QATAR UNIVERSITY** **Doha (QATAR)**
 September 2003 - June 2009
 Associate Professor of Computer and Information Technology,
 Department of Computer Science and Engineering,
 Engineering Faculty
- **ALEXANDRIA UNIVERSITY** **Alexandria (EGYPT)**
 July 2009 - September 2011
 Associate Professor of Computer and Information Technology,
 Department of Information Technology,
 Institute of Graduate Studies & Research
- **ALEXANDRIA UNIVERSITY** **Alexandria (EGYPT)**
 October 2011 - August 2012
 Professor of Computer and Information Technology,
 Department of Information Technology,
 Institute of Graduate Studies & Research
- **ALEXANDRIA UNIVERSITY** **Alexandria (EGYPT)**
 September 2012 - August 2015
 Head of Department,
 Department of Information Technology,
 Institute of Graduate Studies & Research
- **ALEXANDRIA UNIVERSITY** **Alexandria (EGYPT)**
 September 2015 - Present
 Professor of Computer and Information Technology,
 Department of Information Technology,
 Institute of Graduate Studies & Research

EDUCATION:

- **CCNA CERTIFIED INSTRUCTOR**

Cisco Certified Instructor for CCNA v4 (January 2008)

- **OLD DOMINION UNIVERSITY AND ALEXANDRIA UNIVERSITY**

Ph.D. in Information Technology: The Ph.D. thesis titled "Connectionist Expert Systems" and proposed a new methodology for expert systems development using hybrid symbolic and neural knowledge components (November 1994)

- **ALEXANDRIA UNIVERSITY**

M.Sc. in Information Technology: The M.Sc. thesis titled "Information Representation and Retrieval System" and involved building a complete Expert System Shell for handling pattern and image processing applications (January 1991)

- **ALEXANDRIA UNIVERSITY**

B.Sc. in Computer Science and Automatic Control, Faculty of Engineering (June 1987)

ACCREDITATION EXPERIENCE:

- **Qatar University (Engineering Faculty)**

Contributed in the ABET accreditation, since its beginning in January 2006, for both the CS & CE Programs. Main efforts include: identifying Program Objectives, Syllabus preparation, setting Outcomes, Measurements, and Assessment Rubrics. I have attended several workshops, local and international, attended two visits made by the ABET reviewers, last visit conducted March 2009.

- **Alexandria University (Information Technology)**

An active member in the Quality Assurance Program since July 2009, contributed in two projects, the first project (QAP) completed successfully (February 2010) and Qualified us for the second project, the CI-QAP (Started March 2010) whose aim is to accredit the IT (M.Sc. & Ph.D. Programs) by the National Institute for Accreditation, the last phase before applying for the ABET accreditation.

TEACHING EXPERIENCE:

Qatar University (Engineering Faculty)

1. Computer Organization (CS Program)
2. Computer Architecture (CE Program)
3. Computer Programming with C++ (General Engineering)
4. Computer Networks (CS & CE Programs)
5. Data Structures and Algorithms (CS & CE Programs)
6. CCNA Exploration (Cisco Regional Academy, Qatar University)
7. Computer and Network Security (CE Program)

Alexandria University

1. Advanced Data Structures (Diploma & M.Sc. Programs)
2. Advanced Programming techniques (M.Sc. Program)
3. Advanced Network Security (Ph.D. Program)
4. AI-Based Decision Making (Ph.D. Program)
5. Computer and Network Security (CompCom, Faculty of Eng.)

Teaching Tools

1. The Blackboard System,
2. Smart Boards

OTHER RESEARCH ACTIVITIES:

Qatar University (Engineering Faculty)

1. Supervised seven Graduation Projects, each with 3-5 students working in: eCommerce, Character Recognition, Web-Enabled Intelligent Systems, On-Line Distance Education, ePayments, and Case-based Reasoning.
2. Supervised one M.Sc. Student (Granted) working in the Performance Evaluation of Secured & Unsecured Routing Protocols.

