



Prof. Ahmad Nuseirat
Isra University President

Prof. Ahmad Nuseirat is **Professor in** Electrical Engineering. *Major:* Robotics. School of Technology, Aristotle University of Thessaloniki, Greece. Graduated in 1991.

Has a high experience in Robotice and a member in different associations such as Institute of Electrical and Electronics& Member in Engineers(**IEEE**), **IEEE** Robotics and Automation Society, Jordan Engineers Association(**JEA**) and Member of the administrative committee of **Jordanian Academicians Society**.

Teaching and working in the administrative body in different universities such as Isra University, Amman, Jordan, Amman Arab University, Amman, Jordan, Ajloun National University, Ajloun, Jordan, Al-Ahlliya Amman University, Jordan, International University for Science and Technology (IUST), Damascus ,Syria,Al-Hussein Bin Talal University, Jordan

Prof. Ahmad Nuseirat had a wide experience in organizing national and international conferences as the head of organizing committees, he is also a member of several international, Arab and local committees in the field of electrical engineering and editor-in-chief of the Journal of Electrical Engineering (JEAJEE).

He has published many scientific research papers as following

1. Ahmad M. Al-Fahed Nuseirat, Nabeel I. Tawalbeh, and Shakir Al-Musili (2017), “Economic Power Dispatch Problem via Complementarity Problem Approach”, Int. J. of Electronics and Electrical Engineering (IJEEE), 5(2), 171-177, ISSN: 2301-380X.
2. Nabeel I Tawalbeh and A.M. Al-Fahed Nuseirat (2008), “Peak and Daily Profile Estimation for Substations in Rural Networks”, Int. J. of Electrical Power and Energy Systems IJEPES, 30(3), 202-206.
3. A.M. Al-Fahed Nuseirat and R. Abu-Zitar (2007), “FIR Filter Design via Linear Complementarity Problem, Messy Genetic Algorithm, and Ising Messy Genetic Algorithm”, Int. J. of Electrical, Computer, Energetic, Electronic and Communication Engineering, 1(9), 1422-1431.

4. R. Abu-Zitar and A.M. Al-Fahed Nuseirat (2005), "A Rule Based Machine Learning Approach to the Nonlinear Multifingered Robot Gripper Problem", *Control & Cybernetics*, 34(2), 553-574.
5. A.M. Al-Fahed Nuseirat (2005), "Design of Linear Phase FIR Filters via Linear Complementarity Problem (LCP) Approach", *Int. J. of Circuit Theory and Applications*, 33(5), 353-364.
6. R. Abu-Zitar and A.M. Al-Fahed Nuseirat (2004), "An Evolutionary Based Method for Solving the Nonlinear Gripper Problem", *Int. J. of Applied Science and Engineering IJASE*, 2(3), 211 – 220.
7. A.M. Al-Fahed Nuseirat and R. Abu-Zitar (2003), "Hybrid Trajectory Planning using Reinforcement and Back Propagation through Time Techniques", *Cybernetics and Systems: An Int. Journal*, 34(3), 747 - 765.
8. R. Abu-Zitar and A.M. Al-Fahed Nuseirat (2002), "Performance Evaluation of Genetic Algorithms and Evolutionary Programming in Optimization and Machine Learning", *Cybernetics and Systems: An Int. Journal*, 33(3), 203-223.
9. H.M.A. Hamdan and A.M. Al-Fahed Nuseirat (2001), "On the Dynamic of Rigid Manipulators", *Dirasat, Engineering Science*, 28(1), 15-23.
10. M.S. Mohsen and A.M. Al-Fahed Nuseirat (2001), "Experimental and Theoretical Evaluation of the Performance of a Compact Solar Water Heater", *Dirasat, Engineering Science*, 28(2), 171-180.
11. R. Abu-Zitar and A.M. Al-Fahed Nuseirat (2001), "A Theoretical Approach of an Intelligent Robot Gripper to Grasp Polygon Shaped Objects", *J. of Intelligent and Robotic Systems*, 31(4), 397-422.
12. A.M. Al-Fahed Nuseirat and R. Abu-Zitar (2001), "Neural Network Approach to Firm Grip in the Presence of Small Slips", *J. of Robotic Systems*, 18(6), 305-315.
13. A.M. Al-Fahed Nuseirat, S.M.AR. Al-Musili (2001), "Optimum Grasp and Coordinated Manipulation by Articulated Multifingered Gripper", *Z. angew. Math. Mech. (ZAMM)*, 81(3), 185-196.
14. A.M. Al-Fahed Nuseirat and G.E. Stavroulakis (2000), "A Complementarity Problem Formulation of the Frictional Grasping Problem", *Computer Methods in Applied Mechanics and Engineering*, 190(8-10), 941-952.
15. R. Abu-Zitar and A.M. Al-Fahed Nuseirat (2000), "A Neural Network Approach to the Frictionless Grasping Problem", *J. of Intelligent and Robotic Systems*, 29(1), 27-45.

