

## CURRICULUM VITAE

**1. Name: Jamal Fathi Abu Hasnah**

**2. Date of Birth: 19/11/1964**

**3. Degrees:**

<b>Degree</b>	<b>Field</b>	<b>Institution</b>	<b>Date</b>
B.Eng. (Hons)	Electrical & Electronics	Near East University	1997
M.Sc.	Electrical & Electronics	Near East University	1999
Ph.D.	Computer Engineering	Near East University	2013

**4. Years of Service on Faculty: 1999 till now**

**5. Master / Ph.D. Theses Supervision: Prof. Dr. Fakhraddin Sadikoglu/ Prof. Dr. Dogan Ibrahim finished and waiting the Presentation**

**6.1 Master Thesis- Completed: 1999**

**6.2 Ph.D. Thesis- Completed:**

**7. Publications:**

**Articles published in SCI and SCI-expanded Journals (2 papers are published in SCI journals in 2011, and 2013)**

1. [Sameer M Ikhdair, Jamal Abu-Hasna](http://www.worldscientific.com/doi/abs/10.1142/S0217732395001733). (2011) Quantization rule solution to the Hulthén potential in arbitrary dimension with a new approximate scheme for the centrifugal term. *Physica Scripta* **83**, 025002. . Online publication date: 1-Feb-2011. Read More: <http://www.worldscientific.com/doi/abs/10.1142/S0217732395001733>  
Sameer M Ikhdair and Jamal Abu-Hasna 2011 *Phys. Scr.* 83 025002. doi:10.1088/0031-8949/83/02/025002 Received 13 July 2010, accepted for publication 6 December 2010. Published 14 January 2011.  
2011 The Royal Swedish Academy of Sciences
2. Dogan Ibrahim and Jamal F. Abu Hasna. (2013). Teaching PID Auto-Tuning Using a Low-Cost Control Kit. *The International Journal of Engineering Education*. Vol. 29. No.1. pp 239-247.

## **7.2 International Symposiums and Conferences (2014, 2015):**

1. Ziad Nosire, Julius Dichter, and Jamal Fathi. (2014). A New Algorithm to Enhance Radio Wave Propagation Strength in Dead Spots for Cellular Mobile WiFi Downloads. 978-1-457-1343-9/12/\$26.0 ©2014 IEEE.
2. Qassim Bani Hani, Julius Dichter, and Jamal Fathi. (2014). Handover Time Delay Reduction and Its Effects in Cloud Computing Communications and Network. *Communications and Network*, 2014, 6, 243-256. Published Online November 2014 in SciRes. <http://www.scirp.org/journal/cn>. <http://dx.doi.org/10.4236/cn.2014.64026>.
3. Jamal Fathi Abu Hasna. (2014). Pupil Position Detection with Eyeglasses Using SVM and Denoising Using Inverse Filter. *International Journal of Emerging Technology and Advanced Engineering* Website: [www.ijetae.com](http://www.ijetae.com) (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 4, Issue 5).
4. Ziad Nosire, Julius Dichter, and Jamal Fathi. (2015). A New Selected Points to Enhance Radio Wave Propagation Strength Outside the Coverage Area of the Mobile Towers in the Dead Spots for Cellular Mobile WiFi Downloads. 978-1-457-1343-9/12/\$26.0 ©2015 IEEE.
5. Jamal Fathi. (2015). The Existence of the Liquid Area on the Cornea for Glaucoma Determination Using 3D-Haar Filter. *Computer Science. Systems Biology. J Comput Sci Syst Biol*. ISSN: 0974-7230 JCSB, an open access journal. Vol. 8, pp. 327-332.

