



PROF. MOHAMED ABDELRAHMAN ABDOU

DEAN – INFORMATICS RESEARCH INSTITUTE

<p>PERSONAL INFORMATION</p>	<p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p>	<p>Mohamed AbdelRahman Abdou Professor IRI Institute – SRTA- City +201111 88 30 60 mabdou@srtacity.sci.eg</p>
<p>EDUCATION</p>	<ul style="list-style-type: none"> • June 2019, Full Professor - Communications & Computer Systems Engineering, Ministry of Higher Education and Research, Egypt. • July 2012, Associate Professor - Communications & Computer Systems Engineering, Ministry of Higher Education and Research, Egypt. • September 2006, Ph.D. "Biomedical Engineering: Modified Methods for Medical Image Processing, Telemedicine, and Archiving", Electrical Engineering Department, Faculty of Engineering, Alexandria University. • November 2000, M.Sc. "Fuzzy Logic in Robotics: An Inverse Fuzzy Genetic Algorithm for Robot Manipulators", Electrical Engineering Department, Faculty of Engineering, Alexandria University • June 1996, B.Sc. Electrical Engineering, Faculty of Engineering, Alexandria University. Grade: Very Good with honor (ranked 6th among 250 students) 	
<p>ACTIVITIES</p>	<ul style="list-style-type: none"> • Head KTT (Knowledge Technology Transfer), SRTA-City • Academic Chancellor, Electrical Engineering Department, Pharos University • Teaching experience at university level (undergraduate/ postgraduate) for more than 20 years. Teaching in different engineering disciplines (Electrical Engineering- Computer Engineering – Engineering Mathematics). • Outstanding Distance Learning experience 	

	<ul style="list-style-type: none"> • Board Member, Informatics Research Institute Council, City for Scientific Research and Technology Applications, September 2018. • Board Member, Pharos University and Royal Institute of Technology (KTH) joint BSc. Dual Degree, September 2012, www.kth.se • Board Member, Faculty of Engineering Council, Pharos University in Alexandria • Board Member, Education Affairs Committee, Faculty of Engineering, Pharos University in Alexandria • Consultant, Institute of International Education (IIE), www.iie.org • Consultant, Bordeaux University in France & Alexandria University joint Master Program « Mastère a distance en Neurobiologie », 2010-2013. • Consultant, Alex4You Training Company. • Member of Egyptian Syndicate.
	<p>Administrative Activities</p> <p>2019- Dean, Informatics Research Institute, SRTA-City</p> <p>2018-2019 Head of Knowledge Based Systems Department, IRI, SRTA-City</p> <p>2012-2018 Head of Electrical Engineering Department, Faculty of Engineering, Pharos University</p>
	<p>Extra-curriculum Activities</p> <ul style="list-style-type: none"> • Consultant, Entrepreneurship Center • ITAC consultant, The Ministry of Communication & Information Technology, www.itida.gov.eg

<p>GRANTS & AWARDS</p>	<p>Awards</p> <ul style="list-style-type: none"> • June 2019, second place winner Birla Carbon competition first award, "Towards a sustainable Future", Egypt. • June 2018, winner, Birla Carbon competition first award, "Towards a sustainable Future", Egypt. • May 2018, winner, third award, Microsoft Innovative Cup, Egypt. • February 2015, winner of Smart-Sec Innovative Competition, "Use of Smart Devices Security", Khalifa University, United Arab Emirates. • July 2011, <u>fellowship from US- Department of State</u>, "International Leadership Program: Science & Education", USA. <ul style="list-style-type: none"> ✓ Specific and intensive training on the "STEM (Science Technology Engineering Mathematics)" education system. ✓ Training on "Inquiry Based Education" system applied in USA from early childhood to graduate schools level.
<p>LIST OF PUBLICATIONS</p>	

