Khaled Daqrouq
Professor, Department of Electrical and Computer Engineering, King Abdulaziz University

Education

Degree	Field of Study	Institution	Year
Ph.D.	Biomedical Engineering	Wroclaw univ. of technology	2001
MS	Biomedical Engineering	Wroclaw univ. of technology	1995
BS	Biomedical Engineering	Wroclaw univ. of technology	1995

Academic Experience

From To	Institution	Rank	Title	Full or Part Time
01/2002 -03/2003	Hashemite univ.	Ass. Prof.	Ass. Prof.	Part-Time
03/2002 -01/2011	Hashemite univ.	Ass. Prof.	Ass. Prof.	Full-Time
01/2011 -091/2011	Hashemite univ.	Associate Prof.	Associate Prof.	Full-Time
09/2017 -Now	King Abdulaziz univ.	Associate Prof.	Associate Prof.	Full-Time
09/2017 -Now	King Abdulaziz univ.	Prof.	Prof.	Full-Time

Non-Academic Experience *(Including Consultations)*

Hypnotherapist and life coach, Educational consultant.

Funded Research Projects and Patents From The Last Five Years

Tens of funded small and big projects

Certifications and Professional Registrations

Current Membership in Professional Societies and Organizations

	Society/Organization	Rank	Since
i.	American Hypnosis Association	Hypnotherapist	2019
ii.	American Union of NLP	Trainer	2020
iii.	International Association of Therapist	Trainer	2019
iv.	Jordanian Engineers Association	Ph.D. in Eng.	2001

Honors and Awards

1. The best paper Gdynia Eng. /1999.
2. The best invention/ Artificial hand/ Jordan/2007
3. Golden medal of the best invention/ ECG arrythmia detector/ Russia/2019

Institutional and Professional Services

1. King Abdulla professional artificial hand project / Jordan/2007.
2. The founding engineer of the Ph.D. program in my recent department
3. Tens of academic communities

Principal Publications/Presentations from the Past Five Years

1. Al-Hmouz, R, Pedrycz, W, Daqrouq, K, Morfeq, A, & ... (2019). Quantifying dynamic time warping distance using probabilistic model in verification of dynamic signatures. *Soft Computing*, Springer
2. Daqrouq, K, Alkhateeb, A, Balamesh, A, & ... (2019). The Effect of 'Why'Statement on Decreasing the Resistance in Engineering Education. *Asian Journal of ...*, journalajess.com
3. Daqrouq, K, & Ajour, MN (2019). The Learning Motivating Strategy for Engineering Education. *Current Journal of Applied Science and ...*, journalcjast.com.
4. Daqrouq, K, Al-Qawasmi, AR, Balamesh, A, & ... (2019). The Use of Arabic Vowels to Model the Pathological Effect of Influenza Disease by Wavelets. *... Methods in Medicine*, hindawi.com
5. Daqrouq, K, Chen, S, Khalaf, E, Morfeqa, A, & ... (2019). Wavelet entropy based probabilistic neural network for classification. Current Journal of ..., eprints.soton.ac.uk.
6. Daqrouq, K, Chen, S, Khalaf, E, Morfeqa, A, & ... 2019, 'Wavelet entropy based probabilistic neural network for classification', *Current Journal of ...*,, eprints.soton.ac.uk
7. Daqrouq, K, & Ajour, M (2018). The use of LPC and wavelet transform for influenza disease modeling. *Entropy*, mdpi.com
8. Daqrouq, K, Ajour, M, Al-Qawasmi, AR, & ... (2018). The discrete wavelet transform based electrocardiographic baseline wander reduction method for better signal diagnosis. *Journal of Medical ...*, ingentaconnect.com
9. Al-Hmouz, A, Daqrouq, K, Al-Hmouz, R, & ... (2017). Feature Reduction Method for Speaker Identification Systems Using Particle Swarm Optimization. *International Journal of ...*, researchgate.net
10. Daqrouq, K, & Dobaie, A (2016). Wavelet Based Method for Congestive Heart Failure Recognition by Three Confirmation Functions. *Computational and mathematical methods in ...*, hindawi.com
11. K. Daqrouq and A. Dobaie, Wavelet Based Method for Congestive Heart Failure Recognition by Three Confirmation Functions, Computational and Mathematical Methods in Medicine, Volume 2016, Article ID 7359516, 11 pages, http://dx.doi.org/10.1155/2016/7359516.
12. Khaled Daqrouq et al.,Off-Line Handwritten Signature Recognition by Wavelet Entropy and Neural Network, Entropy, *Entropy* 2017, *19*(6), 252; doi:10.3390/e19060252.
13. Rami Al-Hmouz, Witold Pedrycz, Khaled Daqrouq, Ali Morfeq, Development of Multimodal Biometric Systems with Three-Way and Fuzzy Set-Based Decision Mechanisms, International Journal of Fuzzy Systems, Feb 2017.
14. **...** , K.Daqrouq, E. Noeth,,Automatic Phonetization-based Statistical Linguistic Study of Standard Arabic, International Journal of Computational Linguistics (IJCL) Volume-7 Issue-1, 2016.
15. JR Orozco-Arroyave, F Hönig, JD Arias-Londoño, JF Vargas-Bonilla, K.Daqrouq, E. Noeth, Automatic detection of Parkinson's disease in running speech spoken in three different languages, The Journal of the Acoustical Society of America 139 (1), 481-500, 2016.
16. K Daqrouq, A Alkhateeb, MN Ajour, A Morfeq, Neural network and wavelet average framing percentage energy for atrial fibrillation classification, Computer methods and programs in biomedicine 113 (3), 919-926, 2014
17. K Daqrouq, TA Tutunji, Speaker identification using vowels features through a combined method of formants, wavelets, and neural network classifiers, Applied Soft Computing 27, 231-239, 2015.
18. JR Orozco-Arroyave, EA Belalcazar-Bolanos, JD Arias-Londoño, K.Daqrouq, E. Noeth, Characterization Methods for the Detection of Multiple Voice Disorders: Neurological, Functional, and Laryngeal Diseases, IEEE journal of biomedical and health informatics 19 (6), 1820-1828
19. K.Daqrouq, M.N. Ajour, A. Balamesh, A. Morfeq, & A.Dobaie, Handwritten Arabic Characters Recognition Based on Wavelet Entropy and Neural Network, British Journal of Applied Science & Technology, 2015.

Recent Professional Development Activities (*Workshops, Trainings etc.*)