## **International Symposiums and Conferences (2005-2010):**

1. F. Sadikoglu, and J. F. Abu Hasna. (2005). Time-Series Predictions using Combinations of Wavelets and Neural Networks. *International Workshop on Applications of Wavelets to Real World Problems*, 17-18 July. Istanbul Commerce.
2. Fakhreddin Mamedov, and Jamal Fathi Abu Hasna. (2006). Character Recognition using Neural Network. *International Conference on Artificial Intelligence - IC-AI*, pp. 728-733.
3. Jamal Fathi Abu Hasna. (2006). Signature Recognition using Conjugate Gradient Neural Networks. *Joint Conference on Information Sciences*. 10.2991/jcis.2006.271.
4. Jamal Fathi Abu Hasna. (2006). Signature Recognition Using Conjugate Gradient Neural Networks. *Joint Conference on Information Sciences. Advances in Intelligent Systems Research. JCIS-2006 Proceedings*. ISBN. 978-90-78677-01-7. ISSN. 1951-6851.
5. Jamal fathi, Prof. Dr. Fakhreddin Mamedov. (2006). Character Recognition System using Neural Networks, ICA5025, ICAI'06: June 26-29, Las Vegas, USA, Academic Co-Sponsors and accepted in The Massachusetts Institute of Technology's (MIT) Media Lab and Texas Advanced Computer Center of University of Texas at Austin. [hra@cs.uga.edu](mailto:hra@cs.uga.edu).
6. Jamal Fathi Abu Hasna. (2008). Signature Recognition Using Conjugate Gradient Neural Networks. *World Academy of Science, Engineering and Technology. International Science Index* Vol: 2, No: 8, 2008 [waset.org/Publication/765](http://waset.org/Publication/765).
7. Jamal Fathi Abu Hasna. (2009). Estimating Coverage of Radio Transmission into and within Buildings for Line of sight visibility between two points in terrain by Linear Prediction Filter. *Third Mosharaka International Conference on Communications, Signals and Coding, MIC-CSC*, pp. 1-5.
8. Jamal Fathi Abu Hasna. (2010). Estimating Coverage of Radio Transmission into and within Buildings for Line of sight visibility between two points in terrain by Linear Prediction Filter. *Electrical & Electronics Engineering Department, Near East University, Cyprus, Turkey via Mersin-10, KKTC*. <https://www.scribd.com/jamalfathi2004>.

9. Jamal Fathi Abu Hasna. (2010). Car Plate Recognition by Neural Networks and Image Processing Using Integration of Wavelets. Electrical & Electronics Engineering Department, Near East University, Cyprus, Turkey via Mersin-10, KKTC. <https://www.scribd.com/jamalfathi2004>.

### 7.3 Books and Book Chapters:

Automatic Control Lab Manual. Near East University.

### 8. Projects:

So many Graduation (Final) Projects Supervised in both departments (Computer & Electrical & Electronic Departments)

Electrical & Electronic Engineering Department	Computer Engineering Department
1. Adaptive Filter (Echo Suppressor and Echo Cancellers)	1. Transmission of Digital Data Interfaces and Modems
2. Adaptive Filters LMS Algorithm	2. Data Communication
3. SIM Card	3. Fuzzy Control System
4. Error Detection and Correction	4. Wide Area Networks
5. Cell Planning	5. Performance Analysis of Data Compression Algorithm
6. Polarization Measurements in Antenna	6. Error Detection and Correction System in Data Communication
7. GSM 1800 Personal Communication Network	7. Computer Networks
8. Digital Satellite Communication System	8. Local Area Networks
9. Mobile Communication System using Siemens 1800	9. Mouse Design and Control
10. Code Division Multiple Access (CDMA)	10. Communication b/w Mobile and Computers
11. Designing of FIR Filters using MATLAB Techniques	11. Fiber Optic
12. How Cell Phone Works	12. Wide LANS
13. Cellular Hardware	13. Wireless LANS
14. Satellite Communication	14. Microcontroller applications (Smart Blinds)
15. Mobile Communication using Siemens D900	15. Microcontroller applications (Smart Cards)
16. Designing of IIR Filters using MATLAB Techniques	16. Character Recognition using Neural Networks
17. Cell Planning and Radio Interface in GSM	17. Multiresolution Prediction using a Combination of Wavelet and Neural Network
18. Phase Locked Loop: Theory & Application	18. Multirate Digital Signal Processing
19. GSM Networks	19. Bluetooth Effects on Human
20. Application in Adaptive Filtering	20. Interfacing Between Bluetooth and PCs
21. Wireless Networking	21. Network Security
22. Fiber Optic Communication System	22. Voice over IP
23. GSM BSC Operation	23. Voice Transmission Through Bluetooth
24. Adaptive Echo Cancellation	24. Pattern Recognition using Neural Network
25. Air Traffic Control	25. WCDMA
26. Mobile Phone and Its Causes to Human Health	26. Wireless ATM
27. Phase Modulation and Convolutional Codes	
28. GSM Security	
29. Everywhere Messaging	
30. Base Stations	

