

Curriculum Vitae

Rania Hamdy Mohamed Mosbh Elabd

Electronics and Communication Engineering Department,

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Personal

Full Name: Rania Hamdy Mohamed Mohamed Mosbh Elabd
Sex: Female
Title: A. Professor
Nationality: Egyptian
Date of Birth: April 1, 1987
Place of birth: New Damietta, 3rd quarter, neighboring 14
Marital Status: Married

Education

- ✓ Ph.D. In Electronics and Communication Engineering, Mansoura University, Mansoura, Egypt, 2020.
- ✓ M.Sc. In Electronics and Communication Engineering, Mansoura University, Mansoura, Egypt, March 2013.
- ✓ B.Sc. in Electronics and Communication Engineering, Mansoura University, Mansoura, Egypt, May 2008.

Academic Records

- Teaching assistant, Higher Institute of Engineering and Technology in New Damietta, from March 2013 till 2020, full time.
- Demonstrator, Higher Institute of Engineering and Technology in New Damietta, from 2008 till February 2013, full time.

Other Activities, Community service and Environmental Development

1. Lecturer, Faculty of Engineering Mansoura University (virtual labs) in the scientific courses in this specialization is eligible to join the labor market.

Research Activities

- ✓ MIMO communication system.
- ✓ Matlab programing.
- ✓ Antenna designs.
- ✓ CST.

Publications

a) Research Articles

- [1] Mohamed. A. Mohamed, Fayez.W. Zaki and Rania.H.Mosbah," Improving Quality of VoIP over WiMAX ", IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 3, No 3, May 2012, ISSN (Online): 1694-0814.
- [2] M.A. Mohamed, F.W. Zaki, R.H. Mosbeh," Simulation of WiMAX Physical Layer: IEEE 802.16e ", IJCSNS International Journal of Computer Science and Network Security, VOL.10 No.11, November 2010.
- [3] R. H. El-abd, H. H. Abdullah, M. A. Mohamed, A.Sh. Samrah, and A. Abo talb, " Studying the Performance of Linear Precoding Algorithms based on Millimeterwave MIMO Communication System", International Journal of Scientific and Engineering Research (IJSER), vol.10, no. 1, pp. 2076–2082, 2019. [THMOSN REUTERS]
- [4] R. H. El-abd, H. H. Abdullah, M. A. Mohamed, and A.Sh. Samrah, "Low Complexity High-Performance Precoding Algorithms for mm-Wave MU-MIMO Communication System", Wirel. Pers. Commun. (Springer), vol.115, No.3, 2020. DOI: 10.1007/s11277-020-07692-6 [Q3 & IF=1.061]

b) Attend and Participate in Conferences, Seminars and Courses:

Year	Place	Conference
13 Jun 2020	Online (University of Central Florida)	The First International Online Conference on Recent Trends of Scientific Publishing in International Refereed Journals.

Activities in the Field of Teaching:

Undergraduate teaching of materials the following Courses:

- Math 1 and Math 2 (Prep Engineering)
- Math 3 and Math 4 (Second level Engineering)
- Numerical and Statistics (third level Engineering)
- Electronic Test 1 (Second Electronics and Communication Engineering)
- Electronic Test 2 (Third Electronics and Communication Engineering)
- Control system (Third Electronics and Communication Engineering and chemical Engineering)
- Electronic circuit 1 (Third Electronics and Communication Engineering)
- Electronic Test 3 (Fourth Electronics and Communication Engineering)
- Signal Analysis (Fourth Electronics and Communication Engineering)
- Signal Processing (Fifth Electronics and Communication Engineering)
- Communication System (Fifth Electronics and Communication Engineering)
- Optical Communication System (Fifth Electronics and Communication Engineering)
- Communication Network (Fifth Electronics and Communication Engineering)

Other Activities in Faculty:

- 1- عضو لجنة الارشاد الاكاديمي □ التسجيل بالمعهد العالي للهندسة □ التكنولوجي □ يا بدمياط الجديدة من 2010 حتي ال□.
- 2- المشاركة في أعمال الكنتر □ ل .
- 3- المشاركة في عمل الجد □ ل الدراسية .
- 4- عضو في معيار البحث العلمي □ المشاركة في اعمال الجودة □ الاعتماد.