



Personal Information

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| • Name: Yehia Abd ElAzim ElMashad |
| • Academic Position : Prof. |
| • Administrative Position President of Delta University |
| • Faculty: Engineering , Shoubra |
| • Department: Automatic Control and Systems |
| • Major Specialty: Automatic Control and Systems |
| • Minor Specialty: Aeronautical Engineering |
| • Current position: President of Delta University |
| • Office address: Mansoura-Gamasa city, International road |
| • Work phone: 05027740134 |
| • EduMail: president@deltauniv.edu.eg |

Academic Positions

| Lecturer | | | |
|---|------------------|-------------|-------------|
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Arab Institute for Aerospace Technology | Egypt | 1975 | 1978 |
| Lecturer/Researcher | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| High National School for Aeronautics and Space, ENSAE | Toulouse, France | 1979 | 1983 |
| Assistant Professor | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Faculty of Engineering ,Shoubra | Egypt | 1984 | 1989 |
| Adjunct professor | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Military Technical College, Banha Institute of Technology, | Egypt | 1984 | 1989 |

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| Air Academy , Aeronautical Dept., Cairo University. | | | |
| Head of Mechanical Engineering and Vice Dean | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| College of Technology at Al-Ahsaa | Saudi Arabia | 1989 | 1994 |
| Associate Professor | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Faculty of Engineering at Shoubra, Zagazig University. | Egypt | 1994 | 1999 |
| Professor & Vice Dean | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Delta Academy for Science ,Mansoura | Egypt | 2000 | 2000 |
| Dean | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Higher Institute for Computers and Information systems, Delta Academy of Science, Mansoura | Egypt | 2001 | 2006 |
| Vice Dean and General coordinator of the Industrial Engineering Program | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Faculty of Engineering at Shoubra, Benha University | Egypt | 2006 | 2010 |
| Dean | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Delta Higher Institute for Computers | Egypt | 2010 | 2014 |
| Delta Higher Institute for Engineering | Egypt | 2014 | 2015 |
| President of Delta University | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Delta University for science &Technology | Egypt | July,2015 | now |

Publications

Published over 50 Articles and Scientific Papers in National and International Journals and Periodicals in the area of: Automatic Control-Vibration-Robotics-Information System-Operation Researches-e-Learning

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| 1. Dead Time Compensation and Control of a Non-Linear Chemical Process; Journal of engineering and applied science, vol 43, Feb. 1996, pp 187-21, Faculty of Engineering, Cairo University |
| 2. Fuzzy Control of Highly Sensitive Dynamic Behavior of Variable Displacement Axial Piston Pump; 10th International Conference on Applied Mechanics and Mechanical Engineering, 14-16 May 2002, Military Technical College, Cairo, Egypt. |
| 3. Theoretical and Experimental Sensitivity Analysis and Control of Hydrostatic Transmission System; 10th International conference on Aerospace Science and aviation Technology, ASAT 10-13-15 May 2003, Military Technical College, cairo, Egypt. |
| 4. The effect of Pipe Installation on the dynamic characteristics of variable displacement axial piston pump; Mansoura Engineering Journal of Faculty of engineering, Mansoura University, Vol. 28, NO. 2, June 2003 |
| 5. Robust Control of axial Piston Pump by Eigen Vector Assignment and Sensitivity Minimization; Scientific Bulletin, Faculty of engineering, Ain shams University, Vol . 38, No 2, June 30, 2003, pp 599-612. |
| 6. Fault Detection for Hydraulic Pump Using Wavelet Analysis Technique; Scientific Bulletin, Faculty of engineering, Ain shams University, Vol . 38, No 3, September 30, 2003 |
| 7. Fault Detection: Classification through Vibration Monitoring using Artificial Neural Networks; Engineering Research Journal, Faculty of Engineering, Menoufia University vol 27 No. 1, January 2004, pp 1 -8. |
| 8. Condition Monitoring and Fault Diagnosis of Rotating Machinery using wavelet and Neural Networks approaches, Engineering Research Journal, Faculty of Engineering, Menoufia University vol 27 No. 1, January 2004, pp 15-24 |
| 9. Fuzzy Trajectory Control of a Pneumatic Servo-Mechanism; Engineering Research Journal , Faculty of Engineering, Mataria, Helwan University, vol 81, June 2002, PP 164-173 |
| 10. Fuzzy Logic control for Energy management of Air Conditioning System Based on Outdoor Conditions; International Conference for Information and Communication, ICI-2, Sopron-Hungary, 10-12 October 2002. |
| 11. Knowledg Base controller to Condensate the Roundness in the Cylindrical Plunge Grinding, Mansoura Engineering Journal of Faculty of engineering, Mansoura University, Vol. 28, NO. 2, June 2003 PP M23-M36 |