Authors	Journal/ Conference	Date/Rank
S. ElMorsy M. Abdou Y. Hassan A. Said	Liver Tumor Localization Using an Integrated Hybrid Fuzzy Seed Point Region Growing Algorithm, Applied Mathematics & Information Sciences, AMIS, Vol. 13 (S1), pp. 371-380. https://dx.doi.org/10.18576/amis/13S140	2019 H Index = 31
S. ElMorsy Y. Hassan M. Abdou A. Said	Quantum Inspired Rough Fuzzy C-Means Clustering for Liver Tumor Segmentation , Innovation, computing, Information, and Control ICIC-Express Letters, Vol. 13 (8), August 2019, http://doi.org/10.24507/icicel.13.08.689	2019 H-Index = 19
A.H.Malek M. Abo ElHassan M.A. Abdou	Power Allocation Scheme and Performance Analysis for Multiuser Underlay Full-Duplex Cognitive Radio Networks with Energy Harvesting , IEEE Access. 10.1109/ACCESS.2018.2875417	Oct. 2018 H-Index = 36 Impact Factor = 3.7
M.A. Abdou	An Enhanced Training- Based Arabic Sign Language Virtual Interpreter Using Parallel Recurrent Neural Networks , Journal of Computer Science, 14 (2), pp. 228-237, February 2018. ISSN: 15493636 http://doi.org/10.3844/jcssp.2018.228.237	Feb 2018 H-Index = 21
A.H.Malek M.Abo ElHassan M.A. Abdou	Power Allocation for Full Duplex MISO Underlay Cognitive Radio Networks with Energy Harvesting , IEEE- ICC 2018	May 2018 H-Index = 52
H.S. Ibrahim M.A. Abdou R.AbdelRahman	A Fast Interest Points Feature Descriptors Algorithm for Mobile Image Retrieval Applications, International Journal of Computer Applications ISSN: 0975 – 8887 Volume 180 (9)	January 2018 Impact Factor 0.752
M.A. Abdou Ashraf Sayed Eman Ali	An advanced Automatic Fuzzy Rule Based Algorithm for 3D Vessel Extraction International Journal of Computational Intelligence Systems, Volume 11 (2018), pp.79-85. ISSN: 1875-6891	2018 Impact Factor = 1.14
S. Girguis, M. A. Abdou, A. Elnaggar	A Hybrid Fuzzy Multi-Hop Unequal Clustering Algorithm for Dense Wireless Sensor Networks, International Journal of Computational Intelligence Systems, Volume 10(2017) ISSN: 1875-6891	2017 Impact Factor = 1.14
M.A.Abdou S.Darwish	Dual Tree Complex Wavelet with Adaptive Decision Based Median Filter for Medical Image Restoration, International Journal of Computer Science and Information Security, Volume 15(4), April 2017 ISSN: 1947-5500	April 2017 Impact Factor 0.591
Maha Fathy, B. Mokhtar, M.A.Abdou, M. R. M. Rizk	Extended Study towards Performance Improvement of Cloud-RAN, IWCMC 2017, The 13th International Wireless Communications and Mobile Computing Conference	June 2017 H-Index =24
Eman Ali M. A. Abdou Ashraf Sayed	Automatic Vessel Extraction Using Particle Swarming Optimization for 3D medical Images, Current Medical Imaging Reviews, Volume 13, 2017, ISSN: 1875-6603 (online)- ISSN: 1573-4056 (print)	April 2017 H-Index = 21 Impact Factor 0.933

