

Curriculum Vitae

Mona Mohammed Abd El-Kareem, P.hD
Lecturer in High Institute of commercail science and computer

**** Mona M. Abd El-Kareem... ..**



In 2005, she received B.SC in Computer Science and Pure Mathematics from the Faculty of Science, Suez Canal University, Egypt. In 2009, she received M.SC with title "Image Registration by Genetic Algorithms" from the Mathematics Department, Faculty of Science, Suez Canal University, Ismailia, Egypt. In 2015, she received P.hD with title "The Integration of Image Reconstruction and Lesion Detection in Tomographic Imaging" from the Mathematics Department, Faculty of Science, Suez Canal University, Ismailia, Egypt. ,Working as a Lecturer in High Institute of commercail science and computer.

**** Academic Degrees and Transcripts... ..**

- **P.hD** : Mathematics (computer science) Department
: Faculty of Science ,**Suez Canal University (2015), Ismailia, Egypt**
Title :The Integration of Image Reconstruction and Lesion Detection in Tomographic Imaging
Supervisors : Prof. Dr. Ismail Amr Ismail, Assistant.Prof. Nagwa Sherif and Dr. Mahmoud M.M.H. El-Arabawy
- **M.SC** : Mathematics (computer science) Department
: Faculty of Science ,**Suez Canal University (2009), Ismailia, Egypt**
Title : Image Registration by Genatic Algorithms
Supervisors : Prof. Dr. Ismail Amr Ismail and Dr. Mahmoud M.M.H. El-Arabawy
- **B.SC** : Mathematics Department
: Faculty of Science ,**Suez Canal University (2005), Ismailia, Egypt**
Degree : good
Project : Excellent

**** Educational Experiences and background...**

- Working an instructor of Computer courses in University Education Development Center ,Suez canal university, Ismailia, Egypt and computer programming using various languages as: C++ , Vb6 , primary course SQL , primary course for java,Matlab,TORA,Python.
- ICDL Certification :- Skill Card Number [EGY3001225].

**** Published Papers in International Periodical Refreed Journals**

- I.A.Ismail , **M.M.Abd El-Kareem** , N.A.Ali , E.Awadeen " Image Registration By Genetic Algorithms ", Egyptian Computer Science Journal ECSJ (Egypt), Jan.2008
<http://net.shams.edu.eg/ecs/Contents.htm>
- I.A.Ismail, Mahmoud M.M.H. El-Arabawy, **Mona M. Abd El-kareem** " Use of Statistical moments Invariance ", International Journal of Computer Science and Systems ,Feb.2009
<http://www.universaljournals.eu/IJCSS.aspx>
- Ibrahiem M. M. El Emary and **Mona M. Abd El-Kareem** " On the Application of Genetic Algorithms in Finger Prints Registration " World Applied Sciences Journal,2008
[http://www.idosi.org/wasj/wasj5\(3\)2008.htm](http://www.idosi.org/wasj/wasj5(3)2008.htm)
- Ibrahiem M. M. El Emary and **Mona M. Abd El-Kareem** " Towards Using Genetic Algorithm for Solving Nonlinear Equation Systems " World Applied Sciences Journal,2008
[http://www.idosi.org/wasj/wasj5\(3\)2008.htm](http://www.idosi.org/wasj/wasj5(3)2008.htm)
- Ibrahiem M. M. El Emary and **Mona M. Abd El-Kareem** " Using Statistical Moment's Invariance in Image Registration Process " Scientific Bulletin of the University of Pitesti : Electronic and Computer Science,2009
<http://www.orar.upit.ro/DocManagerPub/PublicSite/Main.aspx?cid=14>
- Ibrahiem M. M. El Emary and **Mona M. Abd El-Kareem** " Finger Prints Recognition Using A New Plat Form Of Genetic Algorithms " Scientific Bulletin of the University of Pitesti : Electronic and Computer Science,2009
<http://www.orar.upit.ro/DocManagerPub/PublicSite/Main.aspx?cid=14>
- Ibrahiem M. M. El Emary , Al Dahoud Ali , **Mona M. Abd El-Kareem** " Solving Min-Max Problems Using Genetic Algorithm " Scientific Bulletin of the University of Pitesti : Electronic and Computer Science, No. 2 /2009
<http://www.orar.upit.ro/DocManagerPub/PublicSite/Main.aspx?cid=14>
- Al Dahoud Ali , Ibrahiem M. M. El Emary , **Mona M. Abd El-Kareem** " Application of Genetic Algorithm in Solving Linear Equation Systems " MASAUM Journals of Basic and Applied Science, No. 2 / 2009.
<http://www.orar.upit.ro/DocManagerPub/PublicSite/Main.aspx?cid=14>
- **Mona M. Abd El-Kareem** "Comparative Study between Linear and Graphical Methods in Solving Optimization Problems" IAENG International Journal of Computer Science, No.1/ 2010.
http://www.iaeng.org/IJCS/issues_v37/issue_1/IJCS_37_1_13.pdf
- Mahmoud El-Arabawy and **Mona M. Abd El-Kareem** "The Performance of Genetic Algorithm and Linear Programming in Solving M×N Game" Advances in Computer Science and Engineering, Feb. 2011.
<http://pphmj.com/abstract/5615.htm>

- *I.A.Ismail ,nagwa shrief, Mahmoud M.M.H. El-Arabawy, **Mona M. Abd El-kareem** "fitting a Set Of Data Points To Fourier Series Expansions "No.2/2014
<http://warse.org/ijatcse-current-322014.html>*
- *I.A.Ismail ,nagwa shrief, Mahmoud M.M.H. El-Arabawy, **Mona M. Abd El-kareem** "Filtering using lowest measurable frequencies" No.2/2014
<http://warse.org/ijatcse-current-322014.html>*
- *Ibrahiem M. M. El Emary and **Mona M. Abd El-Kareem** " Moments Invariants Versus Genetic Algorithme in Pattern Recognition Process"*

**** Accepted Papers in Refreed International Conferences... ..**

- *Ibrahiem M. M. El Emary , Al Dahoud Ali , **Mona M. Abd El-Kareem** " Solving Min-Max Problems Using Genetic Algorithm " 4TH International Conference on Information Technology (held in Al-Zaytoonah University, Amman, Jordan on June 3-5, 2009)*
- *Al Dahoud Ali , Ibrahiem M. M. El Emary , **Mona M. Abd El-Kareem** " Application of Genetic Algorithm in Solving Linear Equation Systems " 4TH International Conference on Information Technology (held in Al-Zaytoonah University, Amman, Jordan on June 3-5, 2009)*
- ***Mona M. Abd El-Kareem** , Ibrahiem M. M. El Emary , " Towards Developing an Advanced Methodology for Image enhancement based on Z-transform " International Conference on Communication, Management and Information Technology (held in Technical University of Madrid, Madrid, Spain on April 2-4, 2018)*

**** Languages... ..**

Arabic: Mother Language

English : Excellent (Read, Write and speak)