



Ahmed I.M. Saleh

Professor

EDUCATION

- Ph.D., Computer Engineering, University of Mansoura, 2006.
- M.Sc., Computer Engineering, University of Mansoura, 2001.
- B.Sc., Computer Engineering and Systems department, Faculty of Engineering, University of Mansoura, 1998.

ACADEMIC EXPERIENCE (FULL-TIME)

- Demonstrator, 1998 – 2001, Mansoura University, Faculty of Engineering, Computer Engineering and Systems department.
- Assistant Lecturer, 2001 – 2006, Mansoura University, Faculty of Engineering, Computer Engineering and Systems department.
- Assistant Professor, 2006-2013, Mansoura University, Faculty of Engineering, Computer Engineering and Systems department.
- Associate Professor, 2013 – 2018, Mansoura University, Faculty of Engineering, Computer Engineering and Systems department.
- Professor since 23/3/2018 in Mansoura University, Faculty of Engineering, Computer Engineering and Systems department.
- Head of Computer Engineering and Control Systems department, Faculty of Engineering, Mansoura University, Egypt, since 20/6/2018.

NON-ACADEMIC EXPERIENCE (FULL TIME)

None

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

None

PROFESSIONAL ORGANIZATIONS

- Vice Dean for Education and Student Affairs (2013-2016).
- Deputy Director of the Computer Engineering and Information Technology Program (2014-2016).
- Supervisor of the Department of Student Affairs and Student Activities (since 2014).
- Coordinator of the Department of Computer Engineering and Control Systems for Quality Matters (since 2016).
- Supervisor of the scientific journal of the Department of Computer Engineering and Control Systems (since 2014)
- International Reviewer at: International Journal of Grid Computing, Knowledge Based Systems, Cluster Computing, Applied Soft Computing, Computer and Network Applications, Applied Informatics.



- Qualified Trainer in Information Technology Institute (ITI).
- Consultant in the Engineering Consultation Center, Faculty of Engineering, Mansoura University.
- Qualified Trainer in Scientific Computation Center, Mansoura University.

HONORS AND AWARDS

None.

SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)

- Supervisor of the Department of Student Affairs and Student Activities (since 2014).
- Supervisor of the scientific journal of the Department of Computer Engineering and Control Systems (since 2014).
- Qualified Trainer in Information Technology Institute (ITI).

PUBLICATION LIST

1. Ahmed I. Saleh, Ali I. El-Desouky, Shereen H. Ali, "Promoting the performance of vertical recommendation systems by applying new classification techniques", *Knowl.-Based Syst.* Vol(75), pp. 192-223, 2015. (Impact factor 2016/2017: 4.529).
2. Aseel Faris Marzok , Ahmed I. Saleh, A New Coordinates based caching strategy CBC in mobile ad hoc network MFAR, *international journal of modern trends in Engineering and research* Vol(2), No(10), 2015.
3. AI Saleh, MA Fouad, M Abu-Elkheir, A Hybrid Multi-Tenant Database Schema for Multi-Level Quality of Service, *International Journal of Advanced Computer Science & Applications*, Vol(5), No.(11), pp. 132-139, 2015.
4. Liwa H. Alfarhani1, Ahmed I. Saleh, Labib M. Labib, " Power Aware Routing Technique for Wireless Sensor Network Based on SMPA Algorithm ", *Ciência e Técnica Vitivinícola Journal*, Vol(30), No(7), 2015.
5. Ibrahim S. Ibrahim, Ahmed I. Saleh & Labib M. Labib,"A Proposed Localization Technique for Wireless Sensor Networks", *Ciência e Técnica Vitivinícola Journal*, Vol(30), No(8), 2015.
6. Ahmed I. Saleh, Asmaa H. Rabie, Khaled M. Abo-Al-Ez, "A New Strategy of Load Forecasting Technique for Smart Grids", *International Journal of Modern Trends in Engineering and Research (IJMTER)*, Vol(2), No(12), pp. 332-343, 2015.
7. Ahmed I. Saleh, Israa A. AbdUlmaged, Labib M. labeb, "A Novel Routing Protocol strategy in CR-VANETs", *International Journal of Modern Trends in Engineering and Research (IJMTER)*, Vol(2), No(10), pp. 7-26, [October – 2015].
8. Ahmed I. Saleh, Taha M. Rajeh, Labib M. Labib, "Evaluation and Enhancement of Data Gathering Algorithm based Load Balance (E2DGLB) for Wireless Sensor Networks", *international journal of modern trends in engineering and research*, Vol(3), No.(1), 2016.
9. Riyadh I. Louis, Ahmed I. Saleh, Mohammed F. AL Rahmawy, Hazem M. El-Bakry , Samir M. Abd El-razek, "A Best Effort Heuristic Algorithm for Scheduling Timely Constrained Tasks in the Cloud", *International Journal of Scientific & Engineering Research*, Vol(7), No(2), February-2016.
10. Ahmed I. Saleh, MS Moustafa, KM Abo-Al-Ez, AA Abdullah, A hybrid neuro-fuzzy power prediction system for wind energy generation *International Journal of Electrical Power & Energy Systems* Vol(74), pp. 384–395, 2016. (Impact factor 2016/2017:3.289).