M. Saleh M. A. Abdou M.AboElHassan	Assessing the Use of IP Network Management Protocols in Smart Grids, ACS/IEEE- AICCSA2016	Nov. 2016 H-Index =11
S.A.Mohamed M.A.Abdou Y.F.Hassan	A Cascaded Speech to Arabic Sign Language Machine Translator Using Adaptation, International Journal of Computer Applications ISSN: 0975 – 8887 Volume 133, No.5 http://doi.org/10.5120/ijca2016907799	January 2016 Impact Factor 0.752
M. A.Abdou A. A.Saleh	A Robust Time Efficient Watermarking Technique for Stereo Images, Journal of Computational Engineering, ISSN: 2356-7260, Vol.2015, http://dx.doi.org/10.1155/2015/964385	July 2015
S. A.El morsy M. A. Abdou Y. F. Hassan A. Elsayed	A Region Growing Liver Segmentation Method with Advanced Morphological Enhancement, 32 nd National Radio Science Conference (NRSC 2015), March 24-26, 2015 http://ieeexplore.ieee.org/document/7117857/ DOI:10.1109/NRSC.2015.7117857	March 2015 H-Index =14
M. A. Abdou M. H.Fathy	An Efficient Real Time Hybrid Face Recognition Algorithm in Java Environment, European Journal of Engineering and Technology (EJET), ISSN: 2056-5860, Volume 3, No.2, pp. 44-53	February 2015
M.R.M.Rizk M.A.Abdou S..AbdElDayem	An Optimum Distributed Energy Balanced Algorithm for Wireless Sensor Networks, Alexandria Engineering Journal, Vol 52, Issue 1, pp 13-18 https://doi.org/10.1016/j.aej.2012.07.006	March 2013 H-Index = 22 Impact Factor 0.817
A. A.Saleh M. A.Abdou	Evolutionary Computation Methods in Image Watermarking, International Journal of Computer Applications ISSN: 0975 – 8887 Volume 63, No.10 http://doi.org/10.5120/10499-5263	February 2013 Impact Factor 0.752
O.Hosam B.A.Bayomy M.A.Abdou	Public Watermarking Scheme for 3D Laser Scanned Archeological Models The 17 th IEEE Symposium on Computers and Communication (ISCC'12).	April 2012
M.Khalil M.A.Abdou M. Mansour H.Farag M.Ossman	A Cascaded Fuzzy LOPA Risk Assessment Model Applied in Natural Gas Industry, Journal of Loss Prevention in the Process Industries, Volume 25, Issue 6, November 2012, Pages 877-882	November 2012 H-Index =56
M.B.Tayel M.A.Abdou A.Elbagoury	An Efficient Thresholding Neural Network Technique for High Noise Densities Environments, International Journal of Image Processing (IJIP), Volume (5), Issue (4), 2011. ISSN:1985-2304	September 2011 H-Index =5
M.A.Abdou	A Fuzzy-Wavelet Based Approach to a Novel Image Denoising Engine, IASTED, The International Journal of Computers and Applications (Canada), Vol. 33, No. 4, pp.335-340, 2011. ISSN: 1206-212X	September 2011
M.A.Abdou	Particle Swarm Optimization for Nano-Particles Extraction from Supporting Materials, International Journal of Image Processing IJIP, Vol. 5, Issue (3), 2011. ISSN:1985-2304	July 2011 H-Index =5

B.A.Youssef W.M. Sheta M.A.Abdou	Efficient Registration of Range Images Using Wavelet Features, International Journal of Computers and Their Applications (IJCA), Vol. 18, No. 2, June 2011. ISSN: 1076-5204	June 2011 H-Index =4
M.A. Abdou B.A.Youssef W.M. Sheta	Nano-particle Characterization Using A Fast Hybrid Clustering Technique for TEM Images, International Journal of Computer Science and Information Security (IJCSIS), Vol. 8, No. 7 ISSN: 1947-5500	December 2010 IF = 0.591
M.A.Abdou A.Konsowa M.Ossman	Fuzzy- based Simulation Model for Decolorization of Industrial Waste Water, Journal of Applied Sciences Research, 4 (2), pp. 178- 187. ISSN: 1819-544X	February 2008 H-Index =16
M.A.Abdou	An Introduced Blocked-Wavelet Algorithm for Signal and Time Improvements of Images with Multiple Regions, 10th IASTED International Conference on Computer Graphics and Imaging, pp.34- 39, Innsbruck, Austria. ISBN:978-0-88986-719-2	February 2008 H-Index =6
M.A.Abdou M.B.Tayel	An Automatic Bi-channel Compression Technique for Medical Images, International Journal of Robotics and Automation, Vol. 23 (1), 2008. ISSN: 0826-8185	2008 H-Index =22
M.Tayel M.A.Abdou	A Neuro- Difference Fuzzy Technique for Automatic Segmentation in Medical Imaging, 23 rd National Radio Science Conference (NRSC 2006), Egypt	March 2006 H-Index =10
M.Tayel M.A.Abdou	A Hybrid Segmentation and Compression Channel for Medical Images with Region of Interest, WSEAS Transactions on Signal Processing, Issue 2, Vol. 2, pp. 245-252	2006 H-Index =12
M.Tayel M.A.Abdou	Fast and Reduced-Bit Zerotree Coding Algorithm for Progressive Transmission of Medical Images, IASTED International Conference 2005, Novosibirsk, Russia	July 2005
M.Tayel M.Abdou	Fuzzy Genetic Control and Optimization of Decentralized Robot Manipulators, 10 th ICCTA International Conference, Egypt	August 2000