

Ahmed Farag Ali Mohamed Seddik

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Key Qualifications

Dean of Faculty of Computer Science, Nahda University, Egypt. Full professor at the Faculty of Engineering, Helwan University, Egypt and participated as a speaker and associate speaker in several national and international events addressing information technology, e-health, e-learning, cloud computing, databases and software engineering.

A consultant since 1997 in the field of information technology and biomedical engineering for public and private sectors. Responsible for delivering and supporting enterprise solutions, integrating systems and advising in technology direction. My current position requires me to analyze and determine business requirements as well as advise architectural direction for the organization. I have strong organizational, analytical and communication skills which is found to be crucial to the success of any project. Expert in multi-system environments, cloud computing, platform as a service, software as a service, SOA, medical systems, development, software engineering and networking which will greatly benefit the organization. This experience includes project management, participating in project teams, leading committee's made up of third party vendors as well as leading projects as small as medical units' customization to large multi-million dollar compliance large hospital systems implementations. I was the project manager of the most successful national Egyptian projects in the field of health, and education. I worked as a consultant for many national and international organizations such as European Union, United Nations Development Program.

Active member in the field of Information Technology, particularly in information systems analysis, design, automation, project management, planning, scheduling, reporting, and team organization in different governmental sectors since 1997. Consulting achievements include: infrastructure development, ICT in health, development of many ministries and governmental organizations such as: Ministry of Health, Ministry of Investment, Ministry of Education, Ministry of foreign affairs, ministry of interiors, the Egyptian Cabinet and Egyptian Presidency.

Participant in many national projects in both private and governmental sectors. I have made a number of remarkable achievements in formulating Public Private Partnerships (PPP), participated in many protocols and business linkages among various stakeholders, managing national ICT projects in the fields of education, e-government, e-health, e-content, national databases, and geographical information systems.

Project Director of the Egyptian presidency information center development. Supervised more than 300 successful projects under the MCIT fund, such as the ERP, Medical services, Conferences Organizer, Digital library, and Presidential decree automation, Document

archiving, management and work flow automation systems, process automation systems, project management systems, Tasks management systems, Fleet management systems, resources management systems, Traffic control, Security systems, and Development portal projects.

Funded Research Projects:

- **Design and development of a smart stick for the blind:** A joint research project by Electronics research institute, Helwan University, and Cairo University to design and develop a smart stick to guide the blind through the application of smart vision and pattern recognition techniques. This research is funded by Academy of Scientific Research and Technology (ASRT), Egypt.
- **Quantifying Performance of Cloud Computing Systems:** Proposed to be funded by National Telecom Regularity Authority (NTRA), Egypt.
- **Health Map:** Funded by MCIT, Egypt.
- **Egyptian Cancer Registry Network:** Funded by MCIT, Egypt.
- **Safety Helmet:** Proposed to be funded by ITIDA, Egypt.
- **Use of Multimedia in Information Systems:** Funded by the Electronics Research Institute.
- **Computer Aided Mammography for Early Detection of Breast Cancer:** Funded by MCIT.
- **African Telemedicine Project:** Funded by Indian Government and the African Union.
- **TeleSPaRe:** The project “TeLeSPaRe” is a European Commission Home Based ehealth services system offered to patients with chronic diseases all over Europe. Funded by European Commission through the FP7 framework.

Professional Experience

February 2010 – To date

Head of Technical Consultation Department - Ministry of Communications & Information Technology,

February 2005 – To date

CIT Consultant - Egyptian Presidency, Egypt.

2002- Jan 2010: Projects Manager & Consultant.

Egyptian Ministry of Communications and Information Technology, Cairo, Egypt.

Jan 2007- Nov 2008: eHealth Department vice Manager

Egyptian Ministry of Communications and Information Technology, Cairo, Egypt.

2005 –Jan 2007: Head of eHealth programs

Egyptian Ministry of Communications and Information Technology, Cairo, Egypt.

Duties include:

- Projects management.
- Assist the IT infrastructure supervisor in main tasks concerning guiding and managing the IT projects.
- Project planning.
- Make presentations and follow up reports as appropriate to high level management.
- Automating the workflow within the ministry.
- Setting up balanced and constructive relations with National bodies and ministries through MoU and protocols and ensuring continuity and success of work relations by negotiating positions, joining committees and ensuring deliverables.
- Determining suitable technical solutions in the Information Technology Sector in particular for it projects.