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| 12. Decision Support Systems Using Artificial Neural Networks in Predicting Single Time Point Survival; Mansoura Engineering Journal of Faculty of engineering, Mansoura University, Vol. 28, NO. 2, June 2003 PP 412-424 |
| 13. A modified Deterministic heuristic Algorithm for solving assembly line balancing problem.; The annual Conference ISSR, Cairo University, 4-6 December 1999, vol 34, Part V. |
| 14. Self-Learning Control of the DC motor by neural Network, Electronic engineering Bulletin, Faculty of Engineering at Menouf, Meoufia University, No 7, January 1994, PP 325-334 |
| 15. A Modified Stochastic Heuristic Algorithm for Solving the Assembly Line Balancing Problem; The 27th Annual Conference , ISSR, Cairo University, Egypt, Vol. 27, 1992. |
| 16. Estimation of Asymptotic stability Region of Non-Linear Rotor Bearing System, Ain Shams Bulletin Vol. 24, August 1989. |
| 17. Optimal Guidance and Control of Lunch Vehicles and Ballistic Missiles, International Conference MTC, May 1990 |
| 18. Correlation Between Vibration Measurement and Surface Quality in Grinding Operations; Faculty of Engineering Mataria Bulletin, Helwan University, Vol 11, 1989 |
| 19. Dynamics and Optimal control of a Liquid Phase Reactor, 4t international Conference sponsored by Faculty of Engineering at Shoubra and Leister University, March 1989 |
| 20. Towards A Practical E-Learning Implementation In Higher Education Using Open Source Software; ICI 7, Mansoura, Egypt, October 2007 |

Conferences & Workshop:

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| 1. Workshops and Training in the field of Quality Assurance and Accreditation |
| 2. International Conference MTC, May 1990 |
| 3. The 27th Annual Conference, ISSR, Cairo University, Egypt, Vol. 27, 1992. |
| 4. The annual Conference ISSR, Cairo University, 4-6 December 1999, vol 34, Part V |
| 5. 10th International Conference on Applied Mechanics and Mechanical Engineering, 14-16 May 2002, Military Technical College, Cairo, Egypt |
| 6. International Conference for Information and Communication, ICI-2, Sopron-Hungary, 10-12 October 2002 |
| 7. 10th International conference on Aerospace Science and aviation Technology, ASAT 10-13-15 May 2003, Military Technical College, cairo, Egypt. |
| 8. ICI 7, Mansoura, Egypt, October 2007 |
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Thesis Supervision

Supervised more than Twenty Degrees of Doctor of Philosophy (Ph.D.) and Master of Science (M. Sc.) in the above mentioned fields

Supervised PhD

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| 1.Trajectory Control for Industrial Robot | In Progress |
| 2.Robust Control in Hydrostatic Transmission System | 2003 |
| 3.Optimal design of Articulated Joint | 2002 |
| 4.Active Suspension for Vehicles | 2001 |
| 5. Control of Axial Piston Pump | 2002 |
| 6. Optimal Performance of Sea Water Desalination using Solar Energy | In Progress |
| 7.Performance of Assembly Lines balancing for Cars Factories | 2003 |
| 8. Mechanical Power Energy Management Systems | 2002 |

Supervised MSc

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| 1) Study of the behavior of Machine tools through Vibration Analysis | 1987 |
| 2) Static and Dynamic analysis of Semi-trailers by finite element methods | 1988 |
| 3) Design of a Reduced Scale Painting Robot | 1990 |
| 4) Simulation of Inventory control-Case study to a specific local industry | 1989 |
| 5) Design, Modeling and Control of a 4 d.o.f. painting Robot | 1989 |
| 6) Condition Monitoring Through Vibration Analysis | 2003 |
| 7) Predictive Maintenance of vertical Pumps through Vibration Analysis | 2004 |
| 8) Predictive Maintenance through Vibration Analysis using Artificial Neural Networks | 2004 |
| 9) Use of Vibration Analysis for Maintenance Planning in Petroleum Industries in Kuwait | 2003 |
| 10) Control of Fluid Power Systems for Force Monitoring | 2007 |
| 11) Parametric Programming for CNC M/T | In progress |

Teaching Courses

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| 1. Teaching experience at the Faculties of Engineering (Shoubra-10th of Ramadan, 6th of October, Cairo, Military Technical College) |
| 2. Visiting Professor at Texas A&M International University-System Engineering Department to teach 2 courses from June to August 2010. Computer Programming -Numerical Analysis-Automatic Control and System Dynamics and Vibration - System Analysis-Measurement-Robotics-Fluid Power System-Programmable Logic Controllers- -Computer Applications in Industrial Engineering - Operating Systems-Project Management-Reliability |
| 3. At the Higher Institutes/ Faculty of Computer Science and Information Systems IT-Computer Programming (C++-Java-Visual Basic..)-Internet Web Development (HTML)-System Analysis and Design -Computer Networks-Software Engineering-Digital and Logic Design-Logistics Information Systems-Project Management |

Committees

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Prizes and Awards

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