

1. Professional Experience

Position	Place	Duration (From- To)
Lecturer	Computer and Information Engineering Department, Ninevah University, Iraq	September, 2018-present
PhD study	School of Electrical and Electronic Engineering, Newcastle University, UK	Sep, 2013- November, 2017
Lecturer	Computer Engineering Department, University of Mosul, Iraq	Feb, 2010 – September, 2013

2. Education & Qualifications

- September, 2013 – November, 2017: **PhD in Electrical and Electronic Engineering.**
School of Engineering, Newcastle University, UK
- 2008-2010: **M.Sc. degrees in Computer Engineering**
Computer Engineering Department, College of Engineering, University of Mosul, Iraq.
- 2004-2008: **B.Sc. degrees in Computer Engineering**
Computer Engineering Department, College of Engineering, University of Mosul, Iraq.

3. Awards

- **ABTA 2017 Doctoral Researcher Award** (Engineering Sciences)
<http://www.abtinet.org.uk/Awards/Detail/10/2017-ABTA-Doctoral-Researcher-Awards/>
- **IEEE travel grant** to attend the 13th international school for advanced studies on biometrics, Italy 2016.
- **Best poster award** and **best presentation award** in the annual research conference, Newcastle University, Jan, 2014 and Jan, 2015, respectively.

4. Professional Training summer schools

Program Title	Date
Fourth Edinburgh Deep Learning Workshop	March, 2017, UK
21st BMVA Computer Vision Summer School	4-8 July, 2016, UK
13 th Summer school for advanced studies on biometrics, Forensic Science and the Quest for Identity	20-24 June, 2016, Italy

5. Fellowship of the UK Higher Education Academy

Place	Course Title	Date
Staff Development Unit, Newcastle University	Introduction to Teaching and Learning in Higher Education (ILTHE)	Feb, 2014
	Learning, Teaching and Engaging Students (leading to Associate Fellow of Higher Education Academy (AFHEA) certificate)	November, 2015

6. Membership

- **AFHEA** (Associate fellow of the Higher Education Academy, UK)
- **IEEE Member** (2010 - present)
- **BMVA member** (2014-present)

7. Publications

Details on: https://scholar.google.co.uk/citations?user=e4_29gUAAAAAJ&hl=en

• Selected Journal papers

1. Alageli, Mahmoud, Aissa Ikhlef, Fahad Alsifiany, **M. A. M. Abdullah**, Gaojie Chen, and Jonathon Chambers. "Optimal Downlink Transmission for Cell Free SWIPT Massive MIMO Systems with Active Eavesdropping." **IEEE Transactions on Information Forensics and Security**, vol. 15, pp. 1983-1998, 2020.
2. Al-Kaltakchi, Musab TS, Raid Rafi Omar Al-Nima, **M. A. M. Abdullah**, and Hikmat N. Abdullah. "Thorough evaluation of TIMIT database speaker identification performance under noise with and without the G. 712 type handset." *International Journal of Speech Technology* 22, no. 3 September, 2019.
3. **M. A. M. Abdullah**, Z. Abdullah, E Tang, G. Gen and J. A. Chambers, " Performance Analysis of Cognitive Clustered M2M Random Networks with Joint User and Machine Device Selection," **IEEE Access**, vol. 7, June. 2019.
4. **M. A. M. Abdullah**, S. S. Dlay, W. L. Woo, and J. A. Chambers, "Robust Iris Segmentation Method Based on a New Active Contour Force With a Noncircular Normalization," **IEEE Transactions on Systems, Man, and Cybernetics: Systems**, vol. 47, no. 12, pp. 3128-3141, Dec. 2017.
5. **M. A. M. Abdullah**, S. S. Dlay, W. L. Woo, and J. A. Chambers, "A Framework for Iris Biometrics Protection: A Marriage Between Watermarking and Visual Cryptography," **IEEE Access**, vol. 4, pp. 10180-10193, 2016.
6. **M. A. M. Abdullah**, S. S. Dlay, W. L. Woo, and J. A. Chambers, "A novel framework for cross-spectral iris matching," **Springer IPSJ Transactions on Computer Vision and Applications**, vol. 8, Nov, 2016.
7. S. A. M. Al-Sumaidae, **M. A. M. Abdullah**, R. R. O. Al-Nima, S. S. Dlay, W. L. Woo, and J. A. Chambers, "Multi-gradient Features and Elongated Quinary Pattern Encoding for Image-based Facial Expression Recognition", **Elsevier Patter Recognition**, Vol. 71, pp. 249-263, Nov., 2017.
8. R. R. O. Al-Nima, **M. A. M. Abdullah**, S. S. Dlay, W. L. Woo, and J. A. Chambers, "Finger Texture Biometric Verification Exploiting a Multi-scale Sobel Angles Local Binary Pattern and Score-based Fusion", **Springer Signal, Image and Video processing**, Vol. 70, pp. 178-189, Nov. 2017.

