

Mohamed Abdelhamed Abdelhamed

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Personal Information

Gender: Male

Date of Birth: 16-7-1985

Languages: Arabic (Fluent), English (Very Good)

Marital status: Married with three girls

Education

❖ Doctor of Philosophy (July 2018)

Electronics and Communications Engineering, Ain Shams University, Cairo, Egypt.

Thesis Title: "Efficient Multiple Access Technique for Future Generation Wireless Systems"

❖ Master of Applied Science (January 2013)

Electronics and Communications Engineering, El Monofya University, Menouf, Egypt

Thesis Title: "Signal Processing Techniques for Long Term Evolution Mobile Communication System"

❖ Bachelor of Science (Sep 2007) (Third Rank with honor's)

Communication and Computer Engineering Dept., El-Shorouk Academy, Cairo, Egypt.

Gradation Project Title: "Orthogonal Frequency Division Multiplexing (OFDM)"

Work Experience

❖ Lecturer from August 2018 until now

Communication and Computer Engineering Dept., El-Shorouk Academy, Cairo, Egypt.

I taught the following courses as lecturer:

- Telephone Switching System, Analog Communication, Digital Communication, Training Project (MATLAB), Information theory and Coding, Networks.

Electrical Engineering Department, Faculty of Engineering, Suez Canal University, Ismailia, Egypt (As part time from February 2020 – August 2021).

I taught the following courses as lecturer:

- Communication Theory
- Digital Communication (for Postgraduate students M. Sc. – Ph. D)

Electronics and Communications Engineering Department, Faculty of Engineering, Misr University for Science and Technology (MUST), Sixth of October City, Giza, Arab Republic of Egypt (As part time from February 2022 - until now).

I taught the following courses as a lecturer:

- Electronics (1)
- Signal analysis

I supervised the following graduate projects for undergraduate students:

- **“Design and Implementation of a Smart Fire Fighting and Rescue System”**, the Higher Institute of Engineering, El-Shorouk Academy, (academic year 2022-2023). Full funding from the Information Technology Industry Development Agency (itida), Ministry of Communications and Information Technology in Egypt (12,387 thousand Egyptian pounds).
- **“Smart Autonomous Car”**, the Higher Institute of Engineering, El-Shorouk Academy, (academic year 2022-2023). Full funding from the Information Technology Industry Development Agency (itida), Ministry of Communications and Information Technology in Egypt (26,545 thousand Egyptian pounds).
- **“Design, Manufacture, and Development of the Egypt University Satellite-4 (EUS-4) Communication Subsystem (Hardware)”**, Higher Institute of Engineering, El-Shorouk Academy, (the academic year 2021-2022), Joint supervision with the Egyptian Space Agency (EgSA) and with full funding from the Academy of Scientific

Research and Technology in Egypt and the Egyptian Space Agency (35,000 thousand Egyptian pounds).

- **“Design and manufacture of a Prosthetic Hand Palm”**, the Higher Institute of Engineering, El-Shorouk Academy, (academic year 2021-2022). Full funding from the Academy of Scientific Research and Technology in Egypt (10,500 thousand Egyptian pounds).
- **“Design, Manufacture, and Development of the On-Board Computer (OBC) Subsystem of Egypt University Satellite-3 (EUS-3)”**, Higher Institute of Engineering, El-Shorouk Academy, (the academic year 2020-2021), joint supervision with the Egyptian Space Agency and with full funding from the Egyptian Space Agency.
- **“Eye Movements Wheelchair”**, Higher Institute of Engineering, El-Shorouk Academy, (the academic year 2020-2021), full funding from the Academy of Scientific Research in Egypt (30 thousand Egyptian pounds).
- **“Design, Manufacture and Development of Egypt University Satellite-2 (EUS-2) Communication Subsystem (Hardware)”**, Higher Institute of Engineering, El-Shorouk Academy, (Academic year 2019-2020). joint supervision with the Egyptian Space Agency and with full funding from the Egyptian Space Agency.
- **“Mind-Motiv”**, Higher Institute of Engineering, El-Shorouk Academy, (Academic year 2019-2020).
- **“Car Security System using IoT”**, Higher Institute of Engineering, El-Shorouk Academy, (Academic year 2019-2020).
- **“Applications of Internet of Things (IoT) for Smart Cities”**, Higher Institute of Engineering, El-Shorouk Academy, (Academic year 2018- 2019).

