Applicant Application Review

Full Name: Mahmoud Mohamed Elsamanty

Personal Informations

Name:	Mahmoud Mohamed Elsamanty
Gender :	1
Nationality :	Egypt
Date of Birth :	1982-01-13
Country :	ElQaluibia
City :	ElQanater Elkhieria
Address :	7 Abo Robai St. from 14 St.
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Home Number :	01009066633
Email :	elsamanty@gmail.com

Education Information

Academic Degree :	Ph.D in Mechatronics and Robotics
Academic Study :	Egypt - Japan university for science and Technology
Academic Grade :	3.73
Data Gained :	2014-10-27
From :	2011-01-09
To :	2014-09-01
Academic Degree :	M.Sc in Mechanical Engineering "Design and Production"
Academic Study :	Faculty of Engineering at Shoubra - Benha University
Academic Grade :	4
Data Gained :	2009-05-05
From :	2005-01-10
To :	2009-04-21
Academic Degree :	B.Sc in Mechanical Engineering "Design and Production"
Academic Study :	Faculty of Engineering at Shoubra - Benha University
Academic Grade :	Very Good With honor Degree
Data Gained :	2003-08-19
From :	1998-10-09

To :	2003-05-10

careers[0] Information

Emp Name :	Faculty of Engineering and Applied Sciences - Nile University
Emp Address :	26th July Corridor, Sheikh Zayed, Giza, Egypt
Emp Title :	Assistant Professor and Program Director of Mechatronics Postgraduate program
Emp Description :	All the admin works for the Program director from adapting the bylaws, supervising postgraduate students and preparing the documentation for the Assurance accreditation. In addition to, I'm teaching 9 credit hours per term. Moreover, I'm working as a team leader for the research team in the Smart Engineering Systems Research Center (SESC).
From :	2018-09-01
To :	2020-08-31
Emp Name:	Faculty of Engineering at Shoubra
Emp Address :	108 Shoubra St. Cairo
Emp Title :	Assistant Professor at Mechanical Department
Emp Description :	Teaching the under and post graduate students, in addition to, supervising the MS.c and Ph.D thesis. I have worked with the accreditation team and the faculty got the accreditation. I have supervised more than 15 graduation project over 4 years. Moreover, I have established new lab for Mechatronics Systems and Measurements.
From :	2014-09-01
To :	2018-08-31
Emp Name :	
Emp Address :	
Emp Title :	
Emp Description :	
From :	
To :	

🏛 Qualifications & Traninng

Diploma :	Teaching Strategies and Effective Learning: Faculties and Institutes of Higher
Study :	Nile University
Grade :	Pass
Course :	Teaching Strategies and Effective Learning: Faculties and Institutes of Higher
Conent :	
Organizing Body :	SCU Supreme Council of Universities

Data Gained :	2020-01-20
Data Attend :	2020-01-19
Diploma :	Exams and Students' Assessment Systems: Faculties and Institutes of Higher
Study :	Nile University
Grade :	Pass
Course :	Exams and Students' Assessment Systems: Faculties and Institutes of Higher
Conent :	
Organizing Body :	SCU Supreme Council of Universities
Data Gained :	2020-01-21
Data Attend :	2020-01-20

🏛otherqualification[0]

Research Fellowships :	non
Scientific Committees :	Lecture Note in “Novel Intelligent Leading Emerging Sciences Conference” NILES2019 IEEE under title of “5 Incredibles Soft Robotics Applications”.
list of Publications :	• M. Azziz, M.Elsamanty, S. AbdRaboo, Y. Hindy, “A Complete Identification Methodology for Identifying Parameters of Twin Rotor Multi-Input Multi-Output System (TERMS)”, Int. Journal of Science and Engineering Investigations, Vol. 8, Issue 91, PP 187-196, August 2019 • M. Elsamanty, M. Sayed, S. Abd Raboo, “Heterogeneous Teleoperation Model for Controlling 3D printed Humanoid Robot Arm with 5 DOF using 3 DOF Exoskeleton”, Journal of Control and Instrumentation, Vol. 10, Issue 2, PP 1-15 • A. A. Alphonse, A. A. Abbas, A. M. Fathy, N. S. Elsayed, H. H. Ammar and M. Elsamanty, "Modelling of Continuum Robotic Arm Using Artificial Neural Network (ANN)," 2019 Novel Intelligent and Leading Emerging Sciences Conference (NILES), Giza, Egypt, 2019, pp. 191-195. doi: 10.1109/NILES.2019.8909308 • Elkholy H.A., Shahin A.S., Shaarawy A.W., Marzouk H., M. Elsamanty (2020) “Solving Inverse Kinematics of a 7-DOF Manipulator Using Convolutional Neural Network”, Proceedings of the International Conference on Artificial Intelligence and Computer Vision (AICV2020). • M. Elsamanty, A. Mostafa, A. Ibrahim, “Dynamic Characteristics Study of Re-Entrant Honeycomb Auxetic Structure for AL6082”, Journal od the Egyptian Society of Tribology, Vol. 17, No. 3, July 2020, pp. 37 - 47 ISSN 2090 - 5882 • M. Elsamanty, M. Fanni A. Ramadan and A. Abo- Ismail, K. Kamiyama, T. Arai, Design Improvements and dynamic modeling of a Novel Hybrid Ground Aerial Robot, on the 14th International Symposium on Construction Robotics SCR2104, 26-28 Aug, Tokyo, Japan, 2014. • M. Elsamanty, M. Fanni A. Ramadan and A. Abo- Ismail,”Modeling and Control of a Novel Hybrid Ground Aerial Robot”, International Conference of Mechatronics and Automation ICMA2013, 4-7 Aug, Takamatsu, Japan, 2013. Published • M. Elsamanty, A. Khalifa, M. Fanni and A. Ramadan, Methodology for identifying quadrotor parameters, attitude estimation and control”, International Conference on Advanced Intelligent Mechatronics (AIM2013) IEEE/ASME, July 9-12, Wollongong, Australia, 2013. Published • M. Elsamanty, M. Fanni and A. Ramadan,”Novel Hybrid Ground/Aerial Autonomous Robot”, International Conference on Innovative Engineering Systems (IEEE-RAS ICIES2012), Dec. 7-9, Egypt, 2012. • A. A. Ibraheem, S. M. Abdrabbo, H Gheith, M. Abdel Salam, and M. Elsamanty, "Online Tool Wear Monitoring in Turning Using Vibration Analysis and Artificial Neural Network”, Transactions of ASJME, Vol. 2, PP 201-212, October, (2009). Submitted Papers • Design and implementation of variable inclined air pillow soft pneumatic actuator for bio-impedance applications • Experimental Path tracking optimization and control of a nonlinear skid steering tracked mobile robot • Kinematic Analysis of a Novel 6 Degrees-of-Freedom Hybrid Parallel- Serial Robot: Simulation Study
Conferences Attended :	Novel Intelligent and Leading Emerging Sciences Conference (NILES) 2019
Patents :	non
Research Grants (Awarded As PI) :	non

