Dr. : Rokaia Mounir Zaki Emam

1.   Personal data

Name (Arabic)	رقية منير زكى امام
Name (English)	Rokaia Mounir Zaki Emam
Department	Electrical Engineering – "Electronics & Communications"
College	Faculty of Engineering–Shoubra
Academic degree	Lecturer
Office Address	108 Shoubra St. - Cairo.
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Fax	+20 2 22023336
Email (university)	**rukaia.emam@feng.bu.edu.eg**
Email (alternative)	**roky2future@yahoo.com**
Web site (if any)	
Recent Photo (passport format)	

2.   Education

Institution	Degree obtained	Year
Faculty of Engineering – Zagazig University	B.SC.	2000
Faculty of Engineering – Benha University	M.SC.	2007
Faculty of Engineering – Benha University	PhD.	2012

General specialty	Electrical Engineering
Specific specialty	Communications Engineering

Language skills (Excellent, Very Good, Good, Basic)

Language	Reading	Speaking	Writing
Arabic	Excellent	Excellent	Excellent
English	Excellent	Good	Very Good

3.   Cooperation with local and international entities having website

(جامعة – مؤسسة - وزارة - مركز بحثي – عضو هيئة تدريس - باحث – شركة - مصنع – الخ)

Name of local and international entity	website
1. Benha University	**www.benha-univ.edu.eg**

4.   Academic

4.1. Teaching

4.1.1. Courses at under graduate level

1. Electronic Circuits (A) – 3rd year communication (first term).

2. Mobile Communications – 4th year communication (first term).

3. Electronic Circuits (B) – 3rd year communication (second term).

4. Signal Analysis – 2nd year communication (second term).

4.1.2. Courses at post graduate level

Digital Communication system

Areas of research

- **MOBILE COMMUNICATION.**

4.2. PhD/MSc Supervision

Title	PhD/MSc	Year completed / in progress
The Evaluation of Mobile Communication through General Packet Radio Services (GPRS)	MSC	2007
Multimedia Transmission over 4G Mobile Networks	PhD	2012

4.3. List of Publications

1) Nawal A. El_Fishawy, Hala A.K. Mansour, and Rokaia M. Zaki , "Proposed Algorithms for Multimedia Transmission over GPRS (General Packet Radio Service)", Third International Computer Engineering Conference, Cairo University, December 26-27, 2007, ICENCO 2007 "Smart Applications for the Information Society"

2) MohsenM. Tantawy , Adly S. Tag Eldien , and Rokaia Mounir Zaki, "QoS – Based Resource Allocation Algorithm for Long Term Evolution (LTE) System," Journal of Engineering Sciences (JES), University of ASSIUT, EGYPT, Vol. 39, No. 5, November 2011.

3) Mohsen M. Tantawy , Adly S. Tag Eldien , and Rokaia Mounir Zaki, "A Novel Cross-Layer Scheduling Algorithm for Long Term-Evolution (LTE) Wireless System," Canadian Journal on Multimedia and Wireless Networks, Vol. 2, No. 4, December 2011. http://www.ampublisher.com.

4) Mohsen M. Tantawy , Adly S. Tag Eldien , and Rokaia Mounir Zaki, "Proposed QoS-Guarantee Cross-Layer Algorithm over MIMO-LTE Downlink System," 31st National Radio Science Conference (NRSC2014), Faculty of Engineering, Ain Shams University, Egypt. April 2014.

5) Heba A.Tag El-Dien, Rokaia M. Zaki, Mohsen M. Tantawy, Hala M. Abdel-Kader, "Noise Uncertainty Effect on a Modified Two-Stage Spectrum Sensing Technique" Indonesian Journal of Electrical Engineering and Computer Science, Vol. 1, No. 2, February 2016, pp. 341 ~ 348 Q3

6) Heba A.Tag El-Dien, Rokaia M. Zaki, "Impact of Harvesting and Scanning Powers on Secondary User Utility in Spectrum Leasing Cognitive Radio Networks" 34th National Radio Science Conference (NRSC 2017), March, 2017, Port Said, Egypt

7) Hagar.A.Ali, Rokaia M. Zaki, Mohsen M. Tantawy, " Overlapping Factor Effect on the Prototype Filter Response Proposed For FBMC Transmultiplexer System" , 14th International Computer Engineering Conference, Cairo, Egypt, December 29-30, 2018, ICENCO 2018 "Secure Smart Societies"

8) Hagar Ahmed Ali, Rokaia Mounir Zaki, " The Effect of MIRBBASI-MARTIN Filter on the Performance of Filter Bank Multicarrier Transmultiplexer System", American Journal of Information Science and Computer Engineering (AIS), Vol. 5, No. 1, 2019, pp. 1-7.   http://www.aiscience.org/journal/ajisce
ISSN: 2381-7488 (Print); ISSN: 2381-7496 (Online)

9) EL-SAYED M. EL-KENAWY, SEYEDALI MIRJALILI, ABDELHAMEED IBRAHIM, MOHAMMED ALRAHMAWY, M. EL-SAID, ROKAIA M. ZAKI, AND MARWA METWALLY EID, "Advanced Meta-Heuristics, Convolutional Neural Networks, and Feature Selectors for Efficient COVID-19 X-Ray Chest Image Classification", IEEE Access, Feb. 2021.Volume 9, PP 36019- 36037. 2021   Q1

DOI : 10.1109/ACCESS.2021.3061058

https://ieeexplore.ieee.org/document/9360538

4.4. Attended Workshops, Symposiums, and Conferences

Name of Workshops, Symposiums, and Conferences	Year
31st National Radio Science Conference (NRSC2014),	**2014**

5. Positions

	Date From - to	Organization	Country	Position	Role
1	2000 - 2007	Faculty of Engineering – Benha University	Egypt	Demonstrator	
2	2007 – 2012	Faculty of Engineering – Benha University	Egypt	Assistant Lecturer	
3	2012-UP TO NOW	Faculty of Engineering – Benha University	Egypt	Lecturer	

6. Activities in faculty/university/community service

Name of Activity service	Year
Member in Quality system	**2012 up to now**