I participated in the following graduate project arbitration committees for undergraduate students:

- **“Athlete Monitoring System Using Wireless Communication”**, at department of communication and computer engineering, Higher Institute of Engineering, El-Shorouk Academy, El-Shorouk city, Egypt, (2-7-2019). (Project Supervisor: Dr. / Hisham Abdelhady Mohamed (Researcher at the Institute of Electronics Research - New Nozha).

- **“Design Communication Sub-System of a Cube-Sat”**, at department of electronics and electrical communication engineering, Faculty of Engineering, Ain Shams University, Al-Abbasiyah, Cairo, Egypt, (13-7-2019). (Project Supervisor: Prof. Dr. / Abdelhalim Abdelnaby Zekry (Professor - Faculty of Engineering - Ain Shams University)).

❖ **Research & Teaching Assistant from March 2013 to July 2018**

Communication and Computer Engineering Dept., El-Shorouk Academy, Cairo, Egypt.

I taught the following courses as teaching assistant:

- Digital Communication, Digital Communication Lab., Analog Communication, Analog Communication Lab., Digital Signal Processing, Information Theory and Coding, Optical Fiber Communication Lab, and Satellite Communications.

❖ **Teaching & Research Assistant from September 2007 to January 2013**

Communication and Computer Engineering Dept., El-Shorouk Academy, Cairo, Egypt.

I taught the following courses as instructor:

- Mobile Communication Systems, Telephone Network and Switching, VHDL with a complete project using FPGA, Electronics (3), Electronics (4), Electromagnetic Fields (1), Electromagnetic Fields (2), Electromagnetic Waves (1), Electromagnetic Waves (2), Electromagnetic Waves (3) (Antennas), Electromagnetic Waves (4) (Propagation), Logic Design, Electrical Signal Analysis, and Networks (1).

Electronics and Communication Engineering Dept., Egyptian Russian University (ERU) (As part time form Sep. 2009-Sep. 2010).

I taught the following courses:

- Optical Fiber Communication.

Nuclear Materials Authority, Maadi, Cairo, Egypt (from 23-11-2009 to 2-2-2010).

Electronic Engineering instructor in the Exploration Sector (Chairman's Decision No. 514 of 2009 issued on 23/11/2009) and was resigned on 2-2-2010.

❖ **Funded Projects**

- **“Design and Implementation of a Smart Fire Fighting and Rescue System”**, the Higher Institute of Engineering, El-Shorouk Academy, (academic year 2022-2023). Full funding from the Information Technology Industry Development Agency (itida), Ministry of Communications and Information Technology in Egypt (12,387 thousand Egyptian pounds).
- **“Smart Autonomous Car”**, the Higher Institute of Engineering, El-Shorouk Academy, (academic year 2022-2023). Full funding from the Information Technology Industry Development Agency (itida), Ministry of Communications and Information Technology in Egypt (26,545 thousand Egyptian pounds).
- **“Design, Manufacture, and Development of the Egypt University Satellite-4 (EUS-4) Communication Subsystem (Hardware)”**, Higher Institute of Engineering, El-Shorouk Academy, (the academic year 2021-2022), Joint supervision with the Egyptian Space Agency (EgSA) and with full funding from the Academy of Scientific Research and Technology in Egypt and the Egyptian Space Agency (35,000 thousand Egyptian pounds).
- **“Design and manufacture of a Prosthetic Hand Palm”**, the Higher Institute of Engineering, El-Shorouk Academy, (academic year 2021-2022). Full funding from the Academy of Scientific Research and Technology in Egypt (10,500 thousand Egyptian pounds).
- **“Design, Implementation, and Development of the On-Board Computer (OBC) Subsystem of Egypt University Satellite-3 (EUS-3)”**, the Higher Institute of Engineering, El-Shorouk Academy, (the academic year 2020-2021), joint supervision with the Egyptian Space Agency and with full funding from the Egyptian Space Agency.
- **“Eye Movements Wheelchair”**, the Higher Institute of Engineering, El-Shorouk Academy, (the academic year 2020-2021), full funding from the Academy of Scientific Research in Egypt (an amount of 30 thousand Egyptian pounds).
- **“Design, Implementation and Development of Egypt University Satellite-2 (EUS-2) Communication Subsystem (Hardware)”**, the Higher Institute of Engineering, El-Shorouk Academy, (Academic year 2019-2020). joint supervision with the Egyptian Space Agency and with full funding from the Egyptian Space Agency.