Alexandria University (Information Technology)

1. Supervising 5 M.Sc. Students, working in: MapReduce Based K-means Algorithms, Chaotic Maps and Neural network, Optical Amplifiers in SDM Communication Systems, Printer Identification in Forensic, and Augmented Virtual Reality.
2. Supervising 5 Ph.D. Students, working in: Service Oriented Architectures, Mobile Database Cache Management, Fault Tolerance and Load Balancing in Heterogeneous Grid Computing, Fuzzy Semantic-Grid Oriented to Web Image Retrieval, Tracking Algorithms for Moving Vehicles, and DNA Microarray Classification Algorithms.
3. Completed 18 M.Sc. and 3 Ph.D. Degrees (Already Granted)

SCIENTIFIC AWARDS & AFFILIATION:

The Alexandria University Award for Research Promotion, 1999
Professional Member, the Association for Computing Machinery (ACM)

PUBLICATIONS:

1. A.A. El-Zoghabi, M.A. Ismail, S.N.T. Shen, and E.A. Korany, "A Client Server Computing Model for Heterogeneous Distributed Knowledge Management," IEEE Southeastcon '93, April 4 - 7, 1993, Charlotte, North Carolina USA.
2. A.A. El-Zoghabi, M.A. Ismail, S.N.T. Shen, and E.A. Korany, "Learning A Three-Layer Back-Propagation Network to Recognize Different Arabic Fonts," Proceedings SPIE, Applications of Artificial Neural Networks IV, April 12 - 16, 1993, Orlando, Florida USA.
3. A.A. El-Zoghabi, M.A. Ismail, S.N.T. Shen, and E.A. Korany, "An Application Framework for Managing Procedural, Declarative, and Neural Knowledge," Proceedings of the 6th Florida Artificial Intelligence Research Symposium, April 18 - 21, 1993, Ft. Lauderdale, Florida USA.
4. M.A. Ismail, A.M. Emam, and A.A. El-Zoghabi, "Topological and Global Features for Arabic Character Recognition," 19th Annual Conference of the Association of Moslem Scientists and Engineers, October 31 - November 2, 1993, San Jose, California USA.
5. Adel A. El-Zoghabi and Ashraf M. Emam, "A Distributed Framework for Very Large Knowledge Bases," Proceedings of the 5th International Conference on Artificial Intelligence Applications AIA97, February 26 - March 2, 1997, Cairo EGYPT.
6. Adel A. El-Zoghabi and Ahmed M. El-Fataty, "An Integrated Decision Support System for Stock Market Investment," Proceedings of the 6th International Conference on Artificial Intelligence Applications AIA98, February 11 - 14, 1998, Cairo EGYPT.
7. Adel A. El-Zoghabi, "A General Environment for Interactive Web-Based Neural Network Simulation," Alexandria Engineering Journal, Vol. 37 No. 5, September 1998.
8. Mohamed A. El-Iskandarani, Adel A. El-Zoghabi, and Alaa A. El-Kholy, "Fuzzy Logic: An Overview," Proceedings of the 6th International Conference on Artificial Intelligence Applications AIA98, February 11 - 14, 1998, Cairo EGYPT.
9. Mohamed A. El-Iskandarani, Adel A. El-Zoghabi, and Alaa A. El-Kholy, "Development of Fuzzy Rule-Based Expert Systems Environment," 4th International Conference on Computer Science and Informatics (JCIS'98 Proceedings), October 23 - 28, 1998, North Carolina, USA.
10. Adel A. El-Zoghabi, "An Architecture Framework for Distributed Workflow Management Systems," Alexandria Engineering Journal, Vol. 38 No. 6, November 1999.

