CV

Personal Details:

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PERSONAL STATEMENT

Currently I am an Assistant Professor   at Zagazig Higher Institute of Engineering and Technology with an excellent background in teaching, technical and vocational training, design & development of curriculums & support labs and workshops. Leading a teamwork of multinational trainers. I have an excellent field experience on petrochemical industries, installation of production lines in reputed industrial companies. PLC industrial installation, programming & support. DCS, SCADA, SIEMENS control systems installation, programming, and maintenance. I have a very good knowledge in computer networks & LV, MV distribution panels, power factor installation. I have a deep knowledge in microprocessor-based instruments teaching manipulation and programming.

Education

- PhD (2017), in Electrical Communications and Electronics Engineering, Faculty of Engineering, Zagazig University, Egypt.
- Master Degree (2004) in Electrical Communications and Electronics Engineering, Faculty of Electronic Engineering, Menofia University, Egypt.
- Bachelor Degree (1993) in Electrical Communications an Electronics Engineering, Faculty of Electronic Engineering, Menofia University, Egypt, (General Grade is Very Good).

Experiences

1.   2018-2023

Assistant Professor at Zagazig Higher Institute of Engineering and Technology.

2.   2017-2018

Electrical/Instrumentation Lecturer at TUV-Rheinland Arabia, a subcontractor of NITI (National Industrial Training Institute), Colleges of Excellences, Saudi ARAMCO for oil &Gas production, Saudi Arabia], https://www.tuv.com/world/en/.

Teaching the following:-

- Process Control Systems.
- Maintaining process control systems in Oil/Gas Industry.
- Working and demonstration of knowledge and experience with DCS (Yologawa, Honeywell TDC 3000/Foxboro/Delta V) and PLC (Triconex/Siemens/Allen Bradley/Bristol Babcock).
- Maintain compressor controls, turbine controls, foundation Field bus and plant wide networks.
- Gas analyzers.
- Pneumatic, Electronic and Digital Instrumentation in Oil/Gas Industry and Troubleshooting Process Control Systems.
- Preventive Maintenance of Field Devices (DVCs, Smart Transmitters, Conventional Transmitters, Valves, Controllers and FF devices).

3. 2016 to 2017

Technical Supervisor/Instructor in Electrical and Instrumentation Technology Department – *CINOP ME Colleges-[JCC Technical College, GIZAN, Saudi Arabia].One of* Colleges of Excellences, Supervised by Saudi ARAMCO for oil &Gas production, Technical and Vocational Training Colleges, Saudi Arabia (www.CINOPmiddleeast.com)

* Training electrical and instrumentation fundamentals to trainees to meet the JCC requirements, under supervision of Saudi Armco Co.

* Leading a teamwork of multinational traireners of Electrical-Instrumentation-Weldding-Pipfitting-Scaffolding-Forman-Rebar-Opaeration trades.

* Developing the curriculums to meet the specifications of Saudi Aramco cooperation for oi and gas industry.

* Short term and long term planning.

4. 2004 to 2015

Lecturer at Hafer Al-Batin Technical College at Industrial Electronics and Control Department, Saudi Arabia]- One of the Technical and Vocational Training Corporation colleges in Saudi Arabia (http://www.tvtc.gov.sa).

Delivering a technical training to trainees in different Laboratories, Electric & Electronics Workshops, Microprocessor & PLC architecture and programming, Introduction to Electrical Engineering, Electronic Elements, Control System 1&2, Communication Engineering, Maintenance Workshops. Logic Circuits and Design,

Main subjects: PLC Programming on Siemens S7-300, Electronics, Logic Circuits, Electrical Circuits, power Electronics, microprocessor Architecture & programming, Measurements, Workshop, graduation projects.

In addition, I worked as Head of Industrial Electronics and Control Department (6 years).

ACHIEVEMENTS

Supervisor of the following graduation projects:

- PLC Home's Gate Automatic Control Program.
- Password Electronic Lock Circuit.
- Ladder Diagram of Star-Delta Motor Control Circuit
- Liquids Filling Automatic Control System Ladder Diagram
- Anti-Thieves Home Security System
- FBD of Robot Arm Control System.
- Burglar Alarm
- Stabilized Multi-Output DC Power Supply
- Mixture Chemical System with PLC
- Liquids Level Control System

5. 1998 to 2003

Electrical maintenance engineer in Oriental Weaver International Cooperation/Egypt

In the field of petrochemical industries, installation of production lines, PLC industrial installation, programming & support. DCS, SCADA, and SIEMENS control systems installation, programming, and maintenance. LV, MV distribution panels, power factor installation. Design & Developing of control systems, Maintenance and Developments of BCF, POY, Twisting, Heat sitting, Dying, ATY production machines, programming and installing of AC & DC drivers, cooling tower units, chiller cooling systems, humidity control systems, dealing with pneumatic & hydraulic control systems, boilers, installing and maintenance of water purification systems, air drying and compressors equipment.

6. 1996 to 1997

Electronics Engineer in Ministry of Education/Egypt, Training students in different Laboratories, Electric & Electronics fundamentals, Microprocessor.

7. 1993 to 1995

Military Service period, working in maintenance and operation of electric and electronics devices.