❖ Administrative Work

- Participation in El-Shorouk Academy getting fifth place as director of the Huawei Academy (among the best private universities and higher institutes) in the field of training and linking the curriculum with the technology provided by Huawei, 2021.
- General Coordinator of the Department of Communications and Computer Engineering at the Higher Institute of Engineering, El-Shorouk Academy (from 2022 until now).
- Vice Director of the Electronics and Communication Engineering Program at the Department of Communication and Computer Engineering in the Higher Institute of Engineering at El-Shorouk Academy (from 2021 until now).
- Program Coordinator (Quality Coordinator) for Electronics and Communication Engineering at Department of Communications and Computer Engineering in the Higher Institute of Engineering at El-Shorouk Academy (from 2021 until now).
- Participation in El-Shorouk Academy being honored by Huawei as a director of the Huawei Academy (within universities and higher institutes) at the Huawei Academies' Ambassadors Celebration at the Four Seasons Hotel in Cairo - May 31, 2022.
- Participation in El-Shorouk Academy getting third place as director of the Huawei Academy (among the best private universities and higher institutes) in the field of training and linking the curriculum with the technology provided by Huawei, 2021.
- Preparing the self-report files for the performance of the Department of Communications and Computer Engineering at the Higher Institute of Engineering at El-Shorouk Academy, which was submitted to the Industrial and Engineering Institutes Sector Committee, the Education Sector, the Ministry of Higher Education and Scientific Research, (from the fourth stage 2015 to the eleventh stage 2022).
- Participation in the organization of the Fourth Employment Forum at the Higher Institute of Engineering at El-Shorouk Academy, held at the El-Shorouk Academy's event hall, (March 2, 2022).
- Participation in El-Shorouk Academy getting the first prize as director of the Huawei Academy (among the top twelve universities and higher institutes) in the field of training and linking the curriculum with the technology provided by Huawei, 2020.
- Member of the E-Learning Committee at the Higher Institute of Engineering at El-Shorouk Academy (September 2020 until now).

- Member of the Committee for Preparing and Equipping the E-Learning System at El-Shorouk Academy (August 2020 – until now).
- Director of Huawei Academy, El-Shorouk Academy (from September 2019 - until now).
- Member of the automated correction committee in the Higher Institute of Engineering at El-Shorouk Academy (September 2019 – until now).
- Participate in the preparation of the regulation (2019) for the Department of Communication and Computer Engineering in the Higher Institute of Engineering at El-Shorouk Academy.
- Member of the Board of the Crisis and Disaster Unit in the Higher Institute of Engineering at El-Shorouk Academy (September 2018 – September 2019).
- Chairman of the Awareness and Information Committee of the Executive Council of the Crisis and Disaster Unit in the Higher Institute of Engineering at El-Shorouk Academy (September 2018 – September 2019).
- Member of the team of Quality Management and Development standard in the quality assurance unit in the Higher Institute of Engineering at El-Shorouk Academy (September 2018 - March 2019).
- Member of the committee of the system and control (Exams control unit of the preparatory year) Development in the Higher Institute of Engineering at El-Shorouk Academy (September 2018 – until now).
- Member of the Exams Questions Receiving committee in the Higher Institute of Engineering at El-Shorouk Academy (September 2018 until now).
- Preparatory Committee Member of the First International Scientific Conference of the Higher Institute of Engineering at El-Shorouk Academy, "Sustainability: Environmental Efficiency for Human Well-Being" held at JW Marriott Hotel, Cairo (13- 15 December 2018).
- Vice Director of development and E-learning unit in the Higher Institute of engineering at El-Shorouk Academy (March 2016 - March 2019).
- Quality Coordinator for Communication and Computer Engineering department (Electronics and Communication Engineering Program – Computers and Control Engineering Program) in the Higher Institute of Engineering at El-Shorouk Academy (September 2013 – September 2021).

