

Curriculum Vitae

Personal Data

Name: Mohamed Fahmy Tolba
Birth Date: 11th Feb. 1947
Nationality: Egyptian
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Related Links:

Web Page: <https://drmtolba.wordpress.com>
SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=24541714400>
Research Gate: https://www.researchgate.net/profile/Mohamed_Tolba3
Google Scholar: <https://scholar.google.com/eg/citations?user=T0ct7pIAAAJ&hl=en>

Professional Background

- Professor of Scientific Computing, Department of Scientific Computing, Faculty of Computers and Information Sciences (1996-Present).
- Vice President of Ain Shams University for Education and Student Affairs (2002-2006).
- Dean of the Faculty of Computers and Information Sciences (1996-2002).
- Director of Scientific Computing Center, Ain Shams University (1995- 2002).
- Professor of Scientific Computing, Faculty of Science, Ain Shams University, (1984 - 1996).
- Assistant Prof., Faculty of Science Ain Shams University (1979 - 1984).
- Ph.D. Lecturer, Faculty of Science, Ain Shams University (1973 - 1979).
- Assistant Lecturer, Faculty of Science, Ain Shams University (1970 - 1973).
- Demonstrator, Faculty of Science, Ain Shams University, (1967 - 1970).

Educational Background

- Ph.D., in Scientific Computing, Faculty of Science, Ain Shams University, joint research with Uppsala University, Sweden, (July 1973).
- M.Sc., in Space Science Faculty of Science, Ain Shams University, Cairo, Egypt (June 1970).
- B.Sc., Special Physics, (Grade: Distinction with Honor) Faculty of Science, Ain Shams University, Cairo, Egypt (June 1967).

Professional Activities

- Chairman of the Technical Committee to enhance and modify the curriculum of computer and information technology, Ministry of Education according to the Ministerial Decree No. 15 dated 01.19.2016.
- Scientific consultative committee member of Egyptian Information Magazine "CompuNet" (2014).
- Information Technology Advisor to the Minister of Education, Egypt (1988-Present).
- Information Technology Advisor to the Governor of the Egyptian Central Bank of Egypt, (1999-2005).
- Information Technology Advisor to the Minister of Finance, Egypt (2000-2005).
- Chairman of the Scientific Committee of the Supreme Council for Professorship Promotion in the field of Information Sciences (2005 – 2012).
- Member of the Egyptian National Committee for Space Science and Technology (2003 – 2007).
- Member of the Software Engineering Competence Center – SECC (2004 – 2010).
- Editorial board member of the International Journal of Software Engineering "IJSE" (2006 – Present).

Research and Scientific Visits

- Scientific Visit to Connecticut University, USA (2005).
- Scientific Visit to Jordan University for Science and Technology, Jordan – Oman (2004).

- Scientific Visit to the Harvard University (2003).
- Scientific Visit to the University of Connecticut (2001).
- Scientific Visit to the Gorge Mason University, Washington (2001).
- Scientific Visit to the University of Connecticut (1999).
- Scientific Visit to National University, Singapore (1998).
- Scientific Visit to University of Texas Austin, USA (1997).
- Scientific Visit to University of Old Dominion, Virginia, USA (1996).
- Visiting Professor, I.C.T.P., Trieste, Italy (1987).
- Visiting Professor, Bartol Research Institute, University of Delaware, Delaware, USA (1978).
- Visiting Professor, Faculty of Science, King Abdulaziz University, Saudi Arabia (1976-1980).
- Visiting Professor, Bartol Research Institute, University of Delaware, USA (1980).
- Visiting Ph.D. research student, Uppsala University, Sweden (1970 - 1972).

