

**DR. KHALED O. DAQROUQ***Associate Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Electronics/ Biomed. DSP	Wroclaw Univ. of Tech.	2001
BS/MS	Biomed. Eng./Biomed. DSP	Wroclaw Univ. of Tech.	1995

**Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>(Chair, Full or Coordinator, etc.)</i>	<i>Full or Part Time</i>
2011	Date	King Abdulaziz university	Associate Professor			Full Time
2004	2011	Electronics & Comm. Dept., Philadelphia University, Jordan.	Associate Professor			Full Time
2002	2004	Biomed. Eng. Dept., Hashemite University, Jordan	Assistant Professor			Full Time

**Non Academic Experience** *(including Consultations)*

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position</i>	<i>Description</i>	<i>Full or Part Time</i>
				<i>(Brief)</i>		

**Funded Research Projects and Patents from the Past Five Years**

- Two Grants (HiCi). King Abdulaziz University (2x400,000 SR) (Finished)
- One Grants (HiCi). King Abdulaziz University (300,000 SR) (Running)
- Three Small Grants. King Abdulaziz University (180,000 SR) (Just Started)
- Two Research Groupe Grants. King Abdulaziz University (190,000 SR) (Just Started)
- Strategic Technology Project (NSTIP) "Multimodal Biometric System: a Wavelet and Computational," (1.5 Million SR), Accepted.

**Certifications and Professional Registrations****Current Membership in Professional Societies and Organizations**

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
1. IEEE	Member	

**Honors and Awards**

- Best Project Award: National Technology Parade.
- Best Project Award: Engineers Jordanian Association.

**Institutional and Professional Services** *(administration, committees, units, etc.)*

- Highly Cited and Adjunct Professors Coordinator In KAU.
- Head of Research Track In PUSPC-research Group, (www. Puspc. Com).
- Head of Training Committee In Philadelphia University.
- Head of Projects Committee In Philadelphia University.
- Head of Labs Committee In Philadelphia University.

6. Director of The Medical Site (www. Arabbiomed. Com).
7. Member of Jordanian Education Ministry Technical Training Committee.
8. Member of Jordanian Higher Education Ministry Committee of PhD Dissertations Evaluation and Acceptance.

### **Principal Publications/Presentations from the Past Five Years**

1. Daqrouq, K, Al Azzawi, K. Y., “Arabic Vowels Recognition Based on Wavelet Average Framing Linear Prediction Coding and Neural Network,” Speech Comm., 2013.
2. Daqrouq K., Alkhateeb A., Ajour M. N., Morfeq A., “Neural Network and Wavelet Average Framing Percentage Energy for Atrial Fibrillation Classification,” Comput. Methods Programs Biomed., 2014.
3. X. Hong, S. Chen, A. Qatawneh, K. Daqrouq, M. Sheikh, A. Morfeq: “Sparse Probability Density Function Estimation using the Minimum Integrated Square Error,” Neurocomputing, vol. 115, pp. 122-129, 2013.
4. Khaled Daqrouq, Ali Morfeq, Mohammad Ajour, Abdulhameed Alkhateeb, “Wavelet LPC with Neural Network for Speaker Identification System,” WSEAS TRANSACTIONS on SIGNAL PROCESSING, vol. 9, no. 4, Oct. 2013.
5. Alaa M. Alturki, Abdulaziz M. Al-Ghamdi, Khaled Daqrouq and Rami Al-Hmouz, “Application of ECG Arrhythmia Classification By Means of Bayesian Theorem,” Journal of Applied Sciences, no. 14, pp. 165-170, 2014.
6. K. Daqrouq, M. Alfaouri, A. Alkhateeb, E. Khalaf, A. Morfeq, “Wavelet LPC with Neural Network for Spoken Arabic Digits Recognition System,” British Journal of Applied Science and Technology, vol. 4, no. 8, pp. 1238-1255, 2014.
7. Emad F. Khalaf, Khaled Daqrouq, Ali Morfeq, “Arabic Vowels Recognition By Modular Arithmetic and Wavelets using Neural Network,” Life Sci J, vol. 11, no. 3, pp. 33-41, 2014.
8. T. Nowozin, D. Bimberg, K. Daqrouq, M. N. Ajour and M. Awedh, “Materials for Future Quantum Dot-Based Memories, Journal of Nanomaterials,” vol. 2013, Article ID 215613, 2013.
9. Tobias Nowozin, Michael Narodovitch, Leo Bonato, Dieter Bimberg, Mohammed N. Ajour, Khaled Daqrouq, and Abdullah Balamash, “Room-Temperature Hysteresis in a Hole-Based Quantum Dot Memory Structure,” Journal of Nanotechnology, vol. 2013, Article ID 797964, 2013.
10. T. Nowozin, A. Wiengarten, L. Bonato, D. Bimberg, Wei-Hsun Lin, Shih-Yen Lin, M. N. Ajour, K. Daqrouq, and A. S. Balamesh, “Electronic Properties and Density of States of Self-Assembled GaSb/GaAs Quantum Dots,” Journal of Nanotechnology, Volume 2013, Article ID 302647, 2013.

*\*Plus many other journal and conference papers since 2009.*

### **Recent Professional Development Activities** (*Workshops, training, etc.*)

1. I Have Provided Many Lectures In “Wavelet Transform Theory.”
2. I Have Provided Many Seminars In “from FFT To Wavelet Transform Theory.”