- Graduation Project Coordinator for Communication and Computer Engineering department in the Higher Institute of Engineering at El-Shorouk Academy (September 2013 - until now).
- Participation and contribution in the accreditation process from the National Authority for Quality Assurance of Education and Accreditation (NAQAAE) for Higher Institute of Engineering at El-Shorouk Academy (Date of accreditation 29-5-2017).
- Member of the faculty member's standard team in the quality assurance unit in the Higher Institute of Engineering at El-Shorouk Academy (September 2014-August 2015).
- Member of the Administrative body standard team in the quality assurance unit in the Higher Institute of Engineering at El-Shorouk Academy (September 2014-August 2015).
- Member of the Financial and material resources standard team in the quality assurance unit in the Higher Institute of Engineering at El-Shorouk Academy (September 2014-August 2015).
- Participate in the preparation of the regulation (2013) for the Department of Communication and Computer Engineering in the Higher Institute of Engineering at El-Shorouk Academy.
- Participation in all administrative work in the Communication and Computer Engineering department in the Higher Institute of Engineering at El-Shorouk Academy (September 2009 - until now).

Teaching training courses

- “E-learning” for the faculty members and the assisting staff - The Higher Institute of Engineering at El-Shorouk Academy (11-12 October 2020).

Awards

- Huawei Award for Best Directors of Huawei Academies for the year 2022.
- Huawei Award for Best Directors of Huawei Academies for the year 2021.
- Huawei Award for Best Directors of Huawei Academies for the year 2020.

- The ideal lecturer assistant at the Higher Institute of Engineering at El-Shorouk Academy for the academic year 2014-2015.

Conferences

- **“2nd Annual Conference IBT/ICT Talents Bank”** February 15, 2020, Huawei, Almanara international conference center, New Cairo, Egypt.
- **1st Annual Conference IBT “ICT Talent Bank”** October 1, 2019, Huawei, Smart Village Conference Center, 6th of October, Giza, Egypt.
- **4th International Conference for Research and Innovation of Undergraduate Students**, July 29 - August 1, 2019, Military Technical College, Cairo, Egypt.
- **31th National Radio Science Conference (NRSC 2019)** April 16-18, 2019, at the Faculty of Engineering, the Arab Academy for Science, Technology and Maritime Transport, Port Said, Egypt.
- **1st International Scientific Conference of the Higher Institute of Engineering at El-Shorouk Academy, "Sustainability: Environmental Efficiency for Human Well-Being"** 13- 15 December, 2018, at JW Marriott Hotel, Cairo, Egypt.
- **Japan-Africa Conference on Electronics, Communications and Computers (JAC-ECC 2017)** 18-20 December, 2017, at Hilton Alexandria Green Plaza, Alexandria, Egypt.
- **29th National Radio Science Conference (NRSC 2012)** April 10-12, 2012, at the Faculty of Engineering, Cairo University, Giza, Egypt.
- **8th International Conference on Informatics and Systems (INFOS)** 14-16 May, 2012, Faculty of Computers and Information, Cairo University, Egypt.

Workshops

- **“Programmatic accreditation: the axis of educational effectiveness (the standard of faculty members - the standard of teaching and learning - the standard for evaluating the program outputs - the standard of reinforcement and development - the standard of indicators of program success)”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, 15 February 2021, Presented by: Prof. Dr. Olfat Hamdy - Director of the Quality Unit at the Higher Institute of Engineering at Elshorouk Academy.