16. A.M. Al-Fahed Nuseirat, A.M.A. Hamdan, and H.M.A. Hamdan (1999), "Stability and Modal Control of an Object Grasped by a Multifingered Robot Hand", *Z. angew. Math. Mech. (ZAMM)*, 79(7), 473-479.
17. Ahmad M. Al-Fahed Nuseirat (1999), "Handling Objects with Orthotropic Surfaces by Multifingered Robot Hand", *Dirasat, Engineering Science*, 26(1), 1-15.
18. P.D. Panagiotopoulos and A.M. Al-Fahed (1994), "Robot Hand Grasping and Related Problems: Optimal Control and Identification", *Int. J. of Robotics Research*, 13(2), 127-136.
19. A.M. Al-Fahed and P.D. Panagiotopoulos (1993), "A Linear Complementarity Approach to the Articulated Friction Gripper", *J. of Robotic Systems*, 10(6), 871-887.
20. A.M. Al-Fahed, G.E. Stavroulakis, and P.D. Panagiotopoulos (1992), "A Linear Complementarity Approach to the Frictionless Gripper Problem", *Int. J. of Robotics Research*, 11(2), 112-122.
21. A.M. Al-Fahed and P.D. Panagiotopoulos (1992), "Multifingered Frictional Robot Grippers: A New Type of Implementation", *Computer and Structures*, 42(4), 555-562.
22. A.M. Al-Fahed, G.E. Stavroulakis, and P.D. Panagiotopoulos (1991), "Hard and Soft Fingered Robot Grippers. The Linear Complementarity Approach", *Z. angew. Math. Mech.(ZAMM)*, 71(7/8), 257-265.
23. G.E. Stavroulakis, P.D. Panagiotopoulos, and A.M. Al-Fahed (1991), "On the rigid body displacements and rotations in unilateral contact problems and applications", *Computer and Structures*, 40(3), 599-614.

Refereed International Conferences Proceedings

1. Muhammad Muzammal Naseer, Kamal Harb, and Ahmad Nuseirat (2016), "The Design of Sparse and Non-sparse FIR Filters Using Linear Complementarity Problem Approach", *The Eighth International Conference on Advances in Satellite and Space Communications (SPACOMM 2016)*, February 21 - 25, Lisbon, Portugal.
2. Nabeel I Tawalbeh, A.M. Al-Fahed Nuseirat, and Bashir Afaneh (2005), "Conversion Factors Behavior in Medium Voltage Rural Networks", *Int. Conference: Sciences of Electronic, Technologies of Information and Telecommunication (SETIT'2005)*, March 27-31, TUNISIA.
3. A.M. Al-Fahed Nuseirat and R. Abu-Zitar (2000), "Neural Network Architecture to Solve Linear Complementarity Problem: Application to the Grasping Problem", *Proc. of IC-AI'2000*, June 26-29, Las Vegas, USA. pp: 1587-1593.

4. Shaker Al-Musili, A.M. A. Hamdan, and A.M. Al-Fahed Nuseirat (1998), “Computer Simulation of Thyristor Controlled Static Compensators”, Proc. of 33rd Universities Power Engineering Conference, Sept. 8-10, Napier University, Edinburgh, UK.
5. A.M. Al-Fahed and P.D. Panagiotopoulos (1991), “Analysis of Metallic Robot Gripper”, 1st National Conference of Steel Structure, June 6-7, Athens, Greece.
6. A.M. Al-Fahed, G.E. Stavroulakis, and P.D. Panagiotopoulos (1990), “Form and Force Closure Grasping Problems via Linear Complementary Techniques”, Euromech 273: Unilateral Contact and Dry Friction, May 29th - June 1st, La Grande Motte, France.

Reports/Working Papers/Theses

1. “Computation and Analysis of Robot Multifingered Gripper”, doctoral dissertation, School of Technology, Aristotle University of Thessaloniki, Greece 1991.
2. “Elastic Objects in Multifingered Grippers”, Report for the BRITE project, Electronics and Computers Division, Dept. of Electrical Engineering, Aristotle University of Thessaloniki, Greece 1992.

“Engineering Education in Jordan: Reality and the future”, presented in The Second Conference for the Responsible of Engineering Education in the Arab World, organized by the Federation of Arab Engineers and the Federation of Lebanese Engineers, which was held in Beirut – Lebanon, 22-23 / 3/2012 (in Arabic).