

Abdallah Farrage's CV



Name Abdallah Farrage AbdelRahiem Farrage.
Address Mechatronics branch, Mechanical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. (Postal Code: 71516)
Current Job Assistant Lecturer.
Citizenship Egyptian.
Date of Birth December, 27, 1985-Sohag, Egypt.
Marital status Married.
Language Arabic (native), English.
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Work Tel. +20 88 2335572
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Interests Research, Reading, Playing football, and Traveling.

Skills

Software

- MATLAB, programming.
- Automation studio.
- Control station program.
- Microsoft office.
- Internet skills.
- Electronics circuits.
- Lab VIEW.
- FORTRAN.
- SolidWork.
- Eagle.
- PLC Siemens S7 programming.
- Ability to learn any software.

Education

- **M. Sc. in Mechatronics Engineering**

- Assiut University, Assiut, 2014.
- Thesis Title: Experimental Evaluation of an Adaptive Fuzzy Control Scheme for Robotic manipulators.

- **B.Sc in Mechanical Engineering (Mechatronics Section)**

- Assiut University, Assiut, 2008.
- Commutative average grade: very good with honor degree (83.89%).
- Graduation Project Grade: Excellent.
- Project title: Electrical Elevator Control Using Programmable Logical Control.

- **During my work toward my M. Sc. degree:**

I passed successfully five graduate courses with grade **Very Good (88.4%)** which are:

- Advanced Engineering Mathematics [**Excellent**].
- Applied Electronics and Computers [**Very Good**].
- Advanced Topic in Automatic Control (Fuzzy systems) [**Very Good**].
- Advanced Topic in Automatic Control (Artificial Neural Networks) [**Very Good**].
- Advanced Topic in mechanical engineering (Electromechanical systems) [**Excellent**].

Publications:

[1] [A. Farrage](#) and A. S. Ali., “*Experimental Application of H_∞ Output-Feedback Controller on Two Links of SCARA Robot*” *Int. J. Control. Autom. Syst.*, vol. 5, no. 1, pp. 21–25, 2016.

[2] [A. Farrage](#), A. B. Sharkawy, A. S. Ali, M. S. Soliman, and H. A. Mohamed, “*Trajectory Tracking of SCARA robot with an Adaptive Neuro-Fuzzy Control scheme*” *Int. J. Eng. Res.*, vol. 3, no. 5, pp. 512–520, 2015.

[3] [A. Farrage](#), A. B. Sharkawy, A. S. Ali, M. S. Soliman, and H. A. Mohamed “*Experimental Investigation of an Adaptive Neuro-Fuzzy Control Scheme for Industrial Robots*” *J. Eng. Sci. Fac. Eng. Univ.*, vol. 42, no. 3, pp. 703–721, 2014.

Experience

➤ Assistant Lecturer

Mechatronics and Robotics Engineering, Assiut University, Egypt.

▪ Assisted in teaching the following undergraduate courses:

- Automatic Control in Mechanical Systems (MT 421)
- Automatic Control (1), (MT323)
- Mechatronics laboratory (1),(MT321)
- Mechatronics laboratory (2),(MT422)
- Industrial Process Control (MT433)
- Measuring instruments(MP 328)
- Engineering Drawing,(MC 001)
- Mechatronics (A) (MT 423)
- Electrohydraulic servo systems (MT 426)
- Engineering analysis (2),(MP 221)
- Engineering analysis (1),(MP 122)
- Engineering Drawing,(MC 001)

▪ Supervised the Following undergraduate Projects

- Mechatronics Design of X-Y-Z Positioning System, 2008-2009.
- Closed Loop Control on Wire Winder Using Torque Limiting, 2009-2010.
- Autonomous Collision Avoidance Robot, 2009-2010.
- Automatic Drilling System Using PLC, 2009-2010.
- Quality Assurance through Weighing, 2009-2010.
- Material Handling Using SCARA Robot, 2010-2011.
- Digital Control of a Rotating and Tilting Platform, 2010-2011.
- Advanced Control of Mass-Spring System, 2010-2011.
- Mechatronics design of Versatile Robot Gripper, 2011-2012.
- The design and control of high speed two link robots, 2011-2012.
- Mechatronics design of Versatile Robot Gripper, 2012- 2013.
- The design and control of high speed two link robots, 2013- 2014.

Academic Activities

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- Development of Mechatronics Courses Undergraduate Project (DMCUP), Faculty of Engineering, Assiut University.
- "The 1st Egypt-Japan Workshop on Practical Education for Mechatronics and Robotics" at Egypt-Japan University of Science and Technology (E-JUST) from 22-26 march 2014.
- Development of Mechatronics Laboratory Experiments (DMCUP) project.
- Egypt Robocon competition (Our team won third place) 2009.

AWARDS AND ACHIEVEMENTS

- Certificate of Appreciation for Effective Participation and Whole Activities in the International workshop on Mechatronics Education, February 13-14, 2006, Luxor, Egypt.
- Certificate of Appreciation for Effective Participation and Whole Activities in the Fourth Assiut University Int. Conf. On Mech. Eng. Advanced Tech. For Indus. Prod., MEATIP 4, Assiut, Egypt, December 12- 14, 2006.
- Prof. Dr. Ramadan Mohammad Sadek Award 2006.
- Prof. Dr. Mahmoud Hasan Award 2007.
- Prof. Dr. Fathy Abd Allah Hafiz Award 2007.
- First class honors from Syndicate of Egyptian Engineers 2010.

Professional Membership

- Syndicate of Egyptian Engineers
- Assiut University club of Staff Members.

Training:

- **Effective Communication Skills**, Assiut University, Assiut, June 2011.
- Effective Communication Skills in different learning type
- **Legal Aspects of the Universities**, Assiut University, Assiut, July 2011.
- **Effective Teaching**, Assiut University, Assiut, July 2011.
- **Quality Standards in Teaching**, Assiut University, Assiut, November 2012.
- **International Publishing of Research**, Assiut University, Assiut, December 2013.

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- **Research Team Management**, Assiut University, Assiut, December 2013.
- **PLC in Siemens Company**, 2009
- **Driver in Siemens Company**, 2009
- **Sensor in Siemens Company**, 2009
- **SCADA System in Siemens Company**, 2009
- **CNC Machine in Siemens Company**, 2009