

Faculty Vitae

1. Name : Emad A. Mohammed

2. Education

Bachelor, Electrical and Electronic Engineering, University of Technology, 1994

Master, Communication Engineering, University of Technology, 2003

Ph.D, Computer Networks Engineering, University of Mosul, 2016

3. Academic experience

Technical Engineering College of Mosul, Assistant lecturer, Teaching staff member (2005-2016), Fulltime.

Technical Engineering College of Mosul, lecturer, Head of computer engineering technology department (2017-2019), Fulltime.

Technical Engineering College of Mosul, lecturer, Head of computer engineering technology department (2020-2022), Fulltime.

Technical Engineering College of Mosul, Assistant professor, Head of computer engineering technology department (2023-till now), Fulltime.

4. Non-academic experience None

5. Certifications or professional registrations None

6. Current membership in professional organizations None

7. Honors and awards None

8. Service activities (within and outside of the institution) None

9. Publications:

1. “Robotic vision based automatic pesticide sprayer for infected citrus leaves using machine learning”. *Przegląd Elektrotechniczny*, 2023, 2023(8), pp. 98–101
2. Citrus leaves disease diagnosis” *Indonesian Journal of Electrical Engineering and Computer Science*, 2023, 31(2), pp. 925–93.
3. “ Internet of things based real-time electric vehicle and charging stations monitoring system” *Indonesian Journal of Electrical Engineering and Computer Science*, 2022, 27(3), pp. 1661–1669

4. "Detection and Classification of the Osteoarthritis in Knee Joint Using Transfer Learning with Convolutional Neural Networks (CNNs)" *Iraqi Journal of Science*, 2022, 63(11), pp. 5058–5071
5. "Smart vehicle height detection for limited height roads" *Przegląd Elektrotechniczny*, 2022, 98(8), pp. 84–88
6. "Effect of Speed on the Performance of VANET Routing Protocol" *International Journal of Mechanical Engineering*, 2022, 7(1), pp. 1829–1834
7. "Individual Recognition with Deep Earprint Learning" *International Conference on Communication and Information Technology, ICICT 2021*, 2021, pp. 304–309
8. "Estimation of the number of people in an indoor environment based on wifi received signal strength indicator" *Bulletin of Electrical Engineering and Informatics*, 2021, 10(3), pp. 1473–1481
9. "Biometric Signature based Public Key Security System" *3rd International Conference on Advanced Science and Engineering, ICOASE 2020*, 2020, pp. 133–138, 9436615
10. "IoT-Based Monitoring and Management Power Sub-Station of the University of Mosul" *IOP Conference Series: Materials Science and Engineering*, 2020, 928(2), 022061
11. "Real-Time Driver Awareness Detection System" *IOP Conference Series: Materials Science and Engineering*, 2020, 745(1), 012053
12. "Recognition of multi-font English electronic prescribing based on convolution neural network algorithm" *Bio-Algorithms and Med-Systems*, 2020, 16(3), 20200021
13. "Design and implementation of single bit error correction linear block code system based on FPGA" *Telkomnika (Telecommunication Computing Electronics and Control)*, 2019, 17(4), pp. 1785–1795
14. "Detection of DTV Spectrum White Spaces for IEEE 802.22 Network Using Correlator Detector" *2nd International Conference on Electrical, Communication, Computer, Power and Control Engineering, ICECCPCE 2019*, 2019, pp. 137–142, 9072941
15. "Implementation of WSN based Smart Irrigation System" *Przegląd Elektrotechniczny*, 2023, 99(6), pp. 27–31
16. "DCNN oscillator design, implementation, and performance evaluation" *Przegląd Elektrotechniczny*, 2023, 99(4), pp. 84–88

10. Briefly list the most recent professional development activities