



Contact Information

Name: Adel Mohamed Soliman

Address: 4 Galal El-Desoky St, kafr El-Dawar, Beheira, Egypt

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Education/ Academic qualifications

Year	School / University	Specialization	Degree
1996	Alexandria University	Electrical Engineering	B.SC.
2010	Alexandria University	Communications and Electronics	Master Degree
2017	Alexandria University	Communications and Electronics	PHD Degree

Academic Employment History

From:	To:	University / Organization	Title of Position
1999	2003	Air Defense College	Teaching Assistant
2014	2017	Air Defense College	Assistant Lecturer
2017	2021	Air Defense College	Assistant Professor
2021	Till now	Faculty of Engineering – Horus University	Assistant Professor

Administrative Positions:

From:	To:	University / Organization	Title of Position
1991	2021	Egyptian Armed Forces	All leadership and administrative positions corresponding to the rank.

Teaching Experience (Courses, Language, Higher Education Only)

- Digital Signal Processing.
- Signals and Systems.
- Optical Communication Systems.
- Electromagnetic fields.
- Microwave Measurements.
- Electronic Circuits.
- Principle of electronics.
- Principle of electrical engineering.
- Sensors and Actuators
- Electrical Measurements & Testing.
- Introduction to Logic Circuit and Programming.
- Digital Communication.
- Solid State Devices.
- Digital Logic.
- Navigation Systems.
- Microwave Devices.

I do hereby declare that the information furnished above is true to the best of my knowledge .

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Publications:

- Robust Guidance System for Maneuvering Targets, International Telecommunications Conference (ITC), 2021.
- Optimized Gain Proportional Navigation law for compensation a Delay in Line-Of-Sight Rate, International Telecommunications Conference (ITC), 2021.
- Investigation and Design of Microwave Receiver Protector for Meteorological Radar Applications, International Telecommunications Conference (ITC), 2021.
- CRLH-TL Zeroth-Order Resonator Patch Antenna for LTE and Wireless Communication Applications, International Telecommunications Conference (ITC), 2021.
- Investigation of a Compact ITC-2021 ADC Shape Slotted Patch Antenna with Return Loss Improvement For X-Band Military Applications, International Telecommunications Conference (ITC), 2021.
- Investigation and realisation of integrated navigation system using optimal pseudo sensor enhancement method, IET Radar, Sonar & Navigation Journal, 2019.
- Fault detection prediction analysis of multi-sensor data fusion architecture and isolation using pseudo sensor enhancement method (PSEM), 7th International Conference on Intelligent Systems, Modelling and Simulation (ISMS), 2016.
- Optimal proportional navigation guidance using pseudo sensor enhancement method (PSEM) for flexible interceptor applications, UKSim-AMSS 18th International Conference on Computer Modelling and Simulation (UKSim), 2016.
- Robust analysis of multi-sensor architecture fault detection and investigation of pseudo sensor enhancement method (PSEM), IEEE/ACES International Conference on Wireless Information Technology and Systems (ICWITS) and Applied Computational Electromagnetics (ACES), 2016.
- Optimal performance of inertial navigation sensors using pseudo sensor enhancement method (PSEM) for intelligent system applications, International Conference on Computer and Communication Engineering (ICCCE), 2016.
- A Comparison of Extended, Improved and Unscented Kalman Filtering for 3-D Radar Target Tracking, International Conference on Computer and Communication Engineering (ICCCE'10), 2010.

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TRAINING COURSES:

- Air Defense Artillery Officer Basic Course 3-99 at United States Army Air Defense Artillery- El-Paso –Texas – USA 1999.
- Intermediate level maintenance for the Kineto integrated tracking system, L3 communications Brashear – Pittsburgh-Pennsylvania- USA - 2005.
- Use of Technology in Teaching - International Board of Certified Trainers European Division - Faculty and leadership Development center – Alexandria University, Dec 2014.
- Quality Standard in Education - International Board of Certified Trainers European Division - Faculty and leadership Development center – Alexandria University, Dec 2014.
- Crisis & Disaster Management - International Board of Certified Trainers European Division - Faculty and leadership Development center – Alexandria University, Jan 2015.
- Research Team Management - International Board of Certified Trainers European Division - Faculty and leadership Development center – Alexandria University, Jan 2015.
- Decision-making and problem-solving - International Board of Certified Trainers European Division - Faculty and leadership Development center – Alexandria University, Jan 2015.
- Communication skills in Education - International Board of Certified Trainers European Division - Faculty and leadership Development center – Alexandria University, Feb 2015.

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AWARDS & CERTIFICATES:

- Certificate of achievement air defense officer basic course, October 1999; USA.
- Medal & certificate of Foreign Military Student Badge, October 1999; USA.
- Certificate of completion the intermediate level maintenance training course for the Kineto integrated tracking system-November 2005,USA.
- Certificate of attendance the 40th international conference “Scientific Challenges & Emerging Technology Transfer in Modern Egypt & The Arab World”, Dec 2013; Egypt.
- Certificate of achievement training course on Use of Technology in Teaching, Dec 2014; Egypt.
- Certificate of achievement training course on Quality Standards in Education, Dec 2014; Egypt.
- Certificate of achievement training course on Crisis & Disaster Management, Jan 2015; Egypt.
- Certificate of achievement training course on Research Team Management, Jan 2015; Egypt.
- Certificate of achievement training course on Decision-making and Problem-solving, Jan 2015; Egypt.
- Certificate of achievement training course on Communication Skills in Education, Feb 2015; Egypt.
- Certificate of accomplishment in recognition of completing training workshops on EVO-AMI two axes motion simulator (software – hardware – safety - operating), October 2015; France.
- Medal & certificate in training field from the President of Egypt- 2015.
- Certificate of attending the LabVIEW and ELVIS Startup Training, October 2016; Egypt
- Certificate of attendance the International Symposium on Circuits and Systems, May 2018; Italy.
- Certificate of completion the introduction to deep learning course, September 2020; Egypt.
- Certificate of appreciation from Director of Air Defense College,2020.

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CONFERENCES:

- Attend the International Symposium on Circuits and Systems (ISCAS), May 27-30, 2018, Florence, Italy.
- Participate in the “Fiber Optic Remote Sensors and Sensory Systems” Workshop, - March 13th 2018, Air Defense Collage, Alexandria, Egypt.
- Participate in the “Navigation Technologies – State of the Art and Future Trends” Workshop, -October 2nd 2017, Air Defense Collage, Alexandria, Egypt.
- Participate in the Training Workshops on EVO-AMI two axes motion simulator (software – hardware – safety - operating), Sept 28th - Oct 2nd, 2015, Ixblue, Bonneuil-sur-Marne, France
- Attend the 40th International Conference “Scientific Challenges & Emerging Technology Transfer in Modern Egypt & The Arab World”, December 28 – 30, 2013, The Arab Academy for Science, Technology & Maritime Transport, Alexandria, Egypt.

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