Main Achievements:

1. Development of more than 100 it systems for the Egyptian presidency.
2. Development of a summit Organization system for the Egyptian presidency that was used for organizing the Islamic summit, Cairo, 2013.
3. Al-Azhar Al Sharif Memory project.
4. Participation of the development of more than 25 Protocols of cooperation for the implementation of information systems and IT infrastructure in the government ministries and organizations
5. E-government and services:
 - Participation in the ICT for Productivity and Efficiency project for the government based on Cloud Computing Architecture
 - Public Notary Automation in 100 offices
 - Design of the E-Court Project for Ministry of Justice.
6. E-Health:
 - Participation in the implementation of the e-health initiative in cooperation with a number of multinationals, the private sector and the Ministry of Health and Population.
 - Participation in formulating the concept paper for the national cancer registry with the Ministry of Health, and the Ministry of Higher Education.
 - Participation in the implementation of Primary Health Care Units reform Project in 300 units in 4 governorates namely Alexandria, Menofia, Sohag and Suez.
 - Design of the Mobile health Units for Early Breast Cancer Detection – December 2007.
 - Participation in the implementation of ICT Infrastructure Development for the Suzanne Mubarak Women Health Center in Alexandria
 - Design for the Treatment on the Expenses of the Government information systems applied in medical councils in governorates.
 - Studying the development and modernization of the ambulance system using vehicle tracking and CAD systems.
 - Participation in the implementation of the Hospitals management systems in 4 pilots hospitals to be extended to 100 hospitals
7. E-Learning
 - Participation in the implementation of the Smart Schools Network with a total of 88 schools
 - Participation in the implementation of the E-learning Competence Center at the Smart Village.

Feb 2001 – Sept 2002**IT Professional Training Project technical manager – Assiut Branch, Allied Consultants**

The scope of work in this project covers the management of the national information technology professional training national project funded by the ministry of communications and information technology. The training consists of six professional development tracks (VC++, VB, ORACLE Developer 2k, Java, CCNA and GIS). The project covers 1950 students distributed over 6 training centers in the governorates (Cairo- Mansoura- Alex- Portsaid and Assiut). I was the technical manager of Assiut branch.

2005- 2008: Projects Manager & Consultant.

- Egyptian Ministry of Health.
- Egyptian Ministry of Communications and Information Technology, Cairo, Egypt.
- Egyptian Presidency IT Center.
- Ministry of Interiors.
- Ministry of Foreign Affairs.
- Ministry of Civil Aviation.

2005 Till Jan 2007:

- Head of eHealth Programs, Ministry of communications & Information technology, Egypt.
- Egyptian Presidency IT Consultant.
- Consultant for eLearning Competence Center, Ministry of Communications and Information Technology, Egypt.
- National Representative for Egypt for the INTERREG Archimed program with the code name TeleSPaRe, The project “TeLeSPaRe” is a European Commission Home Based ehealth services system offered to patients with chronic diseases all over Europe.

2002-2005

- Consultant for the Egyptian Ministry of Communication and Information Technology (MCIT) in many projects related to e-learning and ehealth sectors to develop many projects in the field of Database, Networks, and Integrated systems.
- Participated in the ehealth sector projects at the Ministry of Communication and Information Technology (MCIT).
- Participated in writing the technical RFP and in technical evaluation, and finalization of the tender for the Egyptian Health Records Network at MCIT.
- Participated in writing the technical RFP and in technical evaluation, and finalization of the tender for the Egyptian Emergency Call Center at MCIT.
- Participated in the finalization of the Egyptian Telemedicine Network.
- Participated in the Egyptian E-Learning vision for higher education and vocational training.

2001-2002:

- Setting the specifications and final design of the network of the Faculty of Engineering in Helwan.

1994-2001:

ERI (Electronic Research Institute) members. During this period, participated in many projects such as:

- Remote sensing
- Developing a video based system to capture human walking parameters.
- Neural Network Simulation System.
- Database Packages.

- Image Compression Package.
- MPEG Encoder.

Positions

July 2015 –Now :Dean of Faculty of Computer Science, Nahda University, Egypt.

2008-June 2015: Head of Biomedical Engineering Dept., Faculty of Engineering, Helwan University.

