MOHAMED ABDELRAHEEM Ph.D.

	Mohamed Medhat Tawfik AbdelRaheem
	Born in EGYPT,1982
email	m.abdelraheem@aun.edu.eg · mohmedht@vt.e
phone	(M) +201092851700
ORK EXPERIENC	CE
2016–Present Assiut Univer	Assistant Professor, Faculty of Engineering, sity, Assiut, EGYPT
	nd undergraduate courses in the field of electrical engineeri c research in the field of wireless communication.
2011–2016	Instructor/GTA, VIRGINIA TECH. Virginia, USA
communication s Computer Syster Graduate Teachin Systems (Spring	od I taught two courses ECE 3614 Introduction to systems (Summer 2015) and ECE 4500 Fundamental of ns (Fall 2015) . ng Assistant GTA for ECE 4500 Fundamental of Comptuter 2015). Before that, I was Graduate Research Assistant (GRA gyptian government through VTMENA program.
	Demonstrator/Assistant lecture , Assiut
2007–2011	Demonstrator, Assistant recture, Assion
	Assiut, EGYPT
UNIVERSITY, A	
UNIVERSITY, A In this job, I par undergraduate co	Assiut, EGYPT ticipated in teaching different electrical engineering

EDUCATION

Assiut University

Virginia Tech.

Assiut University

Rayatelecom

	2011-2015 Virginia Tech.
Doctor of Philosophy (Ph.D.)	GPA: 3.7 · Electrical Engineering (Wireless Networks) Dissertation: Spectrum-efficient Cooperation and Bargaining-based Resource Allocation for Secondary Users in Cognitive Radio Networks Advisors: Prof. Scott MIDKIFF & Assoc. Prof. Mustafa ElNAINAY
	2014-2015 Virginia Tech.
Graduate Certificate	GPA: 4 \cdot Future Professoriate Graduate Certificate. Description: A 12 credit hours graduate certificate aims to prepare the future faculty and academic leaders by exposure to concepts that break the mold of existing practices in higher education.
	. 2007-2010 Assiut University
Master of Science (M.Sc.)	GPA: 3.8 · Electrical Engineering (Communication) Thesis: Human Identification using Electrocardiograph Signal . Advisors: Prof. Hany Selim & Assoc. Prof. Tarik Abdelhamid
	1999-2004 Assiut University
Bachelor of Science (B.Sc.)	Very Good with honor degree (Ranked 3^{rd}), <i>Electrical Engineering</i> (<i>Communication and Electronics</i>).

	Ref: Google Scholar Profile
Journal Publications	• M. AbdelRaheem , M. Abdel-Rahman, M. El-Nainay, and S. F. Midkiff Spectrum efficient Resource Allocation Framework for Cooperative Opportunistic Wireless Networks" submitted to IEEE Transaction on Cognitive Communication and Networking.
Conformação	• M. AbdelRaheem , H. Selim , and T. Abdelhamid <i>Human Identification Using the Main Loop of the Vectorcardiogram</i> " American Journal of Signal Processing 2012, 2(2): 23-29,2012
Conference Publications	• M. AbdelRaheem , M El-Nainay <i>An analytical study of the Primary user activity pattern effect on the performance of cooperative opportunistic networks</i> " Submitted to ICNC 2017.
	• M. J. Abdel-Rahman, M. AbdelRaheem , A. B. MacKenzie, K. Cardoso, and M. Krunz, <i>On the orchestration of robust virtual LTE-U networks from hybrid half/full-duplex Wi-Fi APs</i> , in Proceedings of the IEEE WCNC Conference 2016.
	• M. J. Abdel-Rahman, M. AbdelRaheem , and A. B. MacKenzie, <i>Stochastic</i> resource allocation in opportunistic <i>LTE-A</i> networks with heterogeneous self-interference cancellation capabilities, in Proceedings of the IEEE DySPAN Conference, 2015, pp. 200-208
	• M. AbdelRaheem , M El-Nainay, S F Midkiff <i>Analytical and Simulation Study of</i> <i>the Effect of Secondary User Cooperation on Cognitive Radio Networks</i> " in Proceedings of the IEEE WCNC Conference 2015
	• M. AbdelRaheem , M El-Nainay, S F Midkiff <i>Spectrum Occupancy Analysis of</i> <i>Cooperative Relaying Technique for Cognitive Radio Networks</i> " in Proceedings of the ICNC Conference 2015
	• M. AbdelRaheem , Mahi O Helmi <i>Digital Modulation Classification through time</i> <i>and frequency domain features using Neural Networks</i> " in Proceedings of the IX International Symposium on Telecommunications (BIHTEL), 2012
	• M. AbdelRaheem, H. Selim, and T. Abdelhamid <i>"Human identification using main loop of the VCG contour,"</i> in Proceeding of 8th ECTI-CON Conference 2011, pp. 1011-1014.
	• M. AbdelRaheem , H. Selim , and T. Abdelhamid <i>"Human identification using time normalized QT signal and the QRS complex of the ECG,"</i> in Proceeding of CSNDSP Conference 2010, pp. 755-759.
	• M. AbdelRaheem , H. Selim , and T. Abdelhamid <i>"Human identification using ECG Signal,"</i> in Proceeding of the 27 <i>th</i> national radio science conference (NRSC) 2010.
	FUNDED PROJECTS
	2008-2009 Human Identification Using ECG Signal
ITIDA Fellowship, Role: PI	INFORMATION TECHNOLOGY INDUSTRY DEVELOPING AGENCY (ITIDA) FELLOWSHIP. ITIDA sponsored my M.Sc research with total fund of 73K LE. Ref: ITIDA Website
	2008-2010 Universal Ethernet/WIFI Enabled RFID read/write transceiver
ITIDA PDP, Role: Researcher	ITIDA PRODUCT DEVELOPMENT PROJECT (PDP). Design a prototype RFID readers for hotels and metro applications with Ethernet and Wireless capabilities.

ENTREPRENEURSHIP

UE-Systems	Co-Founder of UE-Systems a leading software company located in Assiut. The company was founded through ITIDA Technology Innovation and Entrepreneurship Center (TIEC) incubation program and listed as one of its most successful stories. Ref: TIEC Website
Assiut University	TRAINING, CERTIFICATES AND SKILLS
	• FLDP: Attended 12 different workshops through Assiut university Faculty and Leadership Development Program (FLDP). These workshops cover different fields in research, teaching and management in academia.
	• Preparing The University Lecture: Attended a one week intensive training mandatory by the university including the new directions in teaching and exam preparation.
ITIDA	TIEC Entrepreneurs Preparing Training: A three weeks intensive training for TIEC incubation program including Project management, Financial management, Sales and Marketing skills and Knowledge management workshops.
DAAD	DAAD Summer School in Mobile Communication: A Two weeks summer school introduces graduate students in future research topics in Mobile communication area. The school was held in the Ilmenau university of technology (a.k.a) TU Ilmenau, GERMANY
Certificates	
	National Instruments (NI) Certified LabVIEW Associate Developer (CLAD)
	Cisco Certified Network Associate (CCNA)
Computer Skills	
	• Matlab
	IBM CPLEX (Optimization tool)
	OPNET (Discrete event network simulator)
	• C/C++

• MS office

August 14, 2016