## 9. Administrative Posts:

## 10. Citations:

## 11. Scientific and Professional Society Membership:

1. Editor in International Journal of Management and Humanities. ISSN: 2394-0913.
2. Editor in Blue Eye Intelligence Engineering & Sciences Publication PVT Ltd. Since 2014.
3. Editor in Journal of Computer Science & Systems Biology, USA, 2015.
4. Co-Supervisor for two PHD students in the University of Bridgeport. USA.
5. Coordinator of Biomedical Equipment Technology Department at Near East University since 2013 till now.

## 12. Courses Taught During the Last Two Semesters:

Academic Year	Semester	Course Name		Weekly taught hours		Number of Students
				Theory	Lab	
2013/2014	Fall	RT 221	Biyomedikal Cihaz Teknolojisi	2		47
		BME 101	G. Physics	3		6
		BME 103	Devre Analizi	3		6
		COM 322	Data Communication and Networking	3	1	18
	Spring	BMT102	Elektronik 1	2	0	6
		BMT104	Tıbbi Cihaz Teknolojisi 1	3	3	6
		BMT 106	Ölçme Laboratuvarı	1	3	6
		BMT 108	Elektronik malat Teknolojisi	1	3	6
		BMT 110	Dijital Elektronik	3	3	6
		BMT 112	Bilgisayar Programlama	2	2	6

2014/2015	Fall	BME 101	G. Physics	3		1
		BME 103	Devre Analizi	3		1
		BMT 201	Elektronik 2	3	2	6
		BMT 203	Mikroi lemciler	3	2	6
		BMT 205	Elektromekanik	3	1	6
		BMT 207	Onarım Tekni i	2	4	6
		BMT 209	Tıbbi Cihaz Teknolojisi 2	3	3	6
		BMT 211	Defibrilatör Cihazlari	3		6
		BMT 200	Staj			6
						6

<b>2015</b>	<b>Spring</b>	BMT 102	Elektronik 1	2	0	2
		BME 104	Tıbbi Cihaz Teknolojisi 1	3	3	4
		BMT 106	Ölçme Laboratuvarı	1	3	2
		BMT 108	Elektronik malat Teknolojisi	1	3	2
		BMT 110	Dijital Elektronik	3	3	4
		BMT 112	Bilgisayar Programlama	2	2	3
		BMT 202	Tıbbi Cihaz Bakım İletme	3	0	3
		BMT 204	Mikrodenetleyici Uygulamalar	2	2	3
		BMT 206	Görüntüleme Teknolojisi	3	2	4
		BMT 208	Bitirme Projesi	0	6	3
		<b>BME 101</b>	<b>G. Physics</b>	3		1
		<b>BME 103</b>	<b>Devre Analizi</b>	3		1
		<b>BMT 201</b>	<b>Elektronik 2</b>	3	2	6
		<b>BMT 203</b>	<b>Mikroi lemciler</b>	3	2	6
		<b>BMT 205</b>	<b>Elektromekanik</b>	3	1	6
		<b>BMT 207</b>	<b>Onarım Tekni i</b>	2	4	6
		<b>BMT 209</b>	<b>Tıbbi Cihaz Teknolojisi 2</b>	3	3	6
		<b>BMT 211</b>	<b>Defibrilatör Cihazlari</b>	3		6
		<b>BMT 200</b>	<b>Staj</b>			6
						6

<b>2015-2016</b>	<b>Fall</b>	<b>BME 101</b>	<b>G. Physics</b>	3		11
		<b>BME 103</b>	<b>Devre Analizi</b>	3		11
		<b>BMT 201</b>	<b>Elektronik 2</b>	3	2	1
		<b>BMT 203</b>	<b>Mikroi lemciler</b>	3	2	1
		<b>BMT 205</b>	<b>Elektromekanik</b>	3	1	1
		<b>BMT 211</b>	<b>Defibrilatör Cihazlari</b>	3		6
		<b>BMT 200</b>	<b>Staj</b>			6
		<b>BMT 211</b>	<b>Defibrilatör Cihazlari</b>	3		6