11. SH Ali, AI El Desouky, Ahmed I. Saleh, "A New Profile Learning Model for Recommendation System based on Machine Learning Technique", Journal of Information Technology & Software Engineering, Vol(6), No(1), pp. 1-6, 2016.
12. Ahmed I. Saleh, A Hybrid Mobility Prediction (HMP) strategy for PCS networks, Pattern Analysis and Applications Vol (19), No (1), pp. 173-206, 2016.).
13. AI Saleh, AH Rabie, KM Abo-Al-Ez, "A data mining based load forecasting strategy for smart electrical grids", Advanced Engineering Informatics, Vol (30), No (3), pp. 422-448, 2016.
14. Ayman E. Lotfy, Ahmed I. Saleh, Haitham A. El-Ghareeb, Hesham A. Ali, "A middle layer solution to support ACID properties for NoSQL databases", Journal of King Saud University - Computer and Information Sciences, Elsevier Science Publishers, Vol(28), No(1), January 2016.
15. Sally E. El Khawaga, Ahmed I. Saleh, Hesham A. Ali, "An Administrative Cluster-based Cooperative Caching (ACCC) strategy for Mobile Ad Hoc Networks", Journal of Network and Computer Applications: Elsevier Science Publishers, Vol(69), No(3), July 2016.
16. Ahmed R. El-Sawi, Ahmed I. Saleh, Ali Takieldeen, "Analysis and simulation of aerial unmanned vehicle using pure pursuit guidance law", 2nd International Conference and Exhibition on Satellite & Space Missions, Berlin, Germania, 2016/7.
17. Ahmed I. Saleh, Mohammed S. Mostafa, Alyaa M. Shams, "A Mixed Movement Predictor (MMP) for Handling Handover Problem in PCS Networks", Ciéncia e Técnica Vitivinícola Journal, Vol(31), No(5), 2016.
18. Ahmed I. Saleh, Mohammed S. Mostafa, Alyaa M. Shams, "A Mixed Movement Predictor (MMP) for Handling Handover Problem in PCS Networks", Ciéncia e Técnica Vitivinícola Journal, Vol(31), No(5), 2016.
19. Ahmed I. Saleh, Mohammed F. Rahmawy, Arwa E. Abulwafa , "A semantic based Web page classification strategy using multi-layered domain ontology", World Wide Web, Springer-Verlag New York, Vol(20), No(5), September 2017.
20. Ahmed I. Saleh, Amr Ali-Eldin, Amr A. Mohamed, "Historical based location management strategies for PCS networks ", August 2017 Wireless Networks, Springer-Verlag New York, Vol(23), No(6), August 2017.
21. Ahmed I. Saleh, Khaled M. Abo-Al-Ez, Ahmed A. Abdullah, "A Multi-Aware Query Driven (MAQD) routing protocol for mobile wireless sensor networks based on neuro-fuzzy inference", Journal of Network and Computer Applications, Elsevier Science Publishers, Vol(88), No(3), June 2017.
22. Ahmed I. Saleh, Arwa E. Abulwafa, Mohammed F. Al Rahmawy, "A web page distillation strategy for efficient focused crawling based on optimized Nave bayes (ONB) classifier", April 2017 Applied Soft Computing, Elsevier Science Publishers, Vol(53), No(3), April 2017.
23. Ahmed I. Saleh, "An Adaptive Cooperative Caching Strategy (ACCS) for Mobile Ad Hoc Networks", March 2017 Knowledge-Based Systems, Elsevier Science Publishers, Vol (120), No. (3), March 2017.
24. Ahmed I. Saleh & Hesham Arafat & Amr M. Hamed, "An Adaptive hybrid routing strategy (AHRS) for mobile ad hoc networks", Peer-to-Peer Network, Springer, pp. 1-18, 2017.
25. Doaa A. Altantawy, Ahmed I. Saleh, Sherif Kishk, "Single depth map super-resolution: A self-structured sparsity representation with non-local total variation technique", Eighth International Conference on Intelligent Computing and Information Systems (ICICIS) 2017
26. Ahmed I. Saleh, Fatma M. Talaat, Labib M. Labib, "A hybrid intrusion detection system (HIDS) based on prioritized k-nearest neighbors and optimized SVM classifiers", Artificial Intelligence Review, 2017.



