Curriculum Vitae

Personal Information

Name: Shereen Hassan Ali Abd El- Aziz

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Education

- B.Sc. Electronic Engineering (Computer Science), Mansoura University, June 2002.

- Master Degree in Computers and Systems Engineering, "A Hoarding Technique for Solving Disconnected Write Operation Problems", Faculty of Engineering, Mansoura University, 2009.

- Ph.D. Degree in Computers and Control systems Engineering, "Mining user Profiles in Recommendation System", Faculty of Engineering, Computer Engineering & System Department, Mansoura University, 2016.

Professional Experience

2004 up to 2011: Academic Research Assistant at the Computer Engineering & Systems Department, Faculty of Engineering, Mansoura University, Egypt. Duties include academic supervision and teaching the following courses:

- Information Technology
- Control System
- Computer Programming (Visual Basic.net, Visual C, C#, Java)

- Computer Operating Systems
- Database Developer and Management
- Computer Networking
- Logic and Digital Design
- Digital & Logic Circuits

2013 up to 2016: Engineer in Department of Electricity, Directorate of Housing and Utilities, Dakahlia, Egypt.

2016 up to now: Assistant Professor at Delta Higher Institute for Engineering and Technology, Mansoura, Egypt.

April 2022: Associate Professor at Delta Higher Institute for Engineering and Technology, Mansoura, Egypt.

Computer Skills

Proficient or familiar with a set of programming languages, concepts, and technologies including:

• JAVA

• C++

• MATLAB

- C#
- Visual Basic. NET

Research Interests

- Artificial Intelligence
- Data Mining
- Feature Selection
- Optimization
- Fog Computing
- Machine Learning

Publications

1. SH Ali, A New Intrusion Detection Strategy Based on Combined Feature Selection Methodology and Machine Learning Technique, MEJ. Mansoura Engineering Journal 46(4), 27-35, 2021. DOI: 10.21608/bfemu.2021.205079

2. Talaat, F.M., Ali, S.H., Saleh, A.I. et al. Effective cache replacement strategy (ECRS) for real-time fog computing environment. Cluster Comput 23, 3309–3333 (2020). https://doi.org/10.1007/s10586-020-03089-z

3. Talaat, F.M., Saraya, M.S., Saleh, A.I. et al. A load balancing and optimization strategy (LBOS) using reinforcement learning in fog computing environment. J Ambient Intell Human Comput 11, 4951–4966 (2020). https://doi.org/10.1007/s12652-020-01768-8

4. Ali, S.H., El-Atier, R.A., Abo-Al-Ez, K.M. et al. A Gen-Fuzzy Based Strategy (GFBS) for Web Service Classification. Wireless Pers Commun 113, 1917–1953 (2020). https://doi.org/10.1007/s11277-020-07300-7

5. Rabie, A.H., Ali, S.H., Saleh, A.I. et al. A new outlier rejection methodology for supporting load forecasting in smart grids based on big data. Cluster Comput 23, 509–535 (2020). https://doi.org/10.1007/s10586-019-02942-0

6. Rabie, A.H., Ali, S.H., Saleh, A.I. et al. A fog based load forecasting strategy based on multi-ensemble classification for smart grids. J Ambient Intell Human Comput 11, 209–236 (2020). https://doi.org/10.1007/s12652-019-01299-x

7. Talaat, F.M., Ali, S.H., Saleh, A.I. et al. Effective Load Balancing Strategy (ELBS) for Real-Time Fog Computing Environment Using Fuzzy and Probabilistic Neural Networks. J Netw Syst Manage 27, 883–929 (2019). https://doi.org/10.1007/s10922-019-09490-3

8. Rabie, A.H., Ali, S.H., Ali, H.A. et al. A fog based load forecasting strategy for smart grids using big electrical data. Cluster Comput 22, 241–270 (2019). https://doi.org/10.1007/s10586-018-2848-x

9. Ahmed I. Saleh, Ali I. El Desouky, Shereen H. Ali, "Promoting the performance of vertical recommendation systems by applying new classification techniques", Knowledge-Based Systems, Vol.75, PP: 192-223, 2015. https://doi.org/10.1016/j.knosys.2014.12.002

10.   A. I. El Desouky, A. I. Saleh, S. H. Ali, "Proposal for a Novel Cache Portioning Technique for Supporting Cooperation in Mobile Ad-hoc Networks", 10th INTERNATIONAL CONFERENCE ON INFORMATION, Delta University, Dec. 2010

11.   Ali E. Eldosouky, Mustafa Saleh, Ahmed I. Saleh, Shereen H. Ali, "An Adaptive Hoarding Technique (AHT) based on Naïve Bayes Classifier", INFOS, PP:44 - 53, March 2008

12.   Aida. O. Abd Gwad, Ahmed .E. Saleh, Shereen H. Ali, "A HOARDING TECHNIQUE FOR SOLVING MOBILE COMPUTINGDISCONNECTION PROBLEMS", Al-Azhar University Engineering Journal, JAUES, Vol. 2, No. 10, PP: 260 - 269, April 2007.