Feb 2010 – Now: Head of Technical Consultation Department, Ministry of Communications and Information Technology (MCIT), Egypt.

June 2005 - Now: CIT Consultant, Egyptian Presidency, Egypt.

2005 – Now: Biomedical Consultant, Ministry of Health and Population, Egypt.

2006- Now: IEEE Membership Development Manager, Egypt Section.

2009- Now: Engineering and Science Club Head , Faculty of Engineering, Helwan University.

2011 – Now: Judge at Teic for funded research projects..

2013 – Now: External Reviewer for Biomedical Research International Journal.

2013 – Now: External Reviewer for Online Journal of Physical and Environmental Science Research.

2013 – Now: External Reviewer for Journal of Engineering and Technology Research.

2013 – Now: External Reviewer for IEEE Journal of Biomedical and Health Informatics.

2013 – Now: External Reviewer for Journal of Journal of Biomedical Science and Engineering.

2002- Jan 2010: Projects Manager & Consultant, Ministry of Communications and Information Technology, Egypt.

2014 –Now: Professor, Biomedical Engineering Department, Faculty of Engineering, Helwan University.

2008 –2014 : Associate Professor, Biomedical Engineering Department, Faculty of Engineering, HU.

2002 –2008 : Assistant Professor, Biomedical Engineering Department, Faculty of Engineering, HU.

Jan 2007- Nov 2008: eHealth Department vice Manager, MCIT, Egypt.

2005 –Jan 2007: Head of eHealth programs, Ministry of Communications and Information Technology, Egypt.

2001 –Now: IT & Telecommunication Consultant, MCIT, Egypt.

2008 –Now: IEEE Made In Egypt Competition Judge, Judge to select the best graduation project all over Egyptian Universities.

2001-2002: Lecturer, Biomedical Engineering Department, Faculty of Engineering, Helwan University

2002-2010: Visiting Professor, Arab Academy for Science Technology and Maritime Transport, Cairo, Egypt.

1994-2001: Research Assistant, Computers & Systems Department, Electronic Research Institute, Ministry of Higher Education and Research, Egypt.

Education:

Ph.D. - 2002:

Electronics and Electrical Communications Engineering, Faculty of Engineering, Cairo University.

Thesis: A Novel Motion Estimation Approach for Mpeg Video Compression Systems.

M.Sc. – 1998:

Electronics and Electrical Communications Engineering, Faculty of Engineering, Cairo University.

Thesis: Extracting Motion Parameters for human walking animation: An image processing approach.

B.Sc. – 1993

Electronics and Electrical Communications Engineering, Faculty of Engineering, Cairo University.

Graduation Grade: DISTINCTION WITH HONOR DEGREE

Academic Experience:

- Head of the Biomedical Engineering Department, Faculty of Engineering, Helwan University, Egypt.
- Professor, Biomedical Engineering Department, Faculty of Engineering, Helwan University, Egypt
- Associate professor, Biomedical Engineering Department, Faculty of Engineering, HU, Egypt
- Assistant professor, Biomedical Engineering Department, Faculty of Engineering, HU, Egypt.

Academic Courses:

Signal Analysis. (Post Graduate Course).

Neural Networks, Pattern Recognition, Biomedical Measurements.

Biomedical Instrumentation.

Biomedical Electronics.

Medical Imaging Systems.

Digital Signal Processing. (Post Graduate Course).

Biomedical Systems

Image Processing & Pattern Recognition (Post Graduate Course).

Bioinformatics.

Bio Analysis Equipment.

Graduation Projects, Electronic Systems, Mathematical biophysics.

Modeling of Biological systems.

- Visiting Professor, Arab Academy for Science & Technology (AAST), Cairo, Egypt.

Academic Courses:

Biomedical Engineering.

Digital Image Processing (Post Graduate Course).

- Visiting Professor, Misr University for Science & Technology (MUST).

Academic Courses:

Digital Signal Processing

Advanced Digital Signal Processing

Adaptive Filters

Graduation Projects

- Visiting professor, Faculty of Computer science & Information Technology, HU.

Academic Courses:

Compilers

Multimedia Applications & E-Learning

International Organizations Membership:

Member of the IEEE.

IEEE Membership Development Manager in Egypt.

Member of the SWANSAT.