11. Adel A. El-Zoghabi, Sameh E. Abdel Aziz, and Mohamed M. El-Sherbiny, "An Intelligent Interface for Generating Proper SWIFT Messages," Proceedings of the 8th International Conference on Artificial Intelligence Applications AIA2000, February 3 - 6, 2000, Cairo EGYPT.
12. Mohamed Loutfi, Alfredo Moscardini, Kevin Lawler, and Adel A. El-Zoghabi, "Peak Demand Problems, Capacity Constraints and SD methodologies: The case of Hurghada Airport," Proceedings of the World Multiconference on Systems, Cybernetic and informatics SCI2000, July 23-26, 2000, Orlando, Florida, USA.
13. Adel A. El-Zoghabi, "Off-Line Human Signature Verification Based on Artificial Neural Networks Classifier," Proceedings of the 10th International Conference on Computer Theory and Applications ICCTA2000, August 29-31, 2000, Alexandria EGYPT.
14. Morsi E. Morsi, Adel A. El-Zoghabi, Mohamed A. El-Gamal, and Abass A. Ezzat, "An Expert System for Chemical Product Specifications: Case Study PVC Products," Proceedings of the 10th International Conference on Computer Theory and Applications ICCTA2000, August 29-31, 2000, Alexandria EGYPT.
15. Ahmed R. Ragab, Ezzat A. Korany, and Adel A. El-Zoghabi, "Applying a Case-Based Reasoning to Help Desk Applications," Proceedings of the 9th International Conference on Artificial Intelligence Applications AIA2001, February 4 - 8, 2001, Cairo EGYPT.
16. Mohamed M. El-Sherbiny, Adel A. El-Zoghabi, and Tarek A. El-Kholy, "A New Method for Web Performance Optimization," Proceedings of the 10th International Conference on Artificial Intelligence Applications AIA2002, February 5 - 8, 2002, Cairo EGYPT.
17. Loay E. Abdul-Mageed, Adel A. El-Zoghabi, and Mohamed M. El-Sherbiny, "An Agent-Based Approach for Inter-Organizational Workflow Management," Proceedings of the 12th International Conference on Computer Theory and Applications ICCTA2002, August 27-29, 2002, Alexandria EGYPT.
18. Safeya M. Mamish, Shawkat K. Guirguis, Adel A. El-Zoghabi, and Ashraf M. Emam, "An Automatically Generated Computer-Assisted Question-Answer System to Acquire Knowledge," AAAI Technical Report SS-03-07, March 2003.
19. Ahmed A. El-Ragal, Adel A. El-Zoghabi, Mohamed M. Abdelsalam, and Frank Poole "Implementing a Three-Tier Data Warehouse," 3rd International Conference on Electronic Business, Singapore, December 9-13, 2003.
20. Adel A. El-Zoghabi, Hesham A. Abdelhameed, and Randa M. Yousef, "Performance Study of Several DBMS Connectivity using Different Server Scripting Environments," Alexandria Engineering Journal, Vol. 43 No. 5, September 2004.

21. Adel A. El-Zoghabi, "Design of a Multi-Tier System for Genetic-Based Neuro-Fuzzy Applications," Proceedings of the IASTED International Conference on Web Technologies, Applications, and Services (WTAS 2005), Calgary Canada, July 2005.
22. Adel A. El-Zoghabi and Mahmoud M. Mahmoud, "Utilization and Performance Analysis of OLAP Technology for Decision Support," Alexandria University Engineering Journal (AEJ), Vol. 45, No. 6, 2006, December, pp. 117-126.
23. Khaled Abou-alsaud, Adel A. El-Zoghabi, Hatim Mohd tahir, And Mohamed Saleh, "Performance Evaluation of Secured Versus Non-Secured EIGRP Routing Protocol," The 2008 International Conference on Security and Management (SAM'08: July 14-17, 2008), Las Vegas, USA.
24. Usama M. Maabed and Adel A. El-Zoghabi, "Enhanced Service Oriented Architecture to Improve E-Services Applications," The 6th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-08), Doha, Qatar, March 31 - April 4, 2008.
25. Usama A. Mohamed, Galal H. Galal-Edeen, and Adel A. El-Zoghabi, "Building Integrated Oil and Gas B2B e-Commerce Hub Architecture Based on SOA," IC4E 2010: The 2010 International Conference on e-Education, e-Business, e-Management and e-Learning, Sanya, China, January 22-24, 2010.
26. Adel A. El-Zoghabi, "A New Architecture for Genetic-Based Neuro-Fuzzy Applications," JMT: Journal of Mathematics and Technology, ISSN: 2078-0257, Vol. 2 No.2, April 2010.
27. Usama A. Mohamed, Galal H. Galal-Edeen, and Adel A. El-Zoghabi, "Building Integrated B2B e-Commerce Hub Architecture Based on SOA and Semantic Ontology" JEIM: Journal of Enterprise Information management, Vol. 23, Issue 6, 2010.
28. Usama M. Maabed, Ahmed M. El-Fatary, and Adel A. El-Zoghabi, "Towards Enhanced Service Oriented Architecture to Improve E-Services Applications" ICSS 2013, 11-13 April, Shenzhen, China, 2013.
29. Adel A. El-Zoghabi, Amr H. Yassin, and Hany H. Hussien, "Survey Report on Chaos Based Public-key Cryptosystem," International Journal of Emerging Technology and Advanced Engineering, Vol. 3, No. 12, December 2013.
30. Adel A. El-Zoghabi, Amr H. Yassin, and Hany H. Hussien, "Survey Report on Cryptography Based on Neural Network," International Journal of Emerging Technology and Advanced Engineering, Vol. 3, No. 12, December 2013
31. Shawkat K. Guirguis, Adel A. El-Zoghabi, Mohamed A. Hassan, "Lightweight Architecture for Mobile Web Content Access over Enterprise Cloud Mashup," WSCAR'2014 World Symposium on Computer Applications & Research, Sousse, Tunisia, 18-20 January 2014.

