

## Curriculum Vitae

### Dr. Mohammed Ali Tawfeeq

Mustansiriyah University – College of Engineering

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#### PERSONAL SUMMARY:

- Ph.D. in Computer Engineering with experience for more than (22) years.

#### EDUCATION:

- Ph.D.: Computer Engineering / University of Technology, 2006.
- M.Sc.: Control and Computer Engineering / University of Baghdad, 1989.
- B.Sc.: Electrical Engineering/ University of Technology, 1979.

#### ACADEMIC HONORS AND AWARDS:

- #5: Acknowledgment from the Minister of Higher Education and Scientific Research.
- #6: Acknowledgment from the President of Mustansiriyah University.
- #30: Acknowledgment from the Dean of the College of Engineering

#### ACADEMIC /TEACHING EXPERIENCE:

- 2010 till now: College of Engineering/ Mustansiriyah University, Academic staff member.
- 2006-2009: College of Information Engineering/ Al-Nahrain University, Academic staff member.
- 2000-2006: Computer Engineering and Information department / Al-Rasheed College for Engineering and Science / University of Technology, Academic staff member.

#### COURSES TAUGHT:

Undergraduate	Graduate
Intelligent systems	Data security
Engineering analysis	Artificial neural networks
Computer graphics	Data mining
Programming cases	
Database management systems	

#### PROFESSIONAL AFFILIATIONS:

- Iraqi Engineering Union

#### PUBLICATIONS:

الأستاذ المساعد الدكتور  
محمد علي توفيق  
معاون التقنية للشؤون العامة  
٢٠٢٣ / ١ / ٨

أ. د. ولاء محمد حسن خلف  
رئيس قسم هندسة الحاسوب  
٢٠٢٣ / ١ / ٨

1. Control of Robot Directions Based on Online Hand Gestures, Ayam Muhsen, IJEEE - Iraqi Journal for Electrical and Electronic Engineering, 2018.
2. High Rate Outlier Detection in Wireless Sensor Networks: A Comparative Study, H. Shia, S. Mahmood, I.J. Modern Education and Computer Science, 2019.
3. Reducing energy consumption and packets delay in Wireless Sensor Networks by creating nodes partnership, H. Fakher, S. Mahmood, Iraqi Journal of Information Technology, 2019.
4. Deep learning model for thorax diseases detection, G. Shideed, S. Mahmood, TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2020.
5. Automatic Medical Images Segmentation Based on Deep Learning Networks, G. Shideed, S. Mahmood, Egypt, 2020.
6. Optimization of Neural Networks Based on Modified Multi-Sonar Bat Units Algorithm, International Journal on Electrical Engineering and Informatics, 2020
7. Outlier Detection Technique Using Ct-OCSVM And Fuzzy Rule-Based System in Wireless Sensor Networks, H. Shia, S. Mahmood, 2020.
8. Diagnosing Thorax Diseases using Deep Learning Models, G. Shideed, S. Mahmood, Journal of Engineering and Sustainable Development, 2020.
9. Overlapped Hierarchical Clusters Routing Protocol for Improving Quality of Service, H. Fakher, S. Mahmood, TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2021.
10. Prolonging WSNs Lifetime in IoT Applications based on Consistent Algorithm, M. Abdallah, TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2021.
11. Residential Load Scheduling Based Analytical Optimization Method, M. Sultan, H. Hayder, IOP Conf. Series: Materials Science and Engineering -2nd-International Scientific Conference of Engineering Sciences - 4th Scientific Conference of Engineering Science (ISCES), with University of Diyala, College of Engineering, Iraq, 2020.
12. Machine Learning Challenges for IoT Device Fingerprints Identification, V. Ferman, Journal of Physics: Conference Series, 2021.
13. Residential load control system based analytical optimization method for real residential data consumption, M. Sultan, H. Hayder, ICESAT ICESAT-2021 (3rd International Scientific Conference of Engineering Sciences and Advances Technologies) Journal of Physics: Conference Series (3rd International Scientific Conference of Engineering Sciences and Advances Technologies) Journal of Physics: Conference Series, 2021.
14. Gradient Boosting Algorithm For Early Detection Of Unknown Internet Of Things Devices, V. Ferman, Journal of Engineering and Sustainable Development, 2021.
15. Artificial Neural Network for Prediction of Un erupted Premolars and Canines, S. Ali, H. Saloom, International Medical Journal, 2021.
16. Artificial Neural Network for Prediction of Un-erupted Premolars and Canines in Different Malocclusions, Turkish Journal of Physiotherapy and Rehabilitation, 2021.
17. Enhancing Route lifetime in Vehicular Ad Hoc Networks Based on Skellam Distribution Model, International Journal of Communication Networks and Information Security (IJCNIS), 2021.
18. Artificial Neural Network for Prediction of Un-erupted Premolars and Canines in Different Malocclusions, Turkish Journal of Physiotherapy and Rehabilitation, 2021.
19. Cephalometric Variables Prediction from Lateral Photographs Between Different Skeletal Patterns Using Regression Artificial Neural Networks, Turkish Journal of Orthodontic, 2022.
20. Analysis of IoT Device Network Traffic: Thinking Toward Machine Learning, In: Sharma, D.K., Peng, SL., Sharma, R., Zaitsev, D.A. (eds) Micro-Electronics and Telecommunication Engineering. Lecture Notes in Networks and Systems, vol 373. Springer, Singapore. 2022.
21. Early Generation and Detection of Efficient IoT Device Fingerprints Using Machine Learning, International Journal on Advanced Science, Engineering, Information and Technology, 2022.

