Curriculum Vitae

Fatimah Shamsulddin Abdulsattar

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PERSONAL SUMMARY:

- My first employment in the higher education ministry on 3/8/2003.
- I have worked as an assistant professor at the Computer Engineering Department since March 2022.
- My research interests are computer vision, image processing, biometrics, pattern recognition, machine learning, cryptography, and deep learning.
- Since October 2025, I have started my new role as a graduate-level instructor in the Department of Computer Engineering at Mustansiriya University.
- Professional in using Raspberry Pi microcomputers and programming using Python, Matlab, C++, Visual Basic, and OpenCV.

EDUCATION:

- Ph.D. in Electronics and Electrical Engineering from the University of Southampton, UK, 2016.
- M.Sc. in Computer and Software Engineering from the University of Mustansiriyah, Iraq, 2005.
- B.Sc. in Computer and Software Engineering from the University of Mustansiriyah, Iraq, 2002.

ACADEMIC HONORS AND AWARDS:

- Award for the second-highest ranking students in the Engineering College from the president of Mustansiriyah University, Iraq, 2002.
- Award for the third-highest ranking students in the Computer Engineering specialization from the president of Iraq, 2002.
- Award for the best paper presented at the annual conference of the Vision. Learning and Control Group, University of Southampton, UK, 2016.
- Several acknowledgment books from the Dean of the Engineering College.
- Acknowledgment books from the President of Mustansiriyah University.
- Acknowledgment books from the Minister of Higher Education in Iraq.

ACADEMIC /TEACHING EXPERIENCE:

- Teaching several undergraduate (theoretical and practical) courses at the Computer Engineering Dept. / Mustansiriyah University / Iraq, since 2003.
- Supervising a number of undergraduate 4th year projects since 2006.
- Teaching several postgraduate (theoretical and practical) courses at the Computer Engineering Dept. / Mustansiriyah University / Iraq, since 2022.
- Supervising postgraduate students since 2025.

COURSES TAUGHT:

Undergraduate	Graduate
1. Numerical analysis	1. Scientific Research methodologies
2. Artificial systems	2. Computer vision
3. Software engineering	3. Artificial neural Networks

الأستاذ الدكتور
علي خالد جاسم
معاون العميد للشؤون العلمية

أ.م. هبة اكرم علي
رئيس قسم هندسة الحاسوب

4. Data security 5. Artificial intelligent lab. 6. Numerical analysis lab. 7. Computer control lab. 8. Artificial intelligent lab. 9. Cryptography lab. 10. Image processing lab.	

PROFESSIONAL AFFILIATIONS:

- Member of the Iraqi Team of computers.
- Member of the Iraqi Engineers Association.
- Head of the Iraqi Academics Association.

PUPLICATIONS:

- Munther N. Baker, Ali A. Al-Zuky , and Fatimah S. Abdulsattar, "Colour Image Noise Reduction Using Fuzzy Filter", Engineering and development Journal, Vol.12, No.2, June 2008.
- Fatimah S. Abdulsattar, "On the Security of Bitmap Images using Scrambling based Encryption Method", Engineering and Development Journal, Vol.13, No.9, September 2009.
- Khamis A. Zidan, Fatimah S. Abdulsattar, Media Abdul Razak Ali, and Ekhlas H. Karam, "An Efficient Technique for Information Recovery of Erroneous Image Blocks Transmitting Over Error Prone Networks", Eng. & Tech. Journal, Vol.28, No.13, 2010.
- Fatimah S. Abdulsattar, "Robust Digital Watermarking Technique for Satellite Images", published in Engineering & Development Journal/Mustansiriyah University, Vol.16.No.2, 2012.
- Dhafer R. Zagher, Fatimah S. Abdulsattar, and Khamis A. Ziden, "High Speed Tracking System Using Single Chip FPGA" College of Engineering Journal, Al-Nahrain University, Vol.16, No.1, 2013.
- Fatimah S. Abdulsattar and John Carter "Performance Analysis of gait recognition with large perspective distortion" published in the IEEE International Conference on Identity, Security and Behavior Analysis , Japan, 2016.
- Fatimah S. Abdulsattar and John Carter "A practical technique for gait recognition on curved and straight trajectories", published in the 9th IAPR International Conference on Biometrics, Sweden, 2016.
- Fatimah S. Abdulsattar "The effect of using projective cameras on view-independent gait recognition performance" published in Iraqi Journal of Electrical and Electronics Engineering, Basra University, Vol.14, No.1, 2018.
- Fatimah S. Abdulsattar "Towards a high capacity coverless information hiding approach" Multimedia Tools and Applications, Vol. 80, No. 12, pp. 18821–18837, 2021. DOI: 10.1007/s11042-021-10608-6
- Fatimah S. Abdulsattar "A New Adaptive Filter for Eliminating Salt and Pepper Noise," IOP Conference Series: Materials Science and Engineering, Vol. 928, No. 3, Art. No. 032001, 2020. DOI:10.1088/1757-899X/928/3/032001
- Abdulsattar, F.S. On the Effectiveness of Using Wavelet-based LBP Features for Melanoma Recognition in Dermoscopic Images. 2021 International Conference on Information Technology (ICIT), Art. No. 9491676, pp. 406–411, 2021. DOI: 10.1109/ICIT52682.2021.9491676
- Abdulsattar, F.S.; Zaghar, D.; Khalaf, W. A Systematic Multichimera Transform for Color Image Representation. Symmetry, Vol. 14, No. 3, Art. No. 516, 2022. DOI: 10.3390/sym14030516
- Abdulsattar, F.S.; Khalaf, W.M. Melanoma Diagnosis Using Singular Value Decomposition Based on Empirical Mode Decomposition. AIP Conference Proceedings, Vol. 2830, No. 1, Art. No. 040002, 2023. DOI: 10.1063/5.0156855
- Baji, F.S.; Abdullah, S.B.; Abdulsattar, F.S. K-mean clustering and local binary pattern techniques for automatic brain tumor detection. Bulletin of Electrical Engineering and Informatics, Vol. 12, No. 3, pp. 1586–1594, 2023. DOI: 10.11591/eei.v12i3.4404

الأستاذ الدكتور
علي خالد جاسم
معاون العميد للشؤون العلمية

- Abdulsattar, F.S.; Zaghar, D.R.; Khalaf, W.M. Self-encoded chimera transform for digital image representation. Multimedia Tools and Applications, Vol. 83, No. 20, pp. 58125–58139, 2024. DOI:10.1007/s11042-023-17623-9

PROFFESSIONAL DEVELOPMENT

- A certificate for participation in the Doctoral Consortium that is held in the 9th IAPR International Conference on Biometrics, Sweden, 2016.
- Participate in two International conferences (IEEE International Conference on Identity, Security and Behavior Analysis, 9th IAPR International Conference on Biometrics) and attend several local conferences in Iraq.
- A certificate of the IC3 test.
- A certificate of IELTS test for the English language.
- A certificate of Publons Academy peer review graduation.