DR. EMAD F. KHALAF
Assistant Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University

Education

Degree	Field of Study	Institution	Year
PhD	Computer networks	Information Technology and Management	2002
MS	Information Technology Engineering	Information Technology and Management	1992

Academic Experience

From	To	Institution	Rank	Title (Chair, Coordinator, etc.)	Full or Part Time
2003	2012	Dept. Of Computer Engineering, Philadelphia University, Jordan	Assistant Professor	Lecturer & Coordinator	Full Time
2012	Date	Dept. Of Electrical and Computer Engineering, KAU	Assistant Professor	Lecturer & Coordinator	Full Time

Non Academic Experience *(including Consultations)*

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

Funded Research Projects and Patents from the Past Five Years

1. M. Sherif El Sayed, E. Khalaf, et al, "Biometric and IT Security Solutions," Queen Rania National Entrepreneurship Competition, 1/2/2007 To 1/7/2007, Funded By Philadelphia University and King Abdullah II Design & Development Bureau KADDB-Scientific Research Department – SRD.
2. E. Khalaf, M. Sherif El Sayed. "Design and Implementation of An Email Security System using a New Proposed Galois Field Technique," (2007-2010), Funded By King Abdullah II Design and Development Bureau KADDB-Applied Research Program Department – ARPD.
3. Two Grants (HiCi-projects), King Abdulaziz University, 2014 (2x300,000 SR) (running).
4. One Research Group Grant, King Abdulaziz University, 2014 (180,000 SR) (running)
5. One General Project, Small Grant, King Abdulaziz University, 2014 (60,000 SR) (running).

Certifications and Professional Registrations

Current Membership in Professional Societies and Organizations

Society/Organization	Rank	Member Since

Honors and Awards

1. Best Project Award: National Technology Parade 2011/2012, Jordan.
2. Certificate of Achievement From Philadelphia University 2006/2007.
3. Certificate of Merit From Jordan Engineers Association (JEA) 2006/2007.
4. First-Top-10-List of Queen Rania National Entrepreneurship Competition, 1/2/2007 To 1/7/2007

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

1. Member of Core Curriculum Committee (CCC), Faculty of Engineering, KAU (2012-2013).
2. Member of Projects Committee, Department of Electrical and Computer Engineering, KAU (2012-2013).
3. Member of Research Group In PUSPC-research Group, (www. Puspc. Com).
4. Member of Lecturer, Engineers, and Technicians Selection Committee for Employing In Philadelphia University.
5. Participated In The Following Committees In Philadelphia University: (Training Committee, Projects Committee, Examination Committee, Students Discipline Committee, Web Site Committee) (2003 – 2012)

Principal Publications/Presentations from the Past Five Years

1. Emad Khalaf, K. Daqrouq, M. Sherif, "Wavelet Packet and Percent of Energy Distribution with Neural Networks Based Gender Identification System," JOURNAL of APPLIED SCIENCES, 11 (16): 2940-2946, 2011.
2. Emad Khalaf, K. Daqrouq, M. Sherif, "Modular Arithmetic and Wavelets for Speaker Verification," JOURNAL of APPLIED SCIENCES 11 (15): 2782-2790, 2011.
3. Khaled Daqrouq, Ibrahim Abu Sbeih, Omer Daoud, Emad Khalaf, "An Investigation of Speech Enhancement using Wavelet Filtering Method," International Journal of Speech Technology (Springer), 2010, Volume 13, Number 2, Pages 101-115, 2010.
4. K. Daqrouq, Emad Khalaf, A. Al-Qawasmi, and T. Abu Hilal, "Wavelet formants Speaker Identification Based System Via Neural Network," International Journal of Recent Trends In Engineering vol. 2, no. 1, Nov 2009.
5. Mikhled Alfauori, Khaled Daqrouq, Ibrahim Abu Sbeih, Emad Khalaf, Abd Al-Rahman Al-Qawasmi, Wael Al-Sawalmeh "Quality Evaluation of Reconstructed Biological Signals," American Journal of Applied Sciences, 6 (1) : 187-193, 2009.
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 4 (8) : 1238-1255, 2014.
7. Emad F. Khalaf, Khaled Daqrouq, Ali Morfeq, "Arabic Vowels Recognition By Modular Arithmetic and Wavelets using Neural Network," Life Science Journal, vol. 11, no. 3, P. 33-41, 2014.
8. K. Daqrouq, Emad Khalaf, O. Daoud, and A. Al-Qawasmi, "K-means Clustering Algorithm for Wavelet Transform Speaker Identification System," Advanced Signal MIC-CSC2009, 16-19 Dec. 2009.

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