## PROFESSIONAL DEVELOPMENT

- Certifications.
- Conferences.
- Workshops.

الأستاذ المساعد الدكتور  
عقباوي محمد الجبالي

٢٠٢٣/١/٨



أ.د. محمد عايد تومر

## السيرة الذاتية

أ. د. محمد علي توفيق

الجامعة المستنصرية - كلية الهندسة

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Email: drmutawfeeq@uomustansiriyah.edu.iq

ملخص تعريفى: دكتوراه في هندسة حاسبات

- كلمات مختصرة وليس فقرات مختصرة اضافة الى بعض الخبرات المهنية.

### الشهادات الدراسية:

- دكتوراه هندسة حاسبات/ الجامعة التكنولوجية، 2006
- ماجستير هندسة سيطرة وحاسبات/ كلية الهندسة/ جامعة بغداد، 1989.
- بكالوريوس هندسة كهربائية/ الجامعة التكنولوجية، 1979.

### الجوائز والتكريم الأكاديمي

- (5) كتب شكر من السيد وزير التعليم العالي والبحث العلمي
- (6) كتب شكر من السيد رئيس الجامعة المستنصرية.
- (30) كتاب شكر من السيد عميد كلية الهندسة.

### الخبرة الأكاديمية والتدريس:

- 2010 حتى الآن: عضو هيئة تدريس في كلية الهندسة / الجامعة المستنصرية.
- 2009-2006: عضو هيئة تدريس في كلية هندسة المعلومات / جامعة النهرين.
- 2006-2000: عضو هيئة تدريس في قسم هندسة الحاسوب والمعلومات / كلية الرشيد للهندسة والعلوم / الجامعة التكنولوجية.

### المقررات الدراسية التي تم تدريسها:

الدراسات الأولية	الدراسات العليا
أنظمة ذكية تحليلات هندسية رسومات حاسوبية حالات برمجة انظمة ادارة قواعد البيانات	شبكات عصبية اصطناعية أمنية بيانات تنقيب بيانات

### الانتساب المهني او الجمعيات:

- نقابة المهندسين العراقيين

### المنشورات العلمية

- Control of Robot Directions Based on Online Hand Gestures, Ayam Muhsen, IJEEE - Iraqi Journal for Electrical and Electronic Engineering, 2018.

أ. د. ولاء محمد حسن خلف

رئيسة قسم هندسة الحاسوب

٢٠٢٣ / ١ / ٨

الأستاذ المساعد الدكتور  
محمد علي توفيق  
مشارك الفعالية للشؤون العامة

- High Rate Outlier Detection in Wireless Sensor Networks: A Comparative Study, H. Shia, S. Mahmood, I.J. Modern Education and Computer Science, 2019.
- Reducing energy consumption and packets delay in Wireless Sensor Networks by creating nodes partnership, H. Fakher, S. Mahmood, Iraqi Journal of Information Technology, 2019.
- Deep learning model for thorax diseases detection, G. Shideed, S. Mahmood, TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2020.
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- Optimization of Neural Networks Based on Modified Multi-Sonar Bat Units Algorithm, International Journal on Electrical Engineering and Informatics, 2020
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- Diagnosing Thorax Diseases using Deep Learning Models, G. Shideed, S. Mahmood, Journal of Engineering and Sustainable Development, 2020.
- Overlapped Hierarchical Clusters Routing Protocol for Improving Quality of Service, H. Fakher, S. Mahmood, TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2021.
- Prolonging WSNs Lifetime in IoT Applications based on Consistent Algorithm, M. Abdallah, TELKOMNIKA Telecommunication, Computing, Electronics and Control, 2021.
- Residential Load Scheduling Based Analytical Optimization Method, M. Sultan, H. Hayder, IOP Conf. Series: Materials Science and Engineering -2nd-International Scientific Conference of Engineering Sciences - 4th Scientific Conference of Engineering Science (ISCES), with University of Diyala, College of Engineering, Iraq, 2020.
- Machine Learning Challenges for IoT Device Fingerprints Identification, V. Ferman, Journal of Physics: Conference Series, 2021.
- Residential load control system based analytical optimization method for real residential data consumption, M. Sultan, H. Hayder, ICESAT ICESAT-2021 (3rd International Scientific Conference of Engineering Sciences and Advances Technologies) Journal of Physics: Conference Series (3rd International Scientific Conference of Engineering Sciences and Advances Technologies) Journal of Physics: Conference Series, 2021.
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- Analysis of IoT Device Network Traffic: Thinking Toward Machine Learning, In: Sharma, D.K., Peng, SL., Sharma, R., Zaitsev, D.A. (eds) Micro-Electronics and Telecommunication Engineering. Lecture Notes in Networks and Systems, vol 373. Springer, Singapore. 2022.
- Early Generation and Detection of Efficient IoT Device Fingerprints Using Machine Learning, International Journal on Advanced Science, Engineering, Information and Technology, 2022.

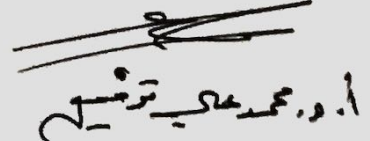
تطوير المهارات:



الأستاذ المساعد الدكتور  
بغداد / ٢٠٢٢  
معاون مدير الجامعة



Workshops. Conferences. Certifications. •



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