Consultation Activities

- Member of the The Egyptian Scientific Academy, Cairo - Egypt (2020).
- Member of the Arabic Language Academy, Cairo - Egypt (2020).
- Founder and Rapporteur of the Arabic Language and Artificial Intelligence Committee and member of environmental science committee at the Arabic Language Academy.
- Chairman of the working group on the road map for the software space technology - Academy of Scientific Research 17/07/2016.
- Supervise the implementation of the satellite and space systems software work program according to decision of the Chairman of the Board No. 77 dated 29/9/2015.
- Council membership of Space Research and Remote Sensing (2015).
- Member of the Standing Supreme Committee of the Information Technology - Supreme Council (2014).
- Chairman of the Technical Committee for developing a proposed projects to raise the efficiency of using Information Technology and communication in higher education, Of the Ministry of Higher Education (PMU – ICTP)- July 2009.
- Chairman of IT Sector board of Supreme Council of Universities (2008-2015).
- Chairman of IT Executive Committee of Supreme Council of Universities (2008-2015).
- Member of the committee for evaluation of Egyptian space program of the National Authority for Remote Sensing and Space Sciences - Ministry of Scientific Research (2000 – 2008).
- Member of the eLearning Committee Board (2008 - 2012).
- Member of the Faculty of Computer and Information sciences board - Egypt's International University (2005 - 2011).
- Chief of scientific syndicate (2011-2014).
- Member of the Advisory Committee of "Strengthening Science and Technology Researchers Project – STRP", Ministry of Scientific Research (2006 – 2009).
- Member of the Computer Education Committee, Ministry of Education, Egypt (1998 -Present).
- Senior Member of the Institute of Electrical and Electronics Engineers, IEEE, USA.
- Member of the Institute of Electrical and Electronics Engineers, IEEE, USA (2000 – Present).
- Editorial Board member of International Journal of Swarm Intelligence and Evolutionary Computation, USA (2013).
- Member of the Egyptian Society of Language Engineering (2005 – Present)
- Member of the Egyptian Software Association, Egypt (1995 – Present).
- Member of the Egyptian Society for Information Systems and Computer Technology, Egypt (1990 – Present).
- Member of the Association for Computing Machinery (ACM), USA (2000 – Present).
- Member of the International Association for Science and Technology for Development (IASTED), Canada (1995 – 2007).
- Member of the International Society for Computers and their Applications (ISCA), USA (1998 – 2007).
- Member of the Council of prudent, Ain Shams University (2010 – Present).
- Board Member of the Egyptian Institute for Accountants & Auditors (1995 – Present).

- Member of the Council of prudent, Helwan University (2006 – 2009).
- Member of directors Board of El-Shorouk Academy (2008 – Present).
- Member of the Board of Space and Remote Sensing (2013 – Present).
- Board of Trustees of the Institute of Information Technology Secretary (2013).
- Member of Sadat Academy for Administrative Sciences council (2012).
- Reviewer for The Egyptian Journal of Remote Sensing and Space Sciences (2015).
- Member of Electronic and Knowledge Service Center - supreme council of Universities (2014 – Present)

International Conferences, Summer Schools and Workshops

- Local chair of the **2021 4th International Conference on Network Technology (ICNT 2021)**, Cairo, Egypt, November 2021.
- Local chair of **the 2021 10th International Conference on Software and Information Engineering (ICSIE 2021)**, Cairo, Egypt, November 2021.
- Honorary chair of the 8th Intl. Conference on Soft Computing & Machine Intelligence (ISCMi 2021).
- Honorary chair of the First Arab Conference for Postgraduate Students entitled "Emerging Technology and its Applications for sustainable development in the Arab World", June 2020.
- 9th International Conference on Intelligent Computing and Information Systems (ICICIS2019), Cairo, December 2019.
- Participation in the symposium held at the Sadat Academy for Administrative Sciences, "The revolution of information technology and digital transformation and its implications for the practices of accountants and auditors", 5/12/2019.
- Participating in the 4th International Conference "Successful Initiatives and Innovative Applications in Education", April 2019.
- 7th Annual International Ain Shams University Conference "Internationalization & Mobility", April 2018.
- Advisory Committee at International Conference on Software and Information Engineering, Cairo, May 2018.
- 25th Scientific Conference for Information Systems and Computer Technology on "Towards Digital Transformation for Intelligence of Modern Business Enterprises", Cairo, April 2018.
- 8th International Conference on Intelligent Computing and Information Systems (ICICIS2017), Cairo, December 2017.
- The second international conference (Towards Building the Egyptian Knowledge and Innovation Society), Cairo, October 2017.
- Honorary Chair of the 2nd International Conference on Advanced Intelligent Systems and Informatics "AISI 2016".
- 7th International Conference on Intelligent Computing and Information Systems (ICICIS2015), Cairo, December 2015.
- Co-Chair of the Scientific Conference on Enterprise System Engineering (March 2015).
- International advisory board of the 1st International Conference on Advanced Intelligent Systems and Informatics "AISI 2015".
- Volume Editor for Scientific Research Group in Egypt "SEGE" 2014.
- General Co-Chair of the 2nd International Conference on Advanced Machine Learning Technology Applications (AMTLTA 2014).
- 9th International Conference on Computer Engineering and Systems (ICCES2014).
- Session Committee for International conference on Industry Academia Collaboratio, March 2014.
- 3rd Annual World Congress of InfoTech-2014, (InfoTech-2014).
- International Conference of Computational Methods in Sciences and Engineering, (ICCMSE 2014) 2014.
- Fifth International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2014.
- Ain Shams Engineering Journal, 2014.
- Sixth International Conference on Intelligent Computing and Information Systems (ICICIS 2013).