- **“Programme Accreditation: The Axis of Educational Effectiveness (Academic Standards Standard – Program Design Standard — Student Standard)”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, 8 February 2021, Presented by: Prof. Dr. Olfat Hamdy - Director of the Quality Unit at the Higher Institute of Engineering at Elshorouk Academy.
- **“Programme Accreditation: The Axis of Program Management”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, 2 February 2021, Presented by: Prof. Dr. Olfat Hamdy - Director of the Quality Unit at the Higher Institute of Engineering at Elshorouk Academy.
- **“Programmatic Accreditation and Draft of National Academic Standards 2018 for Quality Assurance of Education and Accreditation”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, January 2021, Presented by: Prof. Dr. Gamal Hashem - Reviewer at the National Authority for Quality Assurance and Accreditation of Education and Director of the Quality Unit at the Faculty of Engineering Ain-Shams University.
- **"The Role of Higher Education in Providing the Relevant Skills Needed for the Digital Age (Life Skills, Digital Skills, Leadership Skills)"**, prepared by the Arab European Leadership Network in Higher Education (ARELEN) in cooperation with the Arab Institute for Leadership Development (AILD) at the Arab Academy for Science, Technology and Maritime Transport, Abu Qir, Alexandria, Egypt (18-19 December 2019). Two axes were discussed:
 - **The first axis: The Growth of Virtual Reality as a Supportive Tool in Higher Education.** This axis included three sessions:
 - First session: Online Education as an Increasingly Accepted Option: How leading institutions need to redesign learning spaces and curriculum.
 - Second session is Empowering Educators and Students through Education Technology: the necessary leadership and digital skills needed nowadays.
 - Third session: Up-and-coming Assessment Methods: How to assess students and can technology aid the process.

- **The second axis: Academic Leadership Qualities for Meeting Today's Higher Education Challenges and Giving Students the Required Skills to Prosper.** This axis included three sessions:
 - First session: Essentials of Leading Change in Higher Education.
 - Second session: Improving the Quality of Graduates' Skills for Employability.
 - Third session: Unlocking Potential Encouraging Staff Performance Management.
- **“The Road to Fifth Generation (5G) and Security Threats”**, at Training Sector - Egyptian Telecommunication Company, Nasr city, Cairo, Egypt, (26-11-2018).
- **“Enhancing the participation of universities and research centers in the activities of International Telecommunication Union (ITU)”**, at Faculty of Engineering and Technology, Arab Academy for Science, Technology and Maritime Transport - Branch of Sheraton, Cairo, Egypt, (22-11-2018).
- **“Mechanisms for conducting exams and control”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, (Academic Year 2016/2017).
- **“Efficiency and ethics of university education”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, (Academic Year 2014/2015).
- **“Exercises quota management”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, (Academic Year 2014/2015).
- **“Acts of surveillance examination”**, at Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt, (Academic Year 2014/2015).
- **“SMART Track to Innovation”**, at Mentor Graphics Company, at Concorde Hotel, Cairo, Egypt, (1st of December 2013).

Events

- **“Huawei Academies Ambassadors”**, May 31, 2022, Huawei Egypt - Four Seasons Hotel – Cairo.
- **“Quality of Management Performance”**, 30 May 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Dr. Jassim Almutairi – CEO of 3M International Academy.

