Aqiel Almamori
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azalmamori@ualr.edu,

EDUCATION _____

1996 - 1999	Al-Nahrain University, BSC
	Major: Electronic and communications engineering
Baghdad, Iraq	

1999 - 2002	Al-Nahrain University, MSC
	Major: Modern communications engineering
	Thesis: Adaptive Filtering based on the Wavelet Transform
Baghdad, Iraq	Advisor: Dr. Manal Al-Kindi

2014 - 2018	University of Arkansas at Little Rock, PhD
	Major: Telecommunications and Networking Engineering
	Dissertation: Enhancing Spectral Utilization of 5G with
	Massive MIMO through Pilot Assignment and CSI Estimation
Little Rock, AR, USA	Advisor: Prof. Seshadri Mohan

ACADEMIC EXPERIENCE _____

August 2003 -March 2013	Assistant Lecturer at college of engineering, electronics and communication department, university of Baghdad.
	teaching duties:
	  Digital Signal Processing fourth class.
	  Electronic Communications, forth class.
	  Communications, Second class.
	  Computer Aided Design, Third class

May 2013	Lecturer

Jan 2019 - present	Lecturer at college of engineering, electronics and communication department, university of Baghdad.
	Currently teaching duties:
	  Digital Signal Processing fourth class.
	  Elementary Electrical Circuit analysis first Class.
	  Computer Aided Design Third class
	  Digital Image Processing graduate class.
	Other duties: Examination committee member.

13-11-2020   HEAD OF ELECRONICS AND COMMUNICATIONS DEPT./COLLEGE OF
                 ENGINEERING / UNIVERSITY OF BAGHDAD

PRACTICAL EXPERIENCE

2005 - 2010   Radio Frequency engineer at Motorola Solutions in Iraq Zain Project.

2010- April 2013   Radio Frequency Optimization team leader at Nokia Siemens company,
Iraq

PUBLICATIONS

1- A. Almamori and S. Mohan, "A spectrally efficient algorithm for massive MIMO for
mitigating pilot contamination," 2017 IEEE 38th Sarnoff Symposium, Newark, NJ, 2017,
pp. 1-5.

2- A. Almamori and S. Mohan, "Estimation of channel state information for massive MIMO
based on received data using Kalman filter," 2018 IEEE 8th Annual Computing and
Communication Workshop and Conference (CCWC), Las Vegas, NV, 2018, pp. 665-669.

3- A. Almamori and S. Mohan, "Improved MMSE channel estimation in massive MIMO system
with a method for the prediction of channel correlation matrix," 2018 IEEE 8th Annual
Computing and Communication Workshop and Conference (CCWC), Las Vegas, NV, 2018, pp.
670-672.
4- Almamori, Aqiel & Mohammed, Husam. (2012). Performance evaluation and comparison
between LDPC and Turbo coded MC-CDMA.

5- Almamori, Aqiel & Mohammed, Husam. (2012). Performance Evaluation and Comparison
Between LDPC and Turbo Coded MC-CDMA. The Journal of Engineering. 18. 433-443.

6- Almamori, A., Mohan, S. Estimation of Channel State Information (CSI) in Cell-Free Massive
MIMO Based on Time of Arrival (ToA). Springer, Wireless Pers Commun 114, 1825–1831 (2020).

7- A proposed Turbo coded wavelet packet modulation-based MC-CDMA
AN Almaamory, International Journal of Computer Applications 70 (6)

8- CHAPTER 9: Cellular System Driving IoT . "Internet of Things and Big Data Analysis:
Recent Trends and Challenges"
Ali Al-Sabbagh, Ruaa Alsabah and Aqiel Almamori
Florida Institute of Technology, USA and University of Arkansas Little Rock, USA

RESEARCH INTERESTS

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Digital Signal Processing, Digital Communications, Mobile Networks