- 13th International Conference on Hybrid Intelligent Systems (2013).
- Honorary Chair, 6th International Conference on the Theory and Application of Cryptographic Techniques in Africa, AFRICACRYPT 2013 June 2013.
- 12th international Smart Learning Conference, September 2018.
- Technical Chair, International Conference on Advances in Signal & Image Processing, 2012.
- Honorary Chair, International Computing Conference in Arabic: ICCA 2012.
- Consoltance board of Egyptian Informatics Journal, Cairo University 2012.
- Keynote Speaker for ICCSIT 2012: International Conference on Computer Science and Information Technology, Venice, Italy, April 11-13, 2012.
- Editorial Board, International Jouranl of Software Engineering (IJSE) 2012.
- Associate Editors, International Journal of Swarm Intelligence and Evolutionary, 2010.
- Honorary Chair & Opening Session Speaker, International Conference on Intelligent Systems Design and Applications (ISDA), 2010.
- Member of Scientific Committee Board, Second International Conference on Cybercrime & Information Security, 2010.
- 7th IEEE International Conference on Computer Engineering and Systems (ICCES'2011), Cairo, Egypt, November (2011).
- International Journal of Computer Science and Network Security (IJCSNS), Cairo, Egypt, (2011).
- International Conference on Computer, Electrical, and Systems Sciences, and Engineering, Tokyo, Japan, May 2011.
- International Conference on Computer and Information Science and Engineering ICCISE 2011, Dubai, January 2011.
- The sixth international conference on computer engineering and Systems, ICEEC06, Cairo, Egypt, Dec. 2010.
- International Journal of Intelligent Computing and Information Science , Ain Shams University , Egypt , June 2010.
- 21st British Machine Vision Conference (BMVC).Aberystwyth, England, August 31-September 2010.
- 3rd IEEE International Conference on Computer Science and Information Technology, IEEE ICCSIT, Chengdu, China, July 9 - 11, 2010.
- ITI 6th International Conference on Information and Communications Technology, Cairo, Egypt, December 2008.
- Third International Conference on Computer Graphics Theory and Applications (GRAPP), January 2008.
- 7th International Conference on Language Engineering, Ain Shams University, Cairo, Egypt, December (2007).
- International Conference on Intelligent Computing and Intelligent Systems ICICIS, March 2007.
- 1st International Conference on Signal and Image Processing, December (ICSIP 2006).
- 2nd International Conference on University Digital Library (ICUDL2006), Alexandria, November (2006).
- 4th International conference (CSIT) 2006.
- International Conference on Cluster Computing and Grid (CCGrid 2005), May2005.
- International Conference on Grid Computing and Applications (GCA'05) June 2005.
- 2nd International Conference on Intelligent Computing and Information Systems (ICICIS), Cairo, Egypt, March 2005.
- 2nd International Conference on Soft Computing Applied in Computer and Economic Environments (ICSC), Kunovice, Czech Republic, Januay 2004.
- International Conference for Electrical, Electronic and Computer Environments), Cunovice, January (2004).
- The International Conference on Electrical, Electronic and Computer Engineering, (ICEECE), Cairo, Egypt, May 2004.
- International Conference for Internet and Computing, USA, June (2004).
- 8th International Conference for Computer and Communication (IEEE), Cairo, June (2004).
- 10th International Conference on Soft Computing (Mendel 2004), June (2004).
- 9th IEEE Symposium on Computers and Communications (ISCC'2004), June 2004, Alexandria, Egypt.
- 14th International Conference for Computer Theory and Application, Alexandria, September (2004).