- **“Using Blockchain in Business”**, 10 May 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Mr. Zakaria Hassanein, Egypt.
- **“The Scientific Lecture: The Problems of Presentation, and Evaluation”**, 7 May 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Prof. Dr. Mohammad Ashanty, Jordon.
- **“Development of Scientific Publishing in the Arab World: Suggested Realistic Solutions”**, 6 May 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD).
- **“Scientific Research: Challenges and Solutions”**, 30 April 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Prof. Dr. Mohammad Ashanty – Islamic University - Madinah.
- **“Obstacles to Choosing a Ph.D. Thesis Topic: Reasons and Solutions”**, 22 April 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Mr. Ahmed Mamoun Boutba - Algeria.
- **“Edpuzzle Method in Online Learning”**, 21 April 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Dr. Zainab Haidar – Saint Joseph University - Lebanon.
- **“The Secrets of Scientific Publishing and International Ranking”**, 14 April 2021, Scientific webinar via the online platform - Zoom application, Academics and Researchers Platforms (IFAD), Presented by: Prof. Dr. Mahmoud Abdelaty – Sohag University - Egypt.
- **“Closing Ceremony of the Egyptian Space Agency for Summer Training for Students”**, October 19, 2020, Benha University, Benha City, Qalyubia.
- **“Closing Ceremony of the Egyptian Space Agency for Summer Training for Students”**, October 19, 2020, Benha University, Benha City, Qalyubia.
- **“Egypt's Higher Education Strategies and Policies for Post-COVID-19”**, 26 August 2020, Webinar on Zoom, at the invitation of the Fulbright Authority in Egypt.
- **“Well-being during Covid-19: Stay Healthy, Experts from Egypt”**, 8 July 2020, Webinar on Zoom, at the invitation of the Fulbright Authority in Egypt.
- **“Post-Covid-19 and Economic Inclusion, Lecturer Prof. Dr. Mohamed Omran, Chairman of the Board of Directors of the General Authority for Financial**

Supervision", 6 July 2020, Webinar on Zoom, at the invitation of the Arab Academy for Science, Technology and Maritime Transport, Abu Qir, Alexandria, Egypt.

- **"Distance Teaching and Learning: The New Normal, Experts from the United States, New Zealand, and Egypt"**, 24 June 2020, Webinar on Zoom, at the invitation of the Fulbright Authority in Egypt.
- **"Arab Influence Factor: Academic Classification of Arab Universities - Arab Universities Union Project with Elsevier, Lecturer Prof. Mahmoud Abdelati Director of Arab Influence Labs Project at Arab Universities Union"**, 9 October 2019, Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt.
- **"Regulation of State Communications through the International Telecommunication Union"** October 7, 2019, Scientific Day of the Department of Communication and Computer Engineering, Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt.
- **"Egypt and the issue of climate change: risks, opportunities and threats"** October 7, 2019, Scientific Day of the Department of Communication and Computer Engineering, Higher Institute of Engineering, El-Shorouk Academy, Cairo, Egypt.
- **"Discussion of the proposals of the National Space Program in the presence of Prof. Dr. / Mohamed Elkousy Chief Executive of the Egyptian Space Agency"**, Egyptian Space Agency, Cairo, Egypt (30-9-2019).
- **"Annual Scientific Exhibition of Military Technical College"**, Military Technical College, Cairo, Egypt (1-8-2019).
- **"Activities of the conclusion of the fourth Military Technical College competition for innovation in unmanned vehicles"**, Military Technical College, Cairo, Egypt (1-8-2019).
- **"Damages of abuse: its manifestations and treatment"**, at Higher Institute of Engineering, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (10-4-2019).
- **"The development of space technology and its impact on national security and stability"**, at Higher Institute of Computer and Information Technology, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (21-11-2018).

- **“Developing Youth Skills to Keep Up with the Labor Market”**, at Higher Institute of Computer and Information Technology, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (21-11-2018).
- **“Security Risks and Vulnerabilities in the Internet of Things (IoT)”**, at Higher Institute of Computer and Information Technology, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (24-10-2018).
- **“Internet of Things (IoT): Robot of the Future”**, at Higher Institute of Computer and Information Technology, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (24-10-2018).
- **“Knowledge Management between Theory and Practice”**, at Higher Institute of Computer and Information Technology, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (26-9-2018).
- **“The Future of Space Industry and the Role of Scientific Research”**, at Higher Institute of Computer and Information Technology, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt (26-9-2018).

Training Courses

- Training on **“Theoretical and practical aspects of Huawei network devices”**, KOLALY Technology Company, Cairo, Egypt (October 30-November 10, 2022).
- Training on **“Start and Improve Your Business (SIYB) Training of Trainers Program”**, Dr. Mohamed Farid Elgharib – Dr. Kholoud Rifaat Soliman, International Labour Organization, Cairo, Egypt (September 25-29, 2022).
- Training on **“Credit Hours System”**, Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (September 21-22, 2022).
- Training on **“Leadership skills”**, Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (September 18-19, 2022).
- Training on **“Preparing Course Specifications”**, Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (February 7-8, 2022).
- Training on **“Techniques of Preparing a Study of Self-Evaluation of Programs”**, Training, Rehabilitation and Human Development Center, El-Shorouk Academy, Cairo, Egypt (November 21-22, 2021).