Appointments:

- Consultant for Egyptian Ministry of Health.
- Consultant for Egyptian Presidency.
- Consultant for Egyptian Ministry of Communications & Information Technology
- Consultant for European Union.
- Consultant for United Nations Development Program.
- Group Leader of the Research Team of the Following Projects:
 - “Quantifying Performance of Cloud Computing Systems”, funded by NTRA, Egypt.
 - “Health Map”, funded by Academy of scientific research and technology (ASRT), Egypt.
 - “Safety Helmet”, funded by Academy of scientific research and technology (ASRT), Egypt.
 - “Use of Multimedia in Information Systems”, funded by the Electronics Research Institute.
 - "Computer Aided Mammography for Early Detection of Breast Cancer ", funded by MCIT.
- Consultant for the Egyptian Telemedicine Project (Egyptian Ministry of Health & Ministry of Communications & Information Technology)

Main Research Technology Topics:

Bioinformatics

Data mining and Data analysis.

Big data.

Cloud computing.

Digital Signal Processing.

Tissue Engineering.

Biosensors.

Biotechnology.

Image Processing and Pattern Recognition.

Medical Imaging.

Biometric Identification Systems.

Medical Analysis equipment.

Encryption.

Attended Conferences / Symposiums:

- 10th International Conference on Software paradigm Trends (ICSSOFt-PT2014), August 29-31 2014, Vienna, Austria.
- 1st International Conference on Systems and Computer Science (ICSCS2012), August 29-31 2012, Villeneuve d'Ascq, France.
- Second IEEE International conference on Computer technology and development (ICCTD2010), Cairo, Egypt, November 2-4, 2010.
- Third IEEE International conference on computer science and information technology, Chengdu, China, July 2010.
- The 1st IEEE International Symposium on Signal Processing and Information Technology, Cairo, Egypt, December 28-30, 2001.
- The 11th IEEE Mediterranean electro technical conference, IEEE MELECON 2002, Cairo, Egypt, May 7-9, 2002.
- The 1st Conference on “e-Learning Applications in Egypt”, Cairo, Egypt, Jan 10-11, 2003.
- The Cairo Information and Communication Technology Conference, Cairo, Egypt, Jan 12-15, 2003.

- The 1st Symposium on Telemedicine & Its Applications, Cairo, Egypt, May, 2003.
- 46th Symposium on Circuits and Systems. Cairo, Egypt, December 28-30, 2003.
- The 2nd Conference on “e-Learning Applications in Egypt”, Cairo, Egypt, Jan 10-11, 2004.
- The Oracle Technology Day, Cairo, Egypt, Jan 12, 2004.
- E-Learning Workshop, French University, Cairo, Egypt, Jan 15-18, 2004.
- The Cairo Information and Communication Technology Conference, Cairo, Egypt, Jan 17-20, 2004.
- Microsoft Middle East Developers Conference, Cairo, Egypt, Jan 24-27, 2004.
- Third IEEE International Conference on biomedical engineering, Cairo, Egypt, December 28-29, 2004.
- The Oracle Technology Day, Cairo, Egypt, Oct 19, 2005.

Honors and Awards:

- Certificate of Appreciation, Egyptian Presidency for great achievements, 2015.
- Certificate of Appreciation, Egyptian Presidency, 2013
- Best student research paper, National Radio Science Conference (NRSC), National Telecommunication Institute (NTI), Smart Village, Egypt, 2013.
- Certificate of Honor from the Minister of Health and from Minister of communications & Information Technology for the great effort in the field of early detection of diseases. 2010
- Certificate of Honor from the Minister of Higher Education for supervising a students team that Won the First Position in ROBOCON competition. 2010
- B.Sc. Electronics and Communication Dept, Cairo University, Faculty of Engineering, Distinction with honor degree. 1993

