

Muayed Sattar Sajit AL-Huseiny

مؤيد ستارساجت علي الحسيني

Professor

CONTACT

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EDUCATION

Doctorate (2011-12-30)
AI and Computer Vision
University of Southampton

Master's Degree (2005-07-15)
Computer and Software Engineering-Security of Information
AL-Mustansiriyah University

Bachelor's Degree (2002-07-15)
Computer and Software Engineering
AL-Mustansiriyah University

RESEARCH METRICS

h-index (Scopus)	6
h-index (GS)	10
Citations (Scopus)	548
Citations (GS)	768
Documents (Scopus)	15
Documents (GS)	26

PROFILE

Muayed S AL-Huseiny received his BSc and MSc degrees in Computer and Software Engineering form AL-Mustansiriya University in 2002 and 2005 respectively. He received his PhD in Electronics and Computer Science from the University of Southampton, UK in 2012. He received several research grants as well as a study scholarship. He is an alumnus of the Fulbright Visiting Scholars program in the University of Central Oklahoma, USA in 2014.

Dr. AL-Huseiny is currently a Professor and faculty member at College of Engineering in Wasit University. His research interests include computer vision and machine learning (AI) in the fields of biomedical engineering, biometrics, IoT, surveillance and ecology. He published several research papers in these fields and authored a book in cryptography. His current focus is on developing systems prediction and surveillance systems by using computer vision and AI.

ACADEMIC TITLES

2022-11-17	Professor

ADMINISTRATIVE POSITIONS

2019-02-12 - 2020-09-27	Dean of the College of Computer Science and Information Technology
2016-11-23 - 2018-07-02	Deputy Dean for Scientific Affairs College of Engineering
2016-02-01 - 2016-09-04	Deputy Dean for Administrative Affairs College of Dentistry
2013-10-08 - 2016-01-04	Director of the Avicenna Center for E-Learning
2018-07-02 - 2018-12-13	Head of Electrical Engineering Department

PUBLICATIONS (27)

1. **TMJ Changes Before and After Implant of Posterior Partial Edentulous Patients Free of TMD Signs Under the Scope of Cadiax Compact II Device**
   South Eastern European Journal of Public Health, 9-15, 2024 | 2024
2. **Detection of epileptic seizures in EEG by using machine learning techniques**
   Diagnostyka 24 (1), 1-7, 2023 | 2023 | Cited: 7
3. **Optimization of Vehicles Routing Problem using GA For AL-Rasheed municipality, Baghdad, Iraq**
   Wasit Journal of Engineering Sciences 11 (2), 24-36, 2023 | 2023 | Cited: 1
4. **Design of modified adaptive PID controller for lower limb rehabilitation robot based on grey wolf optimization algorithm**
   Webology 19 (1), 295-310, 2022 | 2022 | Cited: 12
5. **Optimization of Distribution Control System in Oil Refinery by Applying Hybrid Machine Learning Techniques**
   IEEE Access | 2022 | Cited: 24
6. **Design of Adaptive PID Controller for Lower Limb Rehabilitation Robot Based on Particle Swarm Optimization Algorithm.**
   Wasit Journal of Engineering Sciences 10 (1), 11-19, 2022 | 2022 | Cited: 2

7. **Breast cancer cad system by using transfer learning and enhanced ROI**
Applied Computer Science 18 (1), 99-111, 2022 | 2022

8. **Transfer Learning with GoogLeNet for Detection of Lung Cancer**
Indonesian Journal of Electrical Engineering and Computer Science 22 (2 ..., 2021 | 2021 | Cited: 196

9. **Optimal sliding mode controller design based on whale optimization algorithm for lower limb rehabilitation robot**
Applied Computer Science 17 (3), 47-59, 2021 | 2021 | Cited: 10

10. **Evaluation of SVM performance in the detection of lung cancer in marked CT scan dataset**
Indonesian Journal of Electrical Engineering and Computer Science 21 (3 ..., 2021 | 2021 | Cited: 196

11. **The efficiency of soft sensors modelling in advanced control systems in oil refinery through the application of hybrid intelligent data mining techniques**
Journal of Physics: Conference Series 1529 (5), 052049, 2020 | 2020 | Cited: 11

12. **Diagnosis of arrhythmia based on ECG analysis using CNN**
Bulletin of Electrical Engineering and Informatics 9 (3), 988-995, 2020 | 2020 | Cited: 17

13. **Diagnosis of lung cancer based on CT scans using CNN**
IOP conference series: materials science and engineering 928 (2), 022035, 2020 | 2020 | Cited: 233

14. **Implementation of national cryptocurrency using ethereum development platform**
Periodicals of Engineering and Natural Sciences (PEN) 7 (3), 1021-1029, 2019 | 2019 | Cited: 8

15. **Efficient soft sensor modelling for advanced manufacturing systems by applying hybrid intelligent soft computing techniques**
International Journal of Simulation: Systems, Science and Technology | 2018 | Cited: 7

16. **Optimal Realization of the Rijndael Algorithm on Xilinx ® Platforms**
Lambert Academic Publishing | 2015

17. **An e-learning environment based on the Moodle platform for Iraq universities**
Wasit Journal of Engineering Sciences 3 (2), 5-67, 2015 | 2015 | Cited: 6

18. **Shape registration using characteristic functions**
IET Image Processing 9 (3), 249-260, 2015 | 2015 | Cited: 6

19. **On analysing deformable (moving) objects**
University of Southampton, 2012 | 2012

20. **Similarity registration for shapes based on signed distance functions**
International Symposium on Visual Computing, 599-609, 2012 | 2012 | Cited: 11

21. **Robust rigid shape registration method using a level set formulation**
International Symposium on Visual Computing, 252-261, 2010 | 2010 | Cited: 7

22. **Gait learning-based regenerative model: A level set approach**
2010 20th International Conference on Pattern Recognition, 2644-2647, 2010 | 2010 | Cited: 17

23. **Gait Sequence Synthesis and Reconstruction**
2009 | Cited: 1

24. **Level set gait analysis for synthesis and reconstruction**
International Symposium on Visual Computing, 377-386, 2009 | 2009 | Cited: 4

25. **A Device Independent High Grade Implementation of AES on Xilinx FPGAs**
Journal of Engineering and Sustainable Development 9 (2), 70-81, 2005 | 2005

26. **A Device Independent High Grade Implementation of AES on Xilinx FPGA's**
Journal of Engineering and Sustainable Development | 2005

27. **Al-Huseiny, Sasan Mahmoodi, and Mark S. Nixon. Gait learning-based regenerative model: A level set approach**
Proceedings of the 2010 20th International Conference on Pattern Recognition ..., 0 | 0 | Cited: 2