- International Conference for Information & Communication Technology – ICICT03 ITI), Cairo, December (2004).
- 7th International Conference (IEEE) for Computing and Intelligent Systems, Asuit (2003).
- 7th IEEE International Conference on Intelligent Engineering Systems (INES), Assiut, Egypt, March 2003.
- 8th International Conference for Enterprise Intelligent Computing (ACM-IEEE), France, April (2003).
- The International Conference in Information Communications and Technology, ICICT'03, ITI Cairo, Egypt, December 2003.
- 7th WSEAS International Conference on Computers, Greece, 2003.
- 1st International Conference on Intelligent Computing and Information Systems (ICICIS), Cairo, June (2002).
- 7th ACM-IEEE International Conference of Enterprise Intelligent Computing, Sapin, April 2002.
- 10th International Conference on Soft Computing (Mendel 2002), May (2002).
- The Information Technology and Artificial Intelligence Conference, Mendel 2002, Chez Republic, May 2002.
- The International Conference on Industrial Electronics, Technology and Automation IETA 2001.
- 11th International Conference on Computers: Theory and Applications ICCTA 2001, IEEE Alexandria subsection & Computer Scientific Society (CSS), Alexandria, Egypt, August 2001.
- 1st Space Science Agency Conference, Cairo, April, 2000.
- The International Conference for Information, Damascus Syria, (2000).
- The International Conference (IEEE) for Computer and Communication, Sharm El-Sheekh, (1999).
- 2nd Information Technology Conference, Ain Shams University, Cairo, Egypt, October 1999.
- The First International Conference on Linguistic Engineering, Ain Shams University, Cairo, Egypt (1998).
- International conference of Linguistic Engineering, Cairo, 1998.
- The 2nd International Conference of Linguistic Engineering, Cairo, Egypt, October 1998.
- First International Conference on Computers and Advanced Technology in Education, Cairo (1996).
- International Symposium on Distance Learning, Ain Shams University, Cairo, Egypt (1996).
- 8th International Conference on Information Technology, Bahrain (1994).
- 5th International Conference on Software Productivity, Dubai (1993).
- The International Conference (IEEE), Los Anglos, USA, (1989).
- The Second Conference on Arabic Computational Linguistics, Kuwait (1989).
- International Congress of Deduction and Information's, Unesco, Paris France (1989).
- 3rd International Conference for Information Systems, Cairo, P. 317, (1988).
- 13th International Congress for Statistics, Computer Science, Social and Demographic Research, 1988.
- 13th IFIP Conference, Tokyo, Japan, (1987).
- IASTED International Conferences of Modeling and Simulation, Grndelwald, Switzerland, (1987).
- 12th International Conference for Statistics, Computer Science and Social Research, Cairo, II, P. 271 (1987)
- IASTED International Symposium, Taormina, Italy (1986).
- 10th International Conference of Computer Science, Cairo, III, P. 429 (1985).
- 9th International Conference of Computer Science, I (1984).
- International Conference Cosmic Ray, 16th, 4, 374, MG9, 13 (1979).
- 3rd International Conference on Statistics and Scientific Computations, Ain Shams University, Cairo Egypt, 1978.
- 2nd International Conference for Computer Science, II, 25 (1977)
- International Conference on Computer Science, III, 15 (1976).
- Proceeding of International Conference of Cosmic Rays, Hobart, Japan (1971).