Recent Relevant Publications

1. Ayat A. Nada, Mahmoud A. Fakh, Ahmed F. Seddik, "Assistive Infrared Sensor Based Smart Stick for Blind People", SAI Conference- IEEE Technically Sponsored science and information conference, 28 July 2015, London, United Kingdom.
2. Ayat Nada, Samia Mashali, Mahmoud A. Fakh, Ahmed F. Seddik, "Effective Fast Response Smart Stick for Blind People", Second International Conference on Advances in Bio-Informatics and Environmental Engineering - ICABEE 2015, April 18-19, 2015, Rome, Italy.
3. Fatma Hashim, Nancy Salem, Ahmed Farag Seddik, "Optic disc boundary detection from digital fundus images", Journal of Medical Imaging and Health Informatics, Volume 5, Issue 2, April 2015. (ISI impact factor 0.642)
4. Safaa M Naeem, Ahmed F. Seddik, MA Eldosoky, "New technique based on uterine electromyography nonlinearity for preterm delivery detection", Journal of Engineering and Technology Research, Volume 6, Issue 7, Novembre 2014.
5. Mona A. Farag, Ahmed M. Agamieh, Ahmed Farag Seddik, "Effective Polymer Coating for the Coronary Stent", Jokull, Volume 64, Issue 5, May 2014. (ISI impact factor 1.6)
6. Ashraf Ali Wahba, Nagat Mansour Mohammed Khalifa, Ahmed Farag Seddik, Mohammed Ibrahim El-Adawy, "A finite element model for recognizing breast cancer", Journal of Biomedical Science and Engineering, Volume 7, Issue 5, May 2014.
7. Wedad S. Salem, Ahmed F. Seddik, Hesham F. Ali, "A Review on Brain MRI Image Segmentation", The Second International Conference on New Paradigms in Electronics and Information Technologies PEIT'013, 30 November - 03 December 2013 Luxor, Egypt.
8. Fatma Hashim, Nancy Salem, Ahmed Farag Seddik, "Preprocessing of Color Retinal Fundus Images", The Second International Japan-Egypt Conference on Electronics, Communications and Computers (JEC-ECC 2013), 17-19 December 2013.
9. Ashraf Ali Wahba, Nagat Mansour Mohammed Khalifa, Ahmed Farag Seddik, Mohammed Ibrahim El-Adawy, "Improvement of breast cancer diagnosis using acoustic impedance matching", Jokull, Volume 63, Issue 11, Pages 204-213, November 2013. (ISI impact factor 1.6)
10. Ashraf Ali Wahba, Nagat Mansour Mohammed Khalifa, Ahmed Farag Seddik, Mohammed Ibrahim El-Adawy, "Liver fibrosis recognition using multi-compression elastography technique", Journal of Biomedical Science and Engineering (JBiSE), Volume 6, Issue 11, Pages 1034-1039, November 2013.
11. **Ahmed Farag Seddik, D. M. Shawky, "A Low-Cost Efficient Screening Method for the Detection of Carotid Artery Stenosis and Occlusion", Knowledge-based Systems, Elsevier, Volume 52, Pages 236-245, November 2013. (ISI impact factor 4.1)**
12. Fatma A. Hashim, Nancy M. Salem, Ahmed Farag Seddik, "Automatic Segmentation of Optic Disc from Color Fundus Images", Jokull, Volume 63, Issue 10, Pages 142-153, Oct 2013. (ISI impact factor 1.6)
13. Ahmed Farag Seddik, M E Adawy, A Ismail, "A Computer-Aided Speech Disorders correction System for Arabic Language", The 2nd International Conference on Advances in Biomedical Engineering 2013 (ICABME'13), Lebanon, Sept. 2013.
14. A. Elgarhy, M. T. Alwaked, S. Aboelkheir, Ahmed Farag Seddik, "Development of Dental Autoclave Control System Using Fuzzy Logic and Optimized PID Algorithm", International Journal of Engineering Research & Technology (IJERT), Volume 2, Issue 8, Pages 1002-1008, August 2013.
15. Ahmed Farag Seddik, Riham Amin Hassan and Mahmoud A. Fakhreldein, "SPECTRAL DOMAIN FEATURES FOR OVARIAN CANCER DATA ANALYSIS", Journal of Computer Science, Volume 9, Issue 8, Pages 1061-1068, August 2013.
16. Safaa M. Naeem, Ahmed F. Ali, Mohamed A. Eldosoky, "Comparison between Using Linear and Non-linear Features to Classify Uterine Electromyography Signals of Term and Preterm Deliveries", 30th NATIONAL RADIO SCIENCE CONFERENCE (NRSC 2013) April 16-18, 2013.

