



NAME: OMAR OSAMA RABHY AREF

CURRENT POSITION: ASSISTANT RESEARCHER

<p><b>PERSONAL INFORMATION</b></p>	<p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p>	<p>Omar Osama Rabhy Aref Informatics Research Institute, City of Scientific Research and Technological Applications Borg El-Arab, Alexandria, Egypt +201201194524 oosama@srtacity.sci.eg <a href="https://scholar.google.com.eg/citations?user=VHIW7f0AAAAJ&amp;hl=ar">https://scholar.google.com.eg/citations?user=VHIW7f0AAAAJ&amp;hl=ar</a></p>
<p><b>EDUCATION</b></p>	<p><b>M.Sc. of mechanical engineering, 2018</b> Faculty of Engineering, Alexandria University, Alexandria, Egypt</p> <p><b>B.Sc. of mechanical engineering, 2011</b> Faculty of Engineering, Alexandria University, Alexandria, Egypt</p>	
<p><b>ACTIVITIES</b></p>	<p><b>Scientific Activities</b></p> <p><b>Second Winter School on CFD applications (ANSYS), Jan 27 to Feb 7 2019</b> Informatics Research Institute, SRTA City, Borg Al Arab, Alexandria, EGYPT.</p> <p><b>First Winter School on CFD applications (ANSYS), Jan 29 to Feb 9 2017</b> Informatics Research Institute, SRTA City, Borg Al Arab, Alexandria, EGYPT.</p> <p><b>Digital modeling of the temple of Hatshepsut using 3D-laser scanner, 2017</b> 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><b>Multipurpose Applications by Thermodynamic Solar (MATS), 2017</b> Participated as a member in the project which is funded by FP7-ENERGY2010-2, grant No. 268219, Simulation of overall Solar Power and MED desalination Plant.</p> <p><b>Solar-Greenhouse-Desalination System Self productive of Energy and Irrigating Water Demand. 2016</b> Participated as a team member in the project which is funded by STDF/NCP, grant No: 10495, Simulation of Greenhouse system.</p>	

	<p><b>Administrative Activities</b></p> <p>Maintenance of HVAC in the center for the development of the pharmaceutical, pharmaceutical and brewing industries building tender, Alexandria, Egypt 2017</p> <hr/> <p><b>Extra-curriculum Activities</b></p> <p>Volunteer for STEM school students in their Capstone projects.</p> <p>Leader of team consisting of three students in “Energy Saving in Refinery” graduation project.</p>
<p><b>GRANTS &amp; AWARDS</b></p>	<p><b>Awards</b></p> <p>Award for Excellence 2008-2011 every year from Faculty of Engineering, Alexandria University</p> <p>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><b>LIST OF PUBLICATIONS</b></p>	<p><b>Refereed Journal Articles</b></p> <p><b>Omar O. Rabhy</b>, I. G. Adam, M. Elsayed Youssef, A. B. Rashad, and G. E. Hassan, “Numerical and experimental analyses of a transparent solar distiller for an agricultural greenhouse,” Applied energy, vol. 253, 2019. (Impact Factor of Applied energy journal: 8.426)</p> <p><b>Refereed Conference Articles</b></p> <p><b>Rabhy O. O.</b>, Adam I. G. , Youssef M. E. , Hassan G. E. and Rashad A. B, “Experimental study on a new transparent passive solar distiller in a novel agricultural greenhouse ,” proceeding of 11th International Conference on The Role Of Engineering Towards A Better Environment (RETBE’17) 18-20 December 2017, Alexandria, Egypt, pp. 1-14, 2017.</p> <p>Andrew N. Aziz, <b>Omar O. Rabhy</b>, 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>