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Biographical sketch:
(Academic Degrees-
Fellowships and
Associations)

- Doctor of Philosophy in Electrical Engineering, may 2007.
- Master of Science in Electrical Engineering, April 2000.
- B.Sc. in Electrical Engineering, June 1983.
- B.Sc. in Science, August 1982.

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| <p>Publications:</p> | <ol style="list-style-type: none"> <li data-bbox="535 158 1382 323">(1) Texture feature information and methodology of supervised classification for machined services using neural network", <i>The 9th World Multi-Conference on Systemics, Cybernetics and informatics, MSCl 2005, July 10-13, 2005- Orlando, Florida, USA.</i> <li data-bbox="535 330 1382 498">(2) "A surface Texture Classifier and Roughness Estimation based on Neural Network and Feature Extraction Techniques", <i>the international conference on computer & communication engineering (ICCCE'06) ", 15-23, 2006, Kuala Lumpur, MALISIA.</i> <li data-bbox="535 505 1382 606">(3) "Estimation of rms Surface Slope Using Numerical Gradient Based on Gabor Transformation" <i>Alex Egypt PEDAC 10-12 february 2009.</i> <li data-bbox="535 612 1382 747">(4) "Neuro Identifier for Synthetic Aperture Radar Image Based on Range Doppler Algorithm" <i>International Conference on Modeling, Simulation and Control (ICMSC) 2-4 November 2010 Cairo, Egypt.</i> <li data-bbox="535 753 1382 888">(5) "Online Quality Monitoring of Perforated Steel Strips Using an Automated Visual Inspection (AVI) System" <i>Quality and Reliability (ICQR), 2011 IEEE International Conference 14-17 Sept. 2011, Bangkok.</i> <li data-bbox="535 895 1382 1089">(6) "Performance of Parallel Concatenated Convolutional Codes (PCCC) with BPSK in Nakagami Multipath M-Fading Channel" <i>International Journal on Advanced Science, Engineering and Information Technology, Vol.2, (2012) No. 5 ISSN: 2088-5334.</i> <li data-bbox="535 1096 1382 1224">(7) "Micro- Doppler Detection and Target Identification using Artificial Neural Network" <i>Aerospace Conference, 2012 IEEE , 3-10 March 2012, Big Sky, MT,USA.</i> |
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| | <p>(8) “A proposed Method for Detecting the Chaotic Behaviour in Dynamical Systems” <i>16th International Conference on Applied Mechanics and Mechanical Engineering, (AMME-16), May 27-29, 2014, Cairo, Egypt.</i></p> <p>(9) “Removal of High Density Impulsive Noise in Image Using Non Linear Filters” <i>Seventh International Conference on Computational Intelligence, Modelling and Simulation 27:29-7-2015 Cuantan-Malaysia.</i></p> <p>(10) “Monitoring and Analysis for On/off Faults in Microstrip Rectangular Patch Array Antenna By Means Of Characteristic Parameters” <i>19th International Conference on Circuits, Systems, Communications and Computers, (CSCC 2015), Zakynthos Island, Greece, July 16-20, 2015.</i></p> <p>(11) “Texture-based Classification of Workpiece Surface Images using the Support Vector Machine” <i>International Journal of Software Engineering and Its Applications, Vol. 9, No. 10 (2015), pp. 147-160.</i></p> <p>(12) “High Density Noise Removal in Endangered Silent-Films Using Non-linear Filters” <i>Menoufia Journal of Electronic engineering Research (MJEER) 2015.</i></p> <p>(13) “Directivity-and-gain-improvement-for-microstrip-array-antenna-with-directors” <i>International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering Vol:10, No:5, 2016.</i></p> <p>(14) “Multi-class Support Vector Machines for Texture</p> |
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Classification using Gray-level Histogram and Edge Detection Features”

International Conference on Recent Innovations in Engineering and Technology, Proceedings of 57th The IIER International Conference, Miami, USA, 18th January 2016.

(15) “A New Method for Synchronization of Simple Chaotic systems”

8th International Conference on Mathematics and Engineering Physics (ICMEP-8), Military Technical College, Kobry Elkobbah, Cairo, Egypt, April 19-21, 2016.

(16) "Performance of Non-linear Cascaded Filtering Algorithm for Removal of Impulse Noise in Digital Images"

DOI 10.5013/IJSSST.a.17.32.07 7.1 ISSN: 1473-804x online, 1473-8031

(17) "Detection of Steel Surface Defect Based on Machine Learning Using Deep Auto-encoder Network"

Proceedings of the International Conference on Industrial Engineering and Operations Management Rabat, Morocco, April 11-13, 2017 © IEOM Society International

(18) "Dual Tree Complex Wavelet with Adaptive Decision Based Median Filter for Medical Image Restoration"

International Journal of Computer Science and Information Security (IJCSIS), Vol. 15, No. 4, April 2017, Paper ID 31031715

(19) " Smart Diagnosing Technique for Fault

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| | <p>Identification and Parameters Estimation in Linear Microstrip Antenna" <i>International Journal of Computer Science and Information Security (IJCSIS),</i> <i>Vol. 15, No. 6, June 2017, Paper ID 31051730</i></p> |
| <p>Academic Research Interests:</p> | <p>Image processing applications and machine learning</p> |