

## Curriculum Vitae (CV)

Mohammed A. Salem



### Personal Information

**Academic Rank:** Assistant Professor  
**Department:** Electrical Engineering  
**Specialization:** Wireless Communications Networks  
**Position:** Assistant Professor in Electrical Engineering dept.  
**Web of Science:** [AAH-2434-2020](#)  
**Google Scholar:** [2SepyusAAAAJ](#)  
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### Education

Degree	Discipline	Institution	Year
Ph.D.	Electronics and Communications Engineering	Faculty of Engineering – Al-Azhar University- Egypt.	2020
M.Sc.	Electronics and Communications Engineering	Faculty of Engineering – Al-Azhar University- Egypt.	2014
B.Sc.	Electrical Engineering	Higher Technological Institute- 10 <sup>th</sup> of Ramadan, Egypt.	2008

### Academic Experience

**Institution:** Higher Technological Institute- 10<sup>th</sup> of Ramadan  
**Rank:** Assistant Professor  
**Dates:** from 2020 until now

**Institution:** Higher Technological Institute- 10<sup>th</sup> of Ramadan  
**Rank:** Assistant Lecturer  
**Dates:** from 2015 to 2020

**Institution:** Higher Technological Institute- 10<sup>th</sup> of Ramadan  
**Rank:** Teaching Assistant  
**Dates:** from 2008 to 2015

### Research interests:

- Wireless Communications, 5G and Beyond Communication Systems, MAC layer, IoT, M2M, IEEE 802.11.

## Publications

### Journal Papers

1. **M. A. Rashed**, T. A. El-Garf, I. F. Tarrad and H. A. Almotaafy, "The Effect of Weight Factor on The Performance of G.729A Speech Coder," International Journal of Engineering Sciences and Emerging Technologies, vol.6, iss.1, pp. 1-8, August 2013.
2. **M. A. Salem**, I. F. Tarrad, M. I. Youssef, and S. M. Abd El-Kader, "QoS Categories Activeness-Aware Adaptive EDCA Algorithm for Dense IoT Networks," International journal of Computer Networks & Communications, vol. 11, no. 03, pp. 67–83, May 2019.
3. **M. A. Salem**, I. F. Tarrad, M. I. Youssef, and S. M. A. El-kader, "An Adaptive EDCA Selfishness-Aware Scheme for Dense WLANs in 5G Networks," IEEE Access, vol. 8, pp. 47034–47046, 2020.
4. **M A. Salem**, M A. Aboul-Dahab, S. M. Abd El-kader, and Radwa A. Roshdy, "Performance Improvement for the Single Carrier in FBMC Systems by PAPR Reduction," International journal of Computer Networks & Communications, vol. 14, no. 05, pp. 17–30, September 2022.
5. R. A. Roshdy, A. I. Hussein, M. M. Mabrook, **M. A. Salem**, "A complexity efficient PAPR reduction scheme for FBMC-based VLC systems," Opto-Electronics Review, Mar. 2023

### Book Chapters

1. **M. A. Salem**, S. M. A. El-Kader, M. I. Youssef, and I. F. Tarrad, "M2M in 5G Communication Networks," Fundamental and Supportive Technologies for 5G Mobile Networks, pp. 309–321, 2020.

## Supervision

### B.Sc. Projects

1. "LTE Handover Parameters Optimization using Machine Learning", 2021.
2. "Implementation of NB-IoT Cell Search", 2021.
3. "Performance Enhancement using the Interconnection of Unlicensed technologies and Cellular Networks", 2021.
4. "Development of a Driver Safety Monitoring for Commercial Vehicles", 2022.

### M.Sc. Thesis

1. "Performance enhancement of Massive IoT in 6G Systems", 2022-present.

## Professional Activities:

- Member of IEEE.
- Counselor of IEEE HTI student Branch (Since 2021).
- Member of Preparing Regulations for Engineering Bachelor Programs with Credit Hours System at Higher Technological Institute (2021).
- Member of IEEE ComSoc Technical Committee on Cognitive Networks.

- IEEE Xtreme proctor.
- Member of Program committee, 7th International Conference on Computer Networks & Communications(CCNET 2020).
- Member of Program committee, 8th International Conference of Networks and Communications (NC 2020).
- Member of Program committee, 5th International Conference on Networks and Communications (NCO 2019).
- **PEER REVIEWER FOR ACADEMIC JOURNALS AND PUBLISHERS:**
  - Ain Shams Engineering Journal (ASEJ), Elsevier.
  - International Journal of Computer Networks & Communications (IJCNC), Academy and Industry Research Collaboration Center (AIRCC).
  - Arabian Journal for Science and Engineering, Springer Nature.
  - IEEE Access, Institute of Electrical and Electronics Engineers Inc.

**Teaching Experience:**  
**Courses taught.**

- Digital Logic Design
- Data Communications & Computer Networks
- Computer in Communications
- Wireless Networks & Applications
- Communication Systems
- Analog and Digital Communications
- Advanced Electronics Lab
- Communications Lab
- Computer Skills