Master Trainer of Professional Courses

- Programmable Logic Controllers(PLCs)
- Control Systems and its applications
- Troubleshooting for Control Systems in industrial facilities
- Communication Networks and fire alarm Control Systems
- Periodic Maintenance in industrial facilities
- Assemble of Electronic Devices
- Troubleshooting of Electronic Devices
- Design of Work Places

Trainings and Workshops

- The way to Success Diploma (A set of courses of Human Resources is as follows: Making Decisions and problem solving- Self Confidence- Preparing leaders- Crisis Management)
- Guidelines for Design of Exams.
- Evaluation Methods
- Knowledge Maps
- Compass Thinking
- Applications of Quality Systems in Technical Colleges
- Modern Technical Training Techniques
- Fundamentals and Concepts of Educational Supervision
- Digital Electronics Testing Device (System 8)
- Specialized English and Preparation for TOEFL Exams
- Fundamentals of Educational Aids
- Distribution of Curriculum
- Microsoft Office Applications

Technical Skills

- Excellent usage of Computer Software's, MS Office (Word, Excel, Power Point, Outlook, Access), internet, etc.
- PLC Specialist.
- Microprocessor Programming.
- Excellent Technical Instructor.
- ICDL
- TOEFL
- Matlab Programming
- Mathcad software
- PSPICE software
- Multisim software
- Logic works software
- Circuit Maker software
- C/C++ programming

Language

- **ENGLISH   VERY GOOD   ,**

List of Publications

[1] M.E.Nasr, S.Khamis, E.S.Gemeay, and A.R.El-Shazly, "On the Analysis-By-Synthesis Coders for Speech at Low Bit Rates", Proc. Of IEEE 11th, International Conference on Computer Theory and Applications (ICCTA), 2001, Alex. Egypt, 28-30 August 2001, pp. v39-v43.

[2] M.E.Nasr, and A.R.El-Shazly, "Performance of Coded Speech Signals Through Rician-Fading Mobile Channel"", Proc. Of IEEE International Conference on Intelligent Engineering Systems (INES'2003), Asuit-Luxor- Egypt, March 4-6 2003.

[3] M.E.Nasr, and A.R.El-Shazly, "Performance of Coded Speech Modulated Signals Through Rician-Fading Mobile Channel", Proc. Of the 20th National Radio Science Conference (NRSC'2003), Cairo-Egypt, March 18-20, 2003, pp. (18-1)-C (18-8).

[4] A. R. El-Shazly, F. Sayed, M. M. Fouad, and M. E. Nasr, "Digital Watermarking Technology in Audio Signals: Features, Techniques, and Evaluation", 5th Saudi Technical Conference and Exhibition, Riyadh, 11-14 Jan. 2009.

[5] A. R. El-Shazly, M. M. Fouad, and M. E. Nasr, "Secure and Robust High Quality DWT Domain Audio Watermarking Algorithm with Binary Image", Proc. Of the 8th IEEE International Conference on Computer Engineering and Systems (ICCES'2012), Cairo, Egypt, 27-29 Nov., 2012.

[6] A. R. El-Shazly, M. M. Fouad, and M. E. Nasr, "Secure, Robust, and High Quality DWT Domain Audio Watermarking Algorithm with Binary Image", Journal of Computing, Volume 5, Issue 1, January 2013, ISSN (Online) 2151-9617, USA.

[7] A.R. El-Shazly, F. E. Abd El-Samie, M. M. Fouad, and M. E. Nasr, "Synchronized Double Watermark Audio Watermarking Scheme Based on SVD-DWT Domain for Stereo Signals", Proc. Of IEEE 4th. International Japan-Egypt Conference on Electronics, Communications, and Computers (JEC2016), Cairo, Egypt, 31 April-2 May, 2016.

[8] A.R. El-Shazly, F. E. Abd El-Samie, M. M. Fouad, and M. E. Nasr, "High payload multi-channel dual audio watermarking algorithm based on discrete wavelet transform and singular value decomposition", International Journal of Speech Technology December 2017, Volume 20, Issue 4, pp 951–958.

[9] A R Elshazly, Mohamed E. Nasr, M M Fouad and Fathi E. Abdel-Samie," Intelligent High Payload Audio Watermarking Algorithm Using Colour Image in DWT-SVD Domain", Journal of Physics: Conference Series, Volume 2128, 6th International conference on Advanced Technology and Applied Sciences (ICaTAS 2021), 12-14 October 2021, Cairo, Egypt.

REFERENCES
1. Prof. Mohamed ElSaid Nasr, Prof. of Electronics and Communication Engineering Tanta University, menasr2001@yahoo.com, +20 122 738 1657.
2. Prof. AbdelHameed Shaalan, Prof. of Electronics and Communication Engineering Zagazig University, shaalan_zag2010@yahoo.com,+20 100 578 5317.
3. Mr. Barry Hardman, (Germany) Technical Manager at TUV-Rheinland Arabia, a subcontractor of NITI (National Industrial Training Institute), Colleges of Excellences, Saudi ARAMCO for oil &Gas production, Saudi Arabia], https://www.tuv.com/world/en/, barry.hardman@tuv.net, +966 53 709 9245.
4. Prof. Mohamed Mohamed Fouad, Prof. of Electronics and Communication Engineering Zagazig University, fouadzu@ymail.com, +20 106 650 6970.