Curriculum Vitae

Ali Shakir Mahmood

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PERSONAL SUMMARY:

- I am an honest and hard-working person looking for optimal performance. I am a helpful team member. My longer-term goal is to be a good lecturer role. I am looking for a role that will allow me to prove that I have the skills and attitude to progress in my career.

GENERAL INFORMATION

Full Name : Ali Shakir Mahmood
Birth Date : 18\12\1981

EDUCATION:

- Ph.D. Data Security / Computer Science, 2017, Faculty of Computing, University of Technology Malaysia.
- M.Sc. Data Security / Computer Science, 2006, Iraqi Commission for Computer and Informatics, Informatics Institute for Postgraduate Studies.
- B.Sc. Software Engineering Science, 2003, AL- Rafidain University College.

Academic Honors and Awards:

- Thanks, and appreciation Letter from Minster of Higher Education and Scientific Research (6).
- Thanks, and appreciation Letter from President of Mustansiriyah University (17).
- Thanks, and appreciation Letter from Dean of College of Education (13).

Academic / Teaching Experience:

- Lecturer in Computer Science Department, College of Education, Mustansiriyah University, Baghdad, Iraq from 21/12/2006 until now.

Professional Affiliations:

- Member in Examination Committee for Undergraduate Studies for 2017-2018.
- Member in Liaison Committee with the Scientific Affairs for 2017-2018.
- Member in Examination Committee for Postgraduate Studies for 2018-2019.
- President of Academic Profile Committee for 2018-2019.
- Member in Examination Committee for Undergraduate Studies for 2020-2021.
- Member in Examination Committee for Undergraduate Studies for 2021-2022.
- Member in Examination Committee for Undergraduate Studies for 2022-2023.

Courses Taught:

Undergraduate	Post-Graduate
• Discrete Structure in 2006. • Discrete Structure in 2007. • Data Structure in 2008. • Data Structure in 2009. • Data Security in 2010. • Computer Architecture in 2011. • Data Structure in 2012. • Technical and Computer Organization in 2017. • Computer Architecture in 2018. • Data Structure in 2019. • Discrete Structure in 2020. • Data Security in 2021. • Data Structure in 2022.	• How to Prepare a Seminar in 2019. • How to Prepare a Seminar in 2020. • Cloud Computing 2021. • Cloud Computing 2022.

Publications:

1. Salim A. Al-Ageelee and Ali Shakir Mahmood, "The Role of Selection in Genetic Algorithms", "Al-Mustansiriyah Journal of Science", Volume (19), Issue (5), Iraq, 2008.
2. Salim A. Al-Ageelee and Ali Shakir Mahmood, "Genetic Algorithms as Pseudo Random Number Generator", "The Seventeen Scientific Conference of the College of Education", Iraq, 2010.
3. Salim A. Al-Ageelee and Ali Shakir Mahmood, "The Role of Crossover in Genetic Algorithms", "The Seventeen Scientific Conference of the College of Education", Iraq, 2010.
4. Ali Shakir Mahmood and Ahmed Hashim Mohammed, "Segmentation for Color Image", "Journal of the College of Basic Education", Volume (17), Issue (67), Iraq, 2011.
5. Ali Shakir Mahmood, "Information Hiding Using Haar Wavelet (Wave in Wave)", "Journal of Al-Turath University College", Volume (10), Iraq, 2011.
6. Salim A. Al-Ageelee and Ali Shakir Mahmood, "Information Hiding by Using 2nd (LSB) Method", "The Eighteen Scientific Conference of the College of Education", Iraq, 2011.
7. Salim Ali Al-Ageelee, Zuheir H. Ali and Ali Shakir Mahmood, "Use of Neural Network in Cryptography as a Cryptosystem", "The Eighteen Scientific Conference of the College of Education", Iraq, 2011.
8. Salim A. Al-Ageelee and Ali Shakir Mahmood, "Comparative Analysis of Mutation Schemes Used in Genetic Algorithms", "Iraqi Journal of Information Technology", Volume (5), Issue (1), Iraq, 2012.
9. Salim Ali Al-Ageelee, Ali Shakir Mahmood and Zuheir H. Ali, "Design a New Stream Cipher", "Journal of the College of Education", Volume (1), Issue (1), Iraq, 2012.
10. Ali Shakir Mahmood, "Genetic Algorithms as a Random Password Generator", "Journal of Al-Turath University College", Volume (12), Iraq, 2012.
11. Salim Ali Al-Ageelee, Ali Shakir Mahmood and Anwar Abbas Hattab, "Image Encryption and Decryption by Using Genetic Algorithms", Iraqi Journal of Information Technology", Volume (5), Issue (2), Iraq, 2013.
12. Ali Shakir Mahmood and Mohd Shafry Mohd Rahim, "State of the Art of Image Ciphering: A Review", "International Journal of Computer Science Issues", Volume (11), Issue (2), Mauritius, 2014.
13. Ali Shakir Mahmood and Mohd Shafry Mohd Rahim, "Implementation of the Binary Random Number Generator Using the Knight Tour Problem", "Modern Applied Science", Volume (10), Issue (4), Canada, 2016.
14. Ali Shakir Mahmood and Mohd Shafry Mohd Rahim, "Generating and Expanding of an Encryption Key Based on Knight Tour Problem", "Journal of Theoretical and Applied Information Technology", Volume (95), Issue (7), Pakistan, 2017.
15. Ali Shakir Mahmood, "Traditional Techniques of Color Image Encryption", Mohd Shafry Mohd Rahim (Ed.), "Advances in Image Processing and Computer Vision", (pp 105-128), Penerbit UTM Press, Johor, Malaysia, 2017.
16. Ali Shakir Mahmood, Salim Ali Abbas and Mohd Shafry Mohd Rahim, "The Role of Selection in Genetic Algorithms" ISBN-13: 978-3659891908, LAP LAMBERT Academic Publishing, 2017.