27. Ahmed R. El-Sawi Ahmed I. Saleh, Ali Takieldeen, "Aerospace Vehicle Simulation and Analysis Applying Pure Pursuit Guidance Method", International Journal of Computer Applications (0975 – 8887), Vol (155), No (11), 19-21, 2017.
28. Ahmed I. Saleh, Mohammed S. Mostafa, Alyaa M. Shams, "Ant Colony Prediction by Using sectorized diurnal mobility model for handover management in PCS networks", Wireless Networks, 2017.
29. Reem E. Mohamed, Ahmed I. Saleh, Maher Abdelrazzak, Ahmed S. Samra, "Energy-efficient routing protocols for solving energy hole problem in wireless sensor networks", Computer Networks, Volume 114, 26 February 2017, Pages 51-6.
30. Ahmed I. Saleh, SA Gamel, KM Abo-Al-Ez, "A reliable routing protocol for vehicular ad hoc networks", Computers & Electrical Engineering, 2017.
31. Doaa A. Altantawy; Ahmed I. Saleh; Sherif Kishk, "A dual sparse and low rank representation for single image super-resolution: A self-learning approach", Published in: 2017 Eighth International Conference on Intelligent Computing and Information Systems (ICICIS), Date of Conference: 5-7 Dec. 2017.
32. Doaa A. Altantawy, Ahmed I. Saleh, Sherif S. Kishk, "Texture-guided depth upsampling using Bregman split: a clustering graph-based approach", The Visual Computer, pp 1–27, 2018.
33. Reem E. Mohamed, Ahmed I. Saleh, Maher Abdelrazzak, Ahmed S. Samra, "Survey on Wireless Sensor Network Applications and Energy Efficient Routing Protocols", Wireless Personal Communications, July 2018, Volume 101, Issue 2, pp 1019–1055, 2018.
34. Asmaa H. Rabie, Shereen H. Ali, Hesham A. Ali, Ahmed I. Saleh, "A fog based load forecasting strategy for smart grids using big electrical data", Cluster Computing, pp 1–30, 2018.
35. Taha M. Rajeh ,Ahmed I. Saleh, Labib M. Labib, "A New Cooperative Balancing Routing (CBR) Protocol to Enhance the Lifetime of Wireless Sensor Networks", Wireless Personal Communications, , Volume 98, Issue 3, pp 2623–2656, 2018.
36. Shimaa E. El-Sayyad, Ahmed I. Saleh, Hesham A. Ali, "A new semantic web service classification (SWSC) strategy", Cluster Computing, September 2018, Volume 21, Issue 3, pp 1639–1665, 2018.
37. Ahmed I. Saleh, Sahar A. Shehata, Labib M. Labib, "A fuzzy-based classification strategy (FBCS) based on brain-computer interface", Soft Computing, pp 1–25, 2018.
38. Sarah M Ayyad, Ahmed I. Saleh, Labib M. Labib, "Gene expression cancer classification using modified K-Nearest Neighbors technique", Biosystems, Volume 176, pp. 41-51, 2019.
39. Ahmed I. Saleh, Fatma M. Talaat, Labib M. Labib, "A hybrid intrusion detection system (HIDS) based on prioritized k-nearest neighbors and optimized SVM classifiers", Artificial Intelligence Review, Volume 51, pp. 403-443, 2019.
40. AH Rabie, SH Ali, HA Ali, AI Saleh, "A fog based load forecasting strategy for smart grids using big electrical data", Cluster Computing Volume (22), pp. 241-270, 2019.
41. WM Shaban, AH Rabie, AI Saleh, MA Abo-Elsoud, "A new COVID-19 Patients Detection Strategy (CPDS) based on hybrid feature selection and enhanced KNN classifier", Knowledge-Based Systems, 2020.
42. FM Talaat, SH Ali, AI Saleh, HA Ali, Effective load balancing strategy (ELBS) for real-time fog computing environment using fuzzy and probabilistic neural networks, Journal of Network and Systems Management, Volume (27), pp. 883-929, 2019.
43. FM Talaat, MS Saraya, AI Saleh, HA Ali, SH Ali, "A load balancing and optimization strategy (LBOS) using reinforcement learning in fog computing environment", Journal of Ambient Intelligence and Humanized Computing, pp. 1-16, 2020.



