Biography:

Prof. Dr. Abdel-Badeh M Salem is a Head of Artificial Intelligence and Knowledge Engineering Research Labs. To browse the site please visit the following link:http://aiasulab.ga2h.com/About/

Prof. Dr. Abdel-Badeh M Salem is a professor emeritus of Computer Science since September 2007 till now. He was a former Vice Dean of the Faculty of Computer and Information Sciences at Ain Shams University, Cairo-Egypt (1996-2007). He was a professor of Computer Science at Faculty of Science,AinShamsUniversity from 1989 to 1996. He was a Director of Scientific Computing Center atAinShamsUniversity (1984-1990). His research includes intelligent computing, expert systems, medical informatics, and intelligent e-learning technologies. He has published around 200 papers in refereed journals and conference proceedings in these areas. He has been involved in more than 200 conferences and workshops as an Int. Program Committee , organizer and Session Chair. He is author and co-author of 15 Books in English and Arabic Languages.

He was one of the founders of the following events, First Egyptian Workshop on Expert Systems 1987, Int. Cairo Conference on Artificial Intelligence Applications in 1992 and Int. Conf. on Intelligent Computing and Information Systems 2002, and one of the main sustainers of annual Int. Romanian Internet Learning Workshop Project (RILW), 1997. In addition he was Secretary of Egyptian Computer Society (1984-1990), Member of National Committee in Informatics – Academy of Scientific Research and Technology (1992-200), Member of Egyptian Committee in the Inter-Governmental Informatics Program, IIP-UNISCO, Paris (1988-1990) and Coordinator of the Annual International Conference for Statistics, Scientific Computing, and Social and Demographic Research (1983-1990). In addition he was a partner of a MEDCAMPUS Projects on Methodologies and Technologies for Distance Education in Mediterranean (1993-1995)

He is a member of the Editorial Board of the following Journals: Int. Journal of Computing and Information Sciences(IJCIS), Canada; Egyptian Computer Science Journal, EC Newsletter, Education in Computing and Computers in Education, Italy; Scientific Journal of Studia Universitatis Babes-Bolyai, Series Informatica, Cluj – Napoca, Romania; International Journal of intelligent computing in medical sciences and image processing (IC-MED), Japan; Egyptian Journal for Specialized Studies, Faculty of Specific Education,Ain Shams University,Egypt; Int. Journal of Intelligent Computing & Information Science",IJICIS, Egypt; Enformatika Transactions on Engineering, Computing and Technology, World Enformatika Society, Turkey; and Int. Journal of Soft Computing Approaches (IJSCA), Eurojournals.

He is a member of Int. Scientific Societies: American Association of Artificial Intelligence (AAAI), USA; British Computer Society, Expert Systems Specialist Group (SGES), Int. Neural Network Society (INNS), USA; Association for the Advancement of Computing Education (AACE), USA; Int. Society for Computers and their Applications ((ISCA), NC, USA, Dec. 95); Int. Society for Telemedicine & eHealth ISfTeH,, Switzerland; Member of Int. Federation for Information Processing (IFIP) Technical Committee WG 12.5, Knowledge-Oriented Development of Applications, Austria (2000 till now), Member of Int. Association for Science and Technology for Development (IASTED), TC on AI and Expert Systems, Int. Association for Science and Technology for Development, Canada, (2000 till now).

Academic Jobs

1-   Emeritus Professor of Computer Science, Computer Science Department, Faculty of Computer and Information Sciences Ain Shams University , Cairo, Egypt, since Sept. 12, 2007 till new.

2-   Vice Dean