- Training on “**Fundamentals of Digital Transformation**”, Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (September 11-16, 2021).
- Training on “**Using USRP Devices**” at Smart Integrators (NI Agent), Cairo, Egypt. (11-2-2021).
- Training on “**Using Communication Systems Laboratory Equipment**” at Smart Integrators (NI Agent), Cairo, Egypt. (1, 10-2-2021)
- Training on “**Using Communication Systems Laboratory Equipment**” at Smart System Company, Cairo, Egypt. (12-30-2020)
- Training on “**E-Learning**” at Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt. (13-14/9/2020)
- Training on “**Computer Networks - Cisco - CCNA (Routing and Switching)**” at Network Training Center - Eng. Ahmed Nabil, Cairo, Egypt. (20-9- 2020 to 1-2-2021)
- Training on “**Computer Networks - Huawei - HCIA (Routing and Switching)**” at Huawei Company, Smart Village, Sixth of October City, Giza, Egypt. (23-8 to 3-9-2020)
- Training on “**Self-Evaluation of Educational Programs: Colleges and Institutes of Higher Education**” at National Authority for Quality Assurance and Accreditation Education, Cairo, Egypt. (16-18/9/2019).
- Training on “**Electronic Correction Systems**” at Higher Institute of Engineering, El-Shorouk Academy, El-Shorouk city, Cairo, Egypt. (27-28/3/2019)
- Training on “**Preparing Competitive Projects to Fund Research**” at leadership development center, Cairo University, Cairo, Egypt. (4-5/2/2019)
- Training on “**International Publication of Scientific Research**” at leadership development center, Cairo University, Cairo, Egypt. (12-13/11/2018)
- Training on “**Design of Electrical Systems for Buildings and Constructions**” at Electronics Research Institute, Al-Nozha Algedada, Cairo, Egypt. (15-26/7/2018)
- Training on “**Exams Systems and Students Assessments Methods**” at National Authority for Quality Assurance and Accreditation Education, Cairo, Egypt. (20-21/3/2018).
- Training on “**Teaching Strategies and Effective Learning**” at National Authority for Quality Assurance and Accreditation Education, Cairo, Egypt. (21-22/1/2018).

- Training on “**Strategic Planning for Colleges and Institutes of Higher Education**” at National Authority for Quality Assurance and Accreditation Education, Cairo, Egypt. (14-15/11/2017).
- Training on “**External Review for Colleges and Institutes of Higher Education**” at National Authority for Quality Assurance and Accreditation Education, Cairo, Egypt. (12-14/9/2017).
- Training on “**Academic Leaders**” at leadership development center, Cairo University, Cairo, Egypt. (7-8/2/2017)
- Training on “**E-learning Courses Design**” at leadership development center, Cairo University, Cairo, Egypt. (21-22/11/2016)
- Training on “**E-learning**” at leadership development center, Cairo University, Cairo, Egypt. (16-17/11/2015)
- Training on “**Quality Standards in Teaching**” at leadership development center, Cairo University, Cairo, Egypt. (14-15/11/2015)
- Postgraduate training course on (**Contents and form of scientific texts - Writing, analysis and presentation skills - Ethics of Scientific Research - Quality controls and standards in scientific research – E-Learning – Digital Library**) at faculty of engineering, Ain Shams university, Cairo, Egypt. (26-31/10/2013)
- Training on “**Programming with MATLAB**” at High Teaching Center at Faculty of Engineering, Cairo University, Cairo, Egypt. (from 27-8-2006 to 31-8-2006)
- Training on “**CDMA advanced course**” at Japan Telecom Company in Cairo, Egypt. (from 25-6-2006 to 25-7-2006)
- Training on “**Computer Network**” at National Telecommunication Institute (N T I), Cairo, Egypt. (3-21/7/2005)
- Training on “**Introduction Advanced Communication Systems**” at Japan Telecom Company in Cairo, Egypt. (from 16-8-2004 to 6-9-2004)

Publications

- E. El-fayome, **M. A. Abdelhamed**, A. El-Shazly, M. Abouelatta and A. Zekry, “ **End of Life Management of Solar Panels**,” proc. of 40th National Radio Science Conference

(NRSC 2023) May 30 – June 01, 2023, at the Faculty of Engineering, the Arab Academy for Science, Technology and Maritime Transport, Giza, Egypt, 2023, pp. 286-293, doi: 10.1109/NRSC58893.2023.10152958.

