

## Curriculum Vitae (CV)

Dr. Salah Mohamed Saafan



### Personal Information:

Academic Rank: Assistant Professor

Department: Electrical Engineering

Specialization: Electronic & Communication Engineering

Position: Head of the Community Service and Environmental Development Center

Research Gate: <https://www.researchgate.net/profile/Salah-Saafan>

Email: dr-salah.saafan@hti.edu.eg

Mobile/WhatsApp:

## Education:

Degree	Discipline	Institution	Year
Ph.D.	Electronic Engineering	Benha University	2005
M.Sc.	Electronic & Communication Engineering	Ain Shams University	1998
B.Sc.	B.Sc. Electrical and Computer engineering	Higher Technological institute (HTI)	1994

## Academic Experience:

**Institution:** Higher Technological Institute

**Rank:** Lecturer

**Dates:** 2005

**Institution:** Higher Technological Institute

**Rank:** Research Assistant (PhD student)

**Dates:** 1998

**Institution:** Higher Technological Institute

**Rank:** Teaching Assistant

**Dates:** 1995

## Research interests:

- Wireless communication
- Photovoltaic
- Automatic testing
- Residue Number System
- Power transfer

## Publications:

- “Enhancement of the rooftop Photovoltaic array characteristic interconnected by the grid under partial shading condition by using cascaded DC/DC converter” International Journal of Power, <http://www.ias.org/ias/journals/ijps>, ISSN: 2367-8976, 2018, Vol.3, 2018.
- “ Reconfiguration Technique for Optimization of the Photovoltaic Array Output Power under Partial Shading Conditions” Trends in Renewable Energy, Future Energy Service and Publishing, Tr Ren Energy, ISSN: 2376-2144, 2018, Vol.4, No.2, 111124. doi:10.17737/tre.2018.4.2.0068, Accepted May 30, 2018; Published June 5, 2018.
- “Enhancement of PV Array Performance during Partial Shading Condition” International Journal of Advanced Research in Science, and Engineering and Technology (IJARSET), ISSN: 2350-0328, Volume-4, Issue-5, May 2017.
- “A Quadruplexer Outdoor Branching Unit for Carrier Aggregation Radio Communications Systems” as a regular paper for presentation at the General Assembly and Scientific Symposium (URSI GASS), 2014 XXXIth URSI, 2014 China National Convention Center, and Beijing, China.
- "Secured Image Encryption Scheme Using both Residue Number System and DNA Sequence” International Journal of Emerging Science and Engineering (IJESE), ISSN: 23196378, Volume-1, Issue-12, October 2013.

- "Collision Risk Assessment for Geo-stationary Satellites " as a regular paper for presentation at the 15<sup>th</sup> International Conference on AEROSPACE SCIENCES & AVIATION TECHNOLOGY (ASAT - 15), to be held in Military Technical College, Cairo, EGYPT - May 28 – 30, 2013.
- "Multi-Layer Data Encryption Using Residue Number System in DNA Sequence," as a regular paper for presentation at the 1<sup>th</sup> International Conference on Computing and Informatics (ICCI), 2012 to be held in Concorde El\_Salam Hotel, Cairo, Egypt at the faculty of Computers & Information, Helwan University – 11 To 12 December 2012.
  - "Test of analog circuit using Quasi-Impulse Response and Step Response," Ain Shams University, Faculty of Engineering, Cairo, Engineering research journal, March 2005.
  - "Automatic testing for linear analog circuits using pattern generation technique, " Helwan University, Faculty of engineering, Mataria, Cairo, Engineering research journal, April 2005.
  - "Study and Investigation of a New Technique for Adaptive Cancellation of MOSFET OP. AMP. Noise."
  - "A Novel MOSFET FM-Receiver Circuit Entirely Integrated on a Single Chip." as a regular paper for presentation at the 15<sup>th</sup> National Radio Science Conference (NRSC), 1998 to be held in Helwan, Cairo, Egypt at the faculty of engineering, Helwan University – Feb 24-26, 1998.

## Certifications or Professional Registrations:

### Honors and Awards:

- Consultant Engineer  
Engineering Branch: Electrical in his capacity as consultant Engineer in the Field of (Electrical Installation of Building / Light Current)  
Providing for the establishment of the consultant engineers registration book and the establishment of the Supreme Consulting Engineering Committee on 27/6/2020 and Council Supreme on 21/7/2020.
- The 15<sup>th</sup> International Conference on AEROSPACE SCIENCES & AVIATION TECHNOLOGY (ASAT - 15), to be held in Military Technical College, Cairo, EGYPT - May 28 – 30, 2013.
- The 1<sup>th</sup> International Conference on Computing and Informatics (ICCI), 2012 to be held in Concorde El\_Salam Hotel, Cairo, Egypt at the faculty of Computers & Information, Helwan University – 11 To 12 December 2012.
- the 15th National Radio Science Conference (NRSC), 1998 to be held in Helwan, Cairo, Egypt at the faculty of engineering, Helwan University – Feb 24-26, 1998.

### Teaching Experience:

1. Electronics theory and devices
2. Electronics circuits
3. Electronics components
4. Logic circuits
5. Digital design circuits
6. Computer network
7. Computer aided circuit design, and applications
8. Computer language: Q-Basic, Pascal, C/C++ programming, Microsoft Access
9. VLSI technology and mentor graphics tools
10. Communications system (Analog and Digital)
11. Electronics lab, Advanced Electronics lab, Communication lab
12. Electrical circuit analysis
13. Introduction to computer lab (Dos and ICDL Microsoft Certified Courses)
13. Practical training lab