17. Ahmed Kawther Hussein and Ali Shakir Mahmood, "Wichmann-Hill PRNG based Design Smart Digital Door Lock using Android-Arduino", "Journal of Engineering and Applied Sciences", Volume (13), Issue (16), United Arab Emirates, 2018.

18. Ali Shakir Mahmood and Mohd Shafry Mohd Rahim, "Novel Method for Image Security System Based on Improved SCAN Method and Pixel Rotation Technique", "Journal of Information Security and Applications", Volume (42), United Kingdom, 2018.

19. Ali Shakir Mahmood, "Design Random Number Generator Utilizing the Futoshiki Puzzle", "Journal of Information Hiding and Multimedia Signal Processing", Volume (10), Issue (1), Taiwan, 2019.

20. Salam Abdulnabi Thajeel, Ali Shakir Mahmood, Waleed Rasheed Humood, & Gazaly Sulong, (2019). Detection copy-move forgery in image via quaternion polar harmonic transforms. KSII Transactions on Internet and Information Systems (TIIS), 13(8), 4005-4025.

21. Ameen Abdulzahra Noor, Ziad Mohamed Abood., and Ali Shakir Mahmood (2019). Video Enhancement Utilizing Old and Low Contrast. Journal of Southwest Jiaotong University, 54(6).

22. Zuhair Hussain Ali., Ahmed Kawther Hussein, and Ali Shakir Mahmood (2019). Ray Optimization Algorithm for Multi Document Summarization. Journal of College of Education, 3(3).

23. Rasool Salah Salman, Alaa Kadhim Farhan., and Ali Shakir Mahmood (2022, March). Lightweight Modifications in the Advanced Encryption Standard (AES) for IoT Applications: A Comparative Survey. In 2022 International Conference on Computer Science and Software Engineering (CSASE) (pp. 325-330). IEEE.

24. Tuieb, M. B., Ali Shakir Mahmood, and Farah Neamah Abbas, (2022, August). Fusion of DWT as a Novel Approach for Efficient, Secured and Reversible Video Steganography. In Journal of Physics: Conference Series (Vol. 2322, No. 1, p. 012093). IOP Publishing.

25. Rasool Salah Salman, Alaa Kadhim Farhan, and Ali Shakir Mahmood. Creation of S-Box based One-Dimensional Chaotic Logistic Map: Colour Image Encryption Approach. Int. J. Intell. Eng. Syst, 15(5), 2022.

PROFESSIONAL DEVELOPMENT

1. #1: IC3 Certificate 2007, 6/6/2010.
2. #1: IC3 Certificate 2010, 19/7/2010.
3. Toefl Certificate, 21/1/2012.