17. Ahmed Farag, Mohamed El Adawy, Ahmed Ismail, "A robust speech disorders correction system for Arabic language using visual speech recognition", Biomedical Research, Volume (24), Issue (2), 2013.
18. Ahmed Farag Aly, Amal S. Eldesouky and Kamel A.M.Eid, "Evaluation, Characterization and Cell Viability of Ceramic Scaffold and Nano-gold loaded Ceramic Scaffold for Bone Tissue Engineering", American Journal of Biomedical Sciences, September , 2012.
19. Doaa. M. Shawky and Ahmed F. Ali, "Defining a Measure of Cloud Computing Elasticity", 1st IEEE International Conference on Systems and Computer Science, Villeneuve d'Ascq, France, August 29-31, 2012.
20. MMA Hadhoud, MI Eladawy, A Farag, "Region of Interest Localization of Cardiac Structure from Cine MRI Images", Proceedings of the 2012 Ninth International Conference on Information Technology - New Generations(ITNG '12), Pages 14-17, IEEE Computer Society Washington, DC, USA 2012.
21. Marwa MA Hadhoud, Mohamed I Eladawy, Ahmed Farag, Franco M Montecvecchi, Umberto Morbiducci, "Left Ventricle Segmentation in Cardiac MRI Images", American Journal of Biomedical Engineering, Volume(2), Issue(3), Pages 131-135, Scientific & Academic Publishing, 2012.
22. MMA Hadhoud, MI Eladawy, A. Farag, "Left Ventricle Cavity Segmentation from Cardiac Cine MRI", International Journal of Computer Science Issues (IJCSI), Vol. 9, Issue 2, No 2, March 2012.
23. Ahmed Farag and Mahmoud Fakhreldin, "Heart Localization from Magnetic Resonance Images Sequence", Journal of Computer Science, Volume 8, Issue 4, Pages 499-505, Jan 2012.
24. Marwa M. A. Hadhoud, Mohamed I. Eladawy, Ahmed Farag, "Automatic Global Localization of The Heart From Cine MRI Images", IEEE International Symposium on IT in Medicine & Education (ITME 2011), Guangzhou, China, 9-11 December, 2011.
25. Gian Maria Zaccaria, Marwa M. A. Hadhoud, Elisa De Luca, Giovanna Rizzo, A. Farag, M. Eladawy, Diana Massai, Raffaele Ponzini, Franco Maria Montecvecchi, Massimo Santoro, Umberto Morbiducci, "IMAGE-BASED AUTOMATIC METHOD TO NOT INVASIVELY MONITOR THE HEART RHYTHM OF ZEBRAFISH EMBRYOS", In proceeding of: ESAO 2011 and IFAO 2011, Oct. 2011.
26. Ahmed Farag Aly, Ahmed Agameia, Amal Samir Eldesouky, and Mohamed A. Sharaf," Scaffold Development and Characterization Using CAD System", American Journal of Biomedical Sciences, ISSN: 1937-9080, 2011.
27. Doaa. M. Shawky and Ahmed F. Ali, "A Feature Selection Method Using Misclassified Patterns", International Journal of Computer Theory and Engineering, Vol. 3, No. 5, pp. 643-651, October 2011.
28. Doaa. M. Shawky and Ahmed F. Ali, " A Practical measure for the agility of software development processes", Second IEEE International conference on Computer technology and development (ICCTD2010) , Cairo, Egypt, 2-4 November, 2010.
29. Ahmed Farag Aly, Ahmed Agameia, Amal Samir Eldesouky, and Mohamed A. Sharaf, "Bioceramic Bone Scaffolds for Tissue Engineering", Journal of Applied Sciences Research(JASR), American-Eurasian Network for Scientific Information (AENSI), Vol. 6,No. 11, pp. 1712-1721, November 2010.
30. Ahmed Farag Aly , Ahmed Agameia, Amal Samir Eldesouky, and Mohamed A. Sharaf, "CAD System for Bio-material Characterization", 20th International Conference on Computer theory and applications(ICCTA2010), Alexandria, Egypt , 23-25 October, 2010.
31. Doaa. M. Shawky and Ahmed F. Ali, "Modeling clones evolution in open source systems through chaos theory", Second IEEE International conference on software technology and engineering (ICSTE2010), Puerto Rico, USA, 3-5 October, 2010.
32. Doaa. M. Shawky and Ahmed F. Ali, " An approach for assessing similarity metrics used in metric-based clone detection techniques", Third IEEE International conference on computer science and information technology, Chengdu, China, 9-11 July, 2010.
33. Ahmed Farag, D. M. Shawky, "A Novel Approach for protein classification using Fourier Transform", Journal of World Academy of Science, Engineering and Technology, Issue 68, 2010.