Contributed As Co-Pi :	1. BEMT – Project (Integrating Blended Entrepreneurial and Manufacturing Technology Competency into Soco-economic Development in Egypt). (Technical Project Director) Project number: (561929-epp-1-2015-1-ES-EPPKA2- CBHE –JP) The project is ended by 30 -9 - 2018 and funded by Erasmus Program + 2. VET – ENG Project (Blended Vocational Engineering Industry Shared Learning Environment for Stream of Socially- and Technically-Competent Technicians and Engineers/VET-ENG. (Technical Project Director) Project number: (574114-EPP-1-2016-1-FI-EPPKA2-CBHE-JP) The project is ended by 14 -9 - 2019 and funded by Erasmus Program + 3. Innovative Lifelong e-Learning for Professional Engineers (e-ProfEng) (Technical Project Director) Project number: (586391-EPP-1-2017-1-SE-EPPKA2-CBHE-JP) The project is ended by 30 -9 - 2020 and funded by Erasmus Program + 4. Development and Manufacturing of Soft Actuated Under Water Robots (SUWR) The Project Starts 1 -7 – 2020 and funded by ASRT with Budget 1.5 Millon (Co-PI) The project is ended by 30 -9 - 2021
Supervision of Postgraduate Students :	1. Mahmoud Salah, Design and implementation for Soft Pneumatic Actuator, Faculty of Engineering and Applied Sciences – Nile University 2. Menna Allah Hefny, Novel design of Soft Pneumatic Actuator to bend and twist, Faculty of Engineering and Applied Sciences – Nile University 3. Mohamed Hesham, Path tracking optimization and control of a nonlinear skid steering tracked robot, Faculty of Engineering and Applied Sciences – Nile University 4. Ahmed Emad, Design and Control of a NOVEL 7 DOF parallel to serial Manipulator, Faculty of Engineering at Shoubra, Benha University, 2018 – Present. 5. Baher Mohamed, Solving Inverse Kinematics and Path planning for mobile manipulator with 5 DOF, Faculty of Engineering at Shoubra, Benha University, 2018 – Present. 6. Nourhan Hafaz, Adaptive soft gripper for grasping irregular objects, Faculty of Engineering at Shoubra, Benha University, 2018 – Present. 7. Ehab Awadallah, an adaptive grasping tool for 6 DOF Serial Manipulator, PhD Thesis, Production Engineering, Faculty of Engineering at Shoubra, Benha University, 2016 – Present. 8. Mohamed Azizz, Control Algorithm of Hybrid Twin Rotor, M.Sc. thesis, Production Engineering, Faculty of Engineering at Shoubra, Benha University, 2016 – Present. 9. Mohamed Medhat, An adaptive Learning Algorithm for Predicting forward and inverse Kinematics for 5 DOF Articulated Robot, M.Sc. thesis, Mechatronics Engineering, Universite Francaise d'Egypte, 2016 – 2017. 10. Mahmoud Yassin, Design and Control of an adaptive grasping tool for 6 DOF Serial Manipulator, M.Sc. thesis, Mechatronics Engineering, Universite Francaise d'Egypte, 2016 – Present. 11. Mina George, Position control of 6 DOF Serial Manipulator based on VSLAM, M.Sc. thesis, Mechatronics Engineering, Universite Francaise d'Egypte, 2016 – Present. 12. Ali Megahid, An Adaptive trajectory Planning for 6 DOF Robotic System" , M.Sc. thesis, Mechatronics Engineering, Universite Francaise d'Egypte, 2016 – Present.

🏛References Employer

Name :	Saber AbdRabbo
Position :	Professor of Automatic Control and Mechatronics
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