32. Saad Darwish, Adel A. El-Zoghabi, and Ali O. Hassen, "A Modified Gait Recognition System for Human Based on Uncertainty Model," Proceedings of the 3rd International Conference on Intelligent Network and Computing (ICINC 2014), 7-8 Sarawak, Malaysia, June, 2014.
- 33 Saad M. Darwish, Adel A. El-Zoghabi, and Oday A. Hassen, "A Modified Walk Recognition System for Human Identification Based on Uncertainty Eigen Gait," International Journal of Machine Learning and Computing, Vol. 4 No. 4, pp. 346-353, August 2014.
- 34 Adel A. El-Zoghabi, Amr H.Yassin, and Hany H. Hussien, "Public key Cryptography Based on Chaotic Neural Network," International Journal of Computer Application (IJCA), Vol. 4 No. 4, pp. 201-218, July-August, 2014.
- 35 Adel A. El-Zoghabi, Amr H.Yassin, and Hany H. Hussien, "Public key Steganography Using LSB method with Chaotic Neural Network," International Journal of Computer Engineering & Technology (IJCET), Vol. 5, No. 8, pp. 118-129, August 2014.
- 36 Shawkat K. Guirguis, Adel A. El-Zoghabi, Mohamed A. Hassan, "A Lightweight Access for Hybrid Mobile Web Cloud Content Architecture," International Journal of Computer Science and Mobile Computing, Vol. 3, No. 8, pp. 669-678, August 2014.
- 37 Hesham A. Youssef, Ziad A. El-Sahn, and Adel A. El-Zoghabi, "Performance of Few-mode EDFAs in Optical Space-Division Multiplexed Communication Systems," 2014 Asia Communications and Photonics Conference (ACP), Shanghai International Convention Center, Shanghai, China.
- 38 Saad M. Darwish, Adel A. El- Zoghabi, and Marwan Hamed Hassan, "Soft Computing for Database Deadlock Resolution," International Journal of Modeling and Optimization, vol. 5 no. 1, February, 2015.
- 39 Saad M. Darwish, Adel A. El- Zoghabi, and Mohamed Effian Abdewy, "Database Encryption using Fuzzy chaotic," International Journal of Future Computing and Communication, vol. 3 no. 6, December, 2014.
- 40 Saad M. Darwish, Adel A. El- Zoghabi, and Doaa Ebaid, "A Novel System for Document Classification Using Genetic Programming," 2015 4th International Conference on Information and Knowledge Management, 29-30 July, 2015, Shanghai, China.
- 41 Saad M.Darwish, Adel A. El- Zoghabi, and Doaa B. Abaid, "A Novel System for Document Classification using Genetic Programming," Journal of Next Generation Information Technology, vol. 6 no. 4, December 2015.