



NAME: ANDREW NABIL AZIZ MAKAR

CURRENT POSITION: ASSISTANT RESEARCHER

<p>PERSONAL INFORMATION</p>	<p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p>	<p>Andrew Nabil Aziz Makar Informatics Research Institute, City of Scientific Research and Technological Applications Borg El-Arab, Alexandria, Egypt +20-1272290744 anabil@srtacity.sci.eg https://scholar.google.com.eg/citations?user=1Cy1r4AAAAAJ&hl=en</p>
<p>EDUCATION</p>	<p>M.Sc. of mechanical engineering, 2018 Faculty of Engineering, Alexandria University, Alexandria, Egypt</p> <p>B.Sc. of mechatronics and robotics engineering, 2012 Faculty of Engineering, Assiut University, Assiut, Egypt</p>	
<p>ACTIVITIES</p>	<p>Scientific Activities</p> <p>Second Winter School on CFD applications (COMSOL), Jan 27 to Feb 7 2019 Informatics Research Institute, SRTA City, Borg Al Arab, Alexandria, EGYPT.</p> <p>First Winter School on CFD applications (COMSOL), Jan 29 to Feb 9 2017 Informatics Research Institute, SRTA City, Borg Al Arab, Alexandria, EGYPT.</p> <p>Digital modeling of the temple of Hatshepsut using 3D-laser scanner, 2017 Participated as a team leader in the project which is funded by Academy of Scientific Research and Technology, assembly of the point cloud recorded data using I-site software.</p> <p>Development of ship simulator with six degree of freedom (6 DOF), 2017 Participated as a team leader in “Development of ship simulator with six degree of freedom (6 DOF)”, funded by Academy of Scientific Research and Technology (ASRT), control, Kinematic and Dynamic Analysis of 6 DOF Simulator</p> <p>Solar-Greenhouse-Desalination System Self productive of Energy and Irrigating Water Demand. 2016 Participated as a team member in the project which is funded by STDF/NCP, grant No: 10495, Simulation of Greenhouse system.</p>	

	<p>Administrative Activities Maintenance of HVAC in the center for the development of the pharmaceutical, pharmaceutical and brewing industries building tender, Alexandria, Egypt 2017</p> <hr/> <p>Extra-curriculum Activities Volunteer for STEM school students in their Capstone projects. Leader of team consisting of three students in “Automated Immersing Machine Unit Controlled by PLC” graduation project.</p>
<p>GRANTS & AWARDS</p>	<p>Awards Award for Excellence 2009-2012 every year from Faculty of Engineering, Assiut University SRTA-City award for participating in “Maintenance of HVAC in the center for the development of the pharmaceutical, pharmaceutical and brewing industries tender, 2017 Alexandria, Egypt.</p>
<p>LIST OF PUBLICATIONS</p>	<p>Refereed Journal Articles Wael M. El-Maghlany, Andrew N. Aziz, M. Elsayed Youssef, and Mohammed A. Hassab, modeling and parametric study of a Direct Methanol Fuel Cell (DMFCs) to optimize the operating conditions for different channel shapes (Submitted in august 2017, to Alexandria Engineering Journal, status: under review)</p> <p>Refereed Conference Articles Andrew N. Aziz, M. Elsayed Youssef, Mohammed A. Hassab, and Wael M. El-Maghlany, Performance analysis of DMFC and PEMFC numerically with models validation, Int. Conf. on science, Technology, Engineering and Management. ICSTEM, Cairo, Egypt. (2018) 14–17. Andrew N. Aziz, Omar O. Rabhy, M. Elsayed Youssef, “Modeling and Experimental investigation for PEMFC to achieve high Fuel Cell performance”, First International Conference On New Trends For Sustainable Energy (ICNTSE), Pharos University, Alexandria, Egypt, (ISSN: 2357-0865, paper Code: 03A3), 2016.</p>