- **Mohamed A. Abdelhamed**, Abdelhalim Zekry, Salah S. Elagooz, and Fathi E. Abd El-Samie, “**All-Pass Filters as a Low-Complexity PAPR Reduction Scheme for SC-FDMA System**,” *Wireless Pers. Communication*, May 2022. doi.org/10.1007/s11277-021-08375-6
- Fatma H. Elfouly, Rabie A. Ramadan, Ahmed Y. Khedr, Kusum Yadav, Ahmad Taher Azar, and **Mohamed A. Abdelhamed**, “**Efficient Node Deployment of Large-Scale Heterogeneous Wireless Sensor Networks**,” *Applied Sciences*, Vol. 11, No. 22, P. 10924, Nov. 2021, doi: 10.3390/app112210924.
- Mohamed Ali Amer, Mohamed Rihan, salah el-agooz, Noha A. El-Hag, walid elshafee, Fathi E. Abd El-Samie, ashraf khalifa, ghada banby, and **Mohamed A. Abdelhamed**, “**Anomaly Detection System for Retinal Images Based on Area Classifier**,” 2nd IEEE International Conference on Electronic Engineering, Menoufia University, ICEEM 2021, Egypt July 3-4, 2021, at the Faculty of Electronic Engineering, Menoufia university, Menouf, Egypt.
- Fathi E. Abd El-Samie, Rana M. Nassar, Mohamed Safan, **Mohamed A. Abdelhamed**, Ashraf A. M. Khalaf, Ghada M. El Banby, Osama Zahran, El-Sayed M. El-Rabaie, Abdelnaser A. Mohamed, Ibrahim M. El-Dokany, Hossam ElDin H. Ahmed, Said El-Khamy, Noha Ramadan, Randa F. Soliman, and Walid El-Shafail, “**Efficient implementation of optical scanning holography in cancelable biometrics**”, *Applied optics*, Vol. 60, No. 13, May 1, 2021, OSA, doi:10.1364/AO.415523. (IF= 1.961).
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Memberships

- Member of the Egyptian Society of Engineers, Egypt, from 2023 until now.
- Member of the Institute of Electrical and Electronics Engineers (IEEE), from 2020 until now.
- Member of the National Youth Council in Egypt, 2021.
- Member of the Egyptian Engineers Syndicate, Egypt, from 2007 until now.

Professional business

- Re-planning and implementing the internal network of El Shorouk Academy - El Shorouk City - Egypt, August 2020 until now.
- Preparation, checking and maintaining acoustics equipment at El Shorouk Academy - El Shorouk City - Egypt, September 2019.
- Supply and installation of light current systems (fire - exchanges - computer networks - cameras - audio) Al-Shifa International Hospital - Qena - Qena Governorate - 2019.

- Supply and installation of light current systems (alarms - central - cameras - audios - fingerprint attendance and departure) Hypermarket (Bin Saud) - Qena - Qena Governorate - 2018.

Career Objectives

- I have been teaching and conducting research in academic environments in Egypt since 2007. The experience and students' feedback I got so far suggest that I should be continuing my research/teaching career.
- I dedicate myself to becoming an effective university instructor. I constantly work to enhance my teaching skills and make the learning experience enjoyable for my students.
- I am particularly interested in interacting with engineering students in a mentoring role and be able to provide academic and life skills counseling to help them succeed in engineering.
- Finally, I look forward to working at an education institute where my teaching is assessed positively, and my research interests are encouraged and respected.

References

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Note:

- Any documents available upon request.