Scientific Activities

- Supervising over 70 M.Sc. and 45 Ph.D. degrees in Ain Shams University and other Egyptian Universities.

- Scientific Evaluation for over 115 M.Sc. and 50 Ph.D. degrees in several Egyptian, Arabian and International Universities.
- Consultant to different local and international organizations for IT.
- More than 300 publications in the fields of AI, Image Processing and Scientific Computing.
- Supervisor of several developments projects in the field of IT.
- Assistance in the construction of different computer libraries in scientific organizations.
- Assistance in constructing the scientific computer library for Bartol research Foundation of the Franklin Institute, Delaware U.S.A (1978 – 1980).
- Assistance in constructing the scientific computer library of Space Science Group Uppsala University Sweden (1970 – 1972).

Appreciation and Honor

- Appreciation Certificate from the 9th International Conference on Intelligent Computing and Information Systems (ICICIS2019), Cairo, December 2019.
- Appreciation Certificate from Sadat Academy for Administrative Sciences, "The revolution of information technology and digital transformation and its implications for the practices of accountants and auditors", 5/12/2019.
- Appreciation Certificate from the 4th International Conference "Successful Initiatives and Innovative Applications in Education", April 2019.
- Appreciation Certificate from 21th International Smart Learning Conference, Cairo, September 2018.
- Appreciation Certificate from 7th Annual International Ain Shams University Conference "Internationalization & Mobility", Cairo, April 2018.
- Appreciation Certificate from International Conference on Software and Information Engineering, Cairo, May 2018.
- Appreciation Award from Egyptian Society for Information Systems and Computer Technology during 25th Scientific Conference for Information Systems and Computer Technology on "Towards Digital Transformation for Intelligence of Modern Business Enterprises", Cairo, April 2018.
- Appreciation Award from Workshop on Recent Research Directions in Smart Technologies, Cairo (2017).
- Appreciation Certificate from the 8th International Conference on Intelligent Computing and Information Systems (ICICIS2017).
- Appreciation award from "Thebes Higher Institute of Management Information Technology", Cairo (2017).
- Appreciation Certificate from the 24rd Scientific Conference for Information Systems and Computer Technology on "Big Data and Analytics for Business", Cairo (2017).
- Appreciation Certificate from the 23rd Scientific Conference for Information Systems and Computer Technology on "Managing Information Technology", Cairo (2016).
- Appreciation Certificate from the 7th International Conference on Intelligent Computing and Information Systems (ICICIS2015).
- Pest Student Paper Award from 13th International Conference on Hybrid Intelligent Systems (2013).
- Appreciation Certificate from the International Conference on Computer Engineering and Systems (ICCES2013).
- Appreciation Certificate from the Association of Electrical and Electronics Engineers "IEEE" - Egypt Branch, to participate in the Arbitration Competition Engineering Egyptian tenth day, September (2011).
- Appreciation Letter from the National Authority for Quality Assurance and Accreditation of Education in Egypt for effective participation in the preparation of documentation for the academic standards of reference for the various educational sectors in higher education in addition to the preparation of training and rehabilitation programs for the technical staff (2011).
- Appreciation Letter from the National Authority for Quality Assurance and Accreditation of Education in Egypt for effective participation in the preparation of the quality assurance standards and accreditation for pre-university education institutions (2011).