34. M. A. Hassan, Ahmed Farag, M. I. Eladawy, "Classification of the Imagination of the Left and Right Hand Movements Using EEG", The 4th Cairo International Biomedical Engineering Conference, Cairo, Egypt, 18th - 20th December, 2008.
35. E. Monir, E. Sarhan, A. Farag, "Recognition of Human Iris Patterns for Biometric Identification", The Journal of Engineering and Applied Science, Faculty of Engineering, Cairo University, Vol. 54, No. 6, pp. 635-651, December 2007.
36. M. El Adawy, Aan Ali, Ahmed Farag, and AlShimaa Abd-Elaal, "Different Signal Representations For Detection Of Epileptic Seizures In Electroencephalogram", The 2nd IEEE International Computer Engineering Conference, Faculty of Engineering, Cairo University Cairo, Egypt, December 26-28, 2006.
37. M. El Adawy, Aan Ali, Ahmed Farag, and Alshimaa Abd-Elaal, "Multivariate features extraction for detection of epileptic seizures in electroencephalogram", The 4th IEEE International Conference on Information and Communications Technology (ICICT 2006), ITI, Cairo, Egypt, December 2006.
38. Abou zaid Sayed Abou zaid, Waleed Fakhr, Ahmed Farag, "Automatic Diagnosis Of Liver Diseases From Ultrasound Images", The 2006 IEEE International Conference on Computer Engineering & Systems (ICCES'06), Ain Shams University, Cairo, Egypt, November 5-7, 2006.
39. Marwa Hadhoud, Mohamed El Adawy, Ahmed Farag, "Computer Aided Diagnosis of Cardiac Arrhythmias", The 2006 IEEE International Conference on Computer Engineering & Systems (ICCES'06), Ain Shams University, Cairo, Egypt, November 5-7, 2006.
40. Ghada Abdel Razek, Waleed Fakhr, Ahmed Farag, "Content-Based Image retrieval using Color, Texture, Edge Detection, and Shape: A Comparative Study", The IEEE Fourth International Conference on Informatics and Systems, Cairo University (INFOS2006), Cairo, Egypt, March 2006.
41. F. H. Alhadi, W. Fakhr and A. Farag, "Hidden Markov Models for Face Recognition", the IASTED International Conference on Computational Intelligence (CI 2005), Calgary, Canada, July 2005.
42. Farag A., "Spatial and spectral features for early detection of micro calcifications in mammograms", The Journal of Engineering and Applied Science, Faculty of Engineering, Cairo University, April 2005.
43. Farag A., Mashali S., "DCT Based features for the detection of micro calcification in digital mammograms", Proceedings of the 46th Symposium on Circuits and Systems. Cairo, Egypt, 28-30 December 2003.
44. Farag A., "Computer Based Acute Leukemia Classification", Proceedings of the 46th Symposium on Circuits and Systems. Cairo, Egypt, 28-30 December 2003.
45. Farag A., Samir I. Shaheen, "E-Health: Challenges and Opportunities", Proceedings of the Third IEEE International Conference on biomedical engineering, Cairo, Egypt, 28-29 December 2004.
46. Farag A., Shaheen S.I., Mashali S., "New Technique for Motion Estimation to be used in MPEG Systems", The XXIV SPIE Conference, Proceedings of the International Conference on Applications of Digital Image Processing, Vol. 4472, pp.368-376, 2001.
47. Farag A., Shaheen S.I., Mashali S., "Predictive DCT Based Motion Estimation Technique to be used in MPEG Systems", The Proceedings of the First IEEE International Symposium on Signal Processing and Information Technology, Cairo, Egypt, 28-30 December 2001.
48. Shaheen S., Mashali S., Farag A., "Using Intel MMX technology to Accelerate the DCT Based Motion Estimation Algorithm", Internal Report, Cairo University, Computer Engineering Dept., 2000.
49. Farag A., Shaheen S.I., Mashali S., "A New Technique for Motion Estimation to be used in MPEG Systems", The Journal of Engineering and Applied Science, Faculty of Engineering, Cairo University, pp. 695-708, August 2001.