44. AI Saleh, SA Shehata, LM Labeeb, "A fuzzy-based classification strategy (FBCS) based on brain-computer interface", Soft Computing, Volume 23, pp. 2343-2367, 2019.
45. AH Rabie, SH Ali, AI Saleh, HA Ali, "A new outlier rejection methodology for supporting load forecasting in smart grids based on big data", Cluster Computing Volume 23, pp. 509-535, 2020.
46. FM Talaat, SH Ali, AI Saleh, HA Ali, "Effective cache replacement strategy (ECRS) for real-time fog computing environment", Cluster Computing, pp. 1-25, 2020.
47. SM Ayyad, AI Saleh, LM Labib, A new distributed feature selection technique for classifying gene expression data, International Journal of Biomathematics, Volume (12), 2020.
48. AE Abulwafa, AI Saleh, HA Ali, MS Saraya, " A fog based ball tracking (FB2T) system using intelligent ball bees", Journal of Ambient Intelligence and Humanized Computing, pp.1-20, 2020.
49. DA Altantawy, AI Saleh, SS Kishk, "Texture-guided depth upsampling using Bregman split: a clustering graph-based approach", The Visual Computer, Volume 36, pp. 333-359.
50. AH Rabie, SH Ali, AI Saleh, HA Ali, " A fog based load forecasting strategy based on multi-ensemble classification for smart grids", Journal of Ambient Intelligence and Humanized Computing, Volume 11, pp. 209-236.
51. WM Shaban, AH Rabie, AI Saleh, MA Abo-Elsoud, "Detecting COVID-19 patients based on fuzzy inference engine and Deep Neural Network", Applied Soft Computing, 2020.
52. TS Ibrahim, AI Saleh, N Elgaml, MM Abdelsalam, "A fog based recommendation system for promoting the performance of E-Learning environments", Computers & Electrical Engineering, Volume 87, 2020.
53. SA Hussein, AI Saleh, HED Mostafa, "A new fog based security strategy (FBS 2) for reliable image transmission", Journal of Ambient Intelligence and Humanized Computing Volume 11, 2020.
54. SH Ali, RA El-Atier, KM Abo-Al-Ez, AI Saleh, "A Gen-Fuzzy Based Strategy (GFBS) for Web Service Classification" Wireless Personal Communications, pp. 1-37, 2020.
55. SA Hussein, AI Saleh, HED Mostafa, MI Obaya, "A hybrid security strategy (HS2) for reliable video streaming in fog computing", Journal of Information Security and Applications, Volume 51, 2020.
56. DA Altantawy, AI Saleh, SS Kishk, "Bi-perspective Fisher discrimination for single depth map upsampling: A self-learning classification-based approach", Neurocomputing, Volume (380), pp. 321-340, 2020.

PROFESSIONAL DEVELOPMENT

- International Reviewer at:
 - International Journal of Grid Computing, Knowledge Based Systems, Cluster Computing, Applied Soft Computing, Computer and Network Applications, Applied Informatics
- Qualified Trainer in Information Technology Institute (ITI).