- Appreciation Letter from the National Authority for Quality Assurance and Accreditation of Education in Egypt for effective participation in the preparation of the supporting study for the standard levels of e-Learning (2011).
- Appreciation Letter from the National Authority for Quality Assurance and Accreditation of Education in Egypt for effective participation in the Panel of Auditors, which was formed for the accreditation of the American University (2011).
- Certificate of Appreciation from World Academy of Science, Engineering and Technology “WASET” for the technical presentation, recognition and appreciation of research contribution to ICCISE 2011.
- Certificate of Honor from the Board of the 2010 International Conference on Intelligent Systems Design and Applications (ISDA) issued and authorizes the execution of this certificate of honor in grateful appreciation for faithful and dedicated service December 2010.
- Certificate of Appreciation from Arab Network for Open & Distance Education for the invaluable efforts and efficient contribution in preparation and organization of programs and activities, December 2010.
- Certificate of Appreciation from the Information Technology Industry Development Agency “ITIDA” for the distinguished and active participation in the driving and follow-up committee ITAC initiative, April 2010.
- Certificate of appreciation from Ministry of Higher Education regarding the outstanding contributions and efforts in developing information systems and technology in higher education, 16/2/2009.
- ITI Certificate of Appreciation for the invaluable services and great contribution to the ITI 6th International Conference on Information and Communication Technology, Cairo, December 2008.
- Certificate of appreciation and the shield of Ain Shams University on the occasion of the end of service as Deputy Vice-President of the university (2006).
- Certificate of appreciation and shield of the Union of Arab Universities (2006).
- Ain Shams University appreciation prize for the year (2007).
- Certificate of appreciation from the 26th international medical conference (2003).
- Certificate of appreciation from the College of Science Ain Shams University occasion of the Golden Jubilee School (2000).
- Certificate of appreciation from the Academy of Sciences of New York (2000).
- Certificate of appreciation from the Advanced Academy of Arab studies Ibero (1999).
- Certificate of appreciation from the Sadat Academy for Administrative Sciences (1998).
- Award from the National Institute of Civil Aviation for the establishment of the Institute of computers and information technology Aviation (1998).
- Award from the central scientific club in the occasion of the 18th scientific festival (1997).
- Award of the Union of Arab publishing houses Arab-Dubai (UAE) on Arab literature in the area of computers and information technology (1996).
- Award of outstanding research -Eighth Conference of information systems-Bahrain (1994).
- Award of recognition for the development of the software library - Bartol Research Institute - University of Delaware United States of America (1980).

Author of the Following Arabic IT Books

- Information System Security (1993).
- Data Base Management Systems (1994).
- Management Information Systems (1994).
- An Introduction to Artificial Intelligence (1994).
- Operating Systems (1996).
- An Introduction to Computer Technology (1997).
- Advanced Implementation of Internet (1997).
- Computer Application in Project Management.
- Information Engineering.

Trends of Computer Related Publications

- a) Some Publication in the field of: Image Processing - Pattern Recognition - OCR – Artificial Intelligence - Information Systems.
- b) Some Publication in the field of: Scientific Computing - Simulation and Modeling - Space Science.



Scopus

Mohamed Fahmy Tolba

Publication List (for the Last 10 years)