• Selected Conference papers

1. Sinan Al-kassar, **M. A. M. Abdullah**, Bilal Jebur, Automatic Brain Tumor Segmentation using Fully Convolution Network and Transfer Learning, IEEE ICECCPCE19 conference, April, 2019
2. Zedan, Mohammad JM, Mamoon A. Al-Jbaar, **M. A. M. Abdullah**. "Real-time Environmental Control System for Disability Access under Node-MCU Platform." IOP Conference Series: Materials Science and Engineering. Vol. 518. No. 4. IOP Publishing, 2019.
3. **M. A. M. Abdullah**, Gaojie Chen, Mahmoud Alageli, Aissa Ikhlef, and Jonathon Chambers. "Performance Analysis of Cognitive Clustered Machine-to-Machine Networks with Device Selection." In 2018 IEEE Globecom Workshops (GC Wkshps), pp. 1-5. IEEE, 2018.
4. **M. A. M. Abdullah**, J. A. Chambers, W. L. Woo, and S. S. Dlay, "Iris biometric: Is the near-infrared spectrum always the best?," in *2015 3rd IAPR Asian Conference on Pattern Recognition (ACPR)*, 2015, pp. 816-819.
5. **M. A. M. Abdullah**, S. S. Dlay, and W. L. Woo, "Securing Iris Images with a Robust Watermarking Algorithm based on Discrete Cosine Transform," in *Proceedings of the 10th International Conference on Computer Vision Theory and Applications (VISAPP 2015)*, Berlin, Germany, 2015, pp. 108-114.
6. **M. A. M. Abdullah**, S. S. Dlay, and W. L. Woo, "Fast and Accurate Method for Complete Iris Segmentation with Active Contour and Morphology," in *2014 IEEE International Conference on Imaging Systems and Techniques (IST2014)*, Santorini Island, Greece, 2014, pp. 123 - 128.
7. **M. A. M. Abdullah**, Dlay, S.S. and Woo, W.L., 2014. Fast and accurate pupil isolation based on morphology and active contour. The 4th international conference on Signal, Image processing and Applications, 2014.
8. **M. A. M. Abdullah**, F. H. A. Al-Dulaimi, Waleed Al-Nuaimy, and Ali Al-Ataby. "Smart card with iris recognition for high security access environment." In 2011 1st Middle East Conference on Biomedical Engineering, pp. 382-385. IEEE, 2011.

• Book chapters

1. **M. A. M. Abdullah**, R. R. O. Al-Nima, S. S. Dlay, W. L. Woo, and J. A. Chambers, "Cross-spectral Iris Matching for Surveillance Applications", *Surveillance in Action, Advanced Sciences and Technologies for Security Applications*. Springer, Cham. Jan., 2018.
2. A. Al-Ataby, W. Al-Nuaimy, and **M. A. M. Abdullah**, "Wavelet Transform-Multidisciplinary Applications," in *Wavelet Transforms and Their Recent Applications in Biology and Geoscience*, ed: InTech, 2012, pp. 255-250.