	Cited by	Year
Deep Convolutional Neural Networks for ECG Heartbeat Classification Using Two-Stage Hierarchical Method Shaker, A.M., Tantawi, M., Shedeed, H.A., Tolba, M.F. Advances in Intelligent Systems and Computing 1261 AISC, pp. 137-147	0	2021
The Mass Size Effect on the Breast Cancer Detection Using 2-Levels of Evaluation Hamed, G., Marey, M.A.E.-R., Amin, S.E.-S., Tolba, M.F. Advances in Intelligent Systems and Computing 1261 AISC, pp. 324-335	0	2021
Hyperspectral unmixing using deep convolutional autoencoder Elkholy, M.M., Mostafa, M., Ebied, H.M., Tolba, M.F. International Journal of Remote Sensing 41(12), pp. 4797-4817	1	2020
A Framework for Continuous Regression and Integration Testing in IoT Systems based on Deep Learning and Searchbased Techniques Open Access Medhat, N., Moussa, S.M., Badr, N.L., Tolba, M.F. IEEE Access Article in Press	0	2020
Automated EEG-based epilepsy detection using BA-SVM classifiers Naser, A., Tantawi, M., Shedeed, H.A., Tolba, M.F. International Journal of Medical Engineering and Informatics 12(6), pp. 620-625	0	2020
YOLO Based Breast Masses Detection and Classification in Full-Field Digital Mammograms Aly, G.H., Marey, M., El-Sayed, S.A., Tolba, M.F. Computer Methods and Programs in Biomedicine 105823 Article in Press	0	2020
Directed jaya algorithm for delivering nano-robots to cancer area Ezzat, D., Amin, S., Shedeed, H.A., Tolba, M.F. Computer Methods in Biomechanics and Biomedical Engineering Article in Press	0	2020
Application of hyperspectral image unmixing for internet of things Elkholy, M.M., Mostafa, M., Ebeid, H.M., Tolba, M.F. Lecture Notes in Networks and Systems 114, pp. 249-260	0	2020
Deep Learning in Breast Cancer Detection and Classification Hamed, G., Marey, M.A.E.-R., Amin, S.E.-S., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 322-333	5	2020
Combination of Convolutional and Recurrent Neural Networks for Heartbeat Classification Shaker, A.M., Tantawi, M., Shedeed, H.A., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 362-371	1	2020
Gene Regulatory Network Construction Parallel Technique Based on Network Component Analysis Elsayad, D., Hamad, S., Shedeed, H.A., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 850-857	0	2020
Eye Movements Recognition Using Electrooculography Signals Reda, R., Tantawi, M., Shedeed, H., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 490-500	0	2020
Implementing Two Recent Techniques for Delivering Nano-robots to Cancer Area Ezzat, D., Amin, S., Shedeed, H.A., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 469-479	1	2020
A Two-Stage Method for Bone X-Rays Abnormality Detection Using MobileNet Network El-Saadawy, H., Tantawi, M., Shedeed, H.A., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 372-380	0	2020
Controlling Directed Particle Swarm Optimization for Delivering Nano-robots to Cancer Cells Ezzat, D., Amin, S., Shedeed, H.A., Tolba, M.F. Advances in Intelligent Systems and Computing 1153 AISC, pp. 148-158	0	2020
Generalization of Convolutional Neural Networks for ECG Classification Using Generative Adversarial Networks Open Access Shaker, A.M., Tantawi, M., Shedeed, H.A., Tolba, M.F. IEEE Access 8,9000871, pp. 35592-35605	4	2020
Heartbeat Classification Using 1D Convolutional Neural Networks Shaker, A.M., Tantawi, M., Shedeed, H.A., Tolba, M.F.	2	2020

	Cited by	Year
Advances in Intelligent Systems and Computing 1058, pp. 502-511		
Hybrid Parallel Computation for Sparse Network Component Analysis Elsayad, D., Hamad, S., Shedeed, H.A., Tolba, M.F.	0	2020
Advances in Intelligent Systems and Computing 1058, pp. 801-808		
Comparative Analysis of Unmixing Algorithms Using Synthetic Hyperspectral Data Elkholy, M.M., Mostafa, M., Ebeid, H.M., Tolba, M.F.	1	2020
Advances in Intelligent Systems and Computing 921, pp. 945-955		
Analyzing Electrooculography (EOG) for Eye Movement Detection Reda, R., Tantawi, M., Shedeed, H., Tolba, M.F.	2	2020
Advances in Intelligent Systems and Computing 921, pp. 179-189		
A New Nano-robots Control Strategy for Killing Cancer Cells Using Quorum Sensing Technique and Directed Particle Swarm Optimization Algorithm Ezzat, D., Amin, S., Shedeed, H.A., Tolba, M.F.	4	2020
Advances in Intelligent Systems and Computing 921, pp. 218-226		
Analysis of Classification Methods for Gene Expression Data Zakaria, L., Ebeid, H.M., Dahshan, S., Tolba, M.F.	3	2020
Advances in Intelligent Systems and Computing 921, pp. 190-199		
Parallel Computation for Sparse Network Component Analysis Elsayad, D., Hamad, S., Shedeed, H.A., Tolba, M.F.	0	2020
Advances in Intelligent Systems and Computing 921, pp. 918-927		
Detecting Epileptic Seizures Using Abe Entropy, Line Length and SVM Classifier Naser, A., Tantawi, M., Shedeed, H., Tolba, M.F.	3	2020
Advances in Intelligent Systems and Computing 921, pp. 169-178		
Optimized Feed Forward Neural Network for Microscopic White Blood Cell Images Classification Mohamed, S.T., Ebeid, H.M., Hassanien, A.E., Tolba, M.F.	0	2020
Advances in Intelligent Systems and Computing 921, pp. 758-767		
Remote Sensing Image Classification Based on Convolutional Neural Networks Shafaey, M.A., Salem, M.A.-M., Al-Berry, M.N., Ebied, H.M., Tolba, M.F.	1	2020
Advances in Intelligent Systems and Computing 1153 AISC, pp. 353-361		
Multiscale satellite image classification using deep learning approach Laban, N., Abdellatif, B., Ebied, H.M., Shedeed, H.A., Tolba, M.F.	1	2020
Studies in Computational Intelligence 836, pp. 165-186		
Reduced 3-D Deep Learning Framework for Hyperspectral Image Classification Laban, N., Abdellatif, B., Ebeid, H.M., Shedeed, H.A., Tolba, M.F.	2	2020
Advances in Intelligent Systems and Computing 921, pp. 13-22		
Preface Hassanien, A.E., Azar, A.T., Tolba, M.F., Bhatnagar, R., Gaber, T.	0	2020
Advances in Intelligent Systems and Computing 921, pp. vii-viii		
Hyperspectral Image Classification Using Deep Learning Technique Shafaey, M.A., Salem, M.A.-M., Al-Berry, M.N., (...), El-Dahshan, E.A., Tolba, M.F.	0	2020
Advances in Intelligent Systems and Computing 1153 AISC, pp. 334-342		
Image Retrieval Based on Self-Organizing Feature Map and Multilayer Perceptron Neural Networks Classifier Ghaleb, M.S., Ebied, H.M., Shedeed, H.A., Tolba, M.F.	0	2019
Proceedings - 2019 IEEE 9th International Conference on Intelligent Computing and Information Systems, ICICIS 2019 9014768, pp. 189-193		
Testing Techniques in IoT-based Systems Medhat, N., Moussa, S., Badr, N., Tolba, M.F.	1	2019
Proceedings - 2019 IEEE 9th International Conference on Intelligent Computing and Information Systems, ICICIS 2019 9014711, pp. 394-401		
Convolutional neural network with dilated anchors for object detection in very high resolution satellite images Laban, N., Abdellatif, B., Ebeid, H.M., Shedeed, H.A., Tolba, M.F.	0	2019
Proceedings - ICCES 2019: 2019 14th International Conference on Computer Engineering and Systems 9068145, pp. 34-39		
EEG-EOG based Virtual Keyboard: Toward Hybrid Brain Computer Interface Hosni, S.M., Shedeed, H.A., Mabrouk, M.S., Tolba, M.F.	3	2019
Neuroinformatics 17(3), pp. 323-341		
A Proposed Model for Denoising Breast Mammogram Images Hamed, G., Marey, M., Amin, S.E.-S., Tolba, M.F.	2	2019
Proceedings - 2018 13th International Conference on Computer Engineering		

	Cited by	Year
and Systems, ICCES 2018 8639307, pp. 652-657 Directed Particle Swarm Optimization Technique for Delivering Nano-robots to Cancer Cells Ezzat, D., Amin, S.E.-S., Shedeed, H.A., Tolba, M.F. Proceedings - 2018 13th International Conference on Computer Engineering and Systems, ICCES 2018 8639250, pp. 80-84	4	2019
Seasonal Multi-temporal Pixel Based Crop Types and Land Cover Classification for Satellite Images Using Convolutional Neural Networks Laban, N., Abdellatif, B., Ebeid, H.M., Shedeed, H.A., Tolba, M.F. Proceedings - 2018 13th International Conference on Computer Engineering and Systems, ICCES 2018 8639232, pp. 21-26	2	2019
Comparison of CNNs for Remote Sensing Scene Classification Shafaey, M.A., Salem, M.A.-M., Ebeid, H.M., Al-Berry, M.N., Tolba, M.F. Proceedings - 2018 13th International Conference on Computer Engineering and Systems, ICCES 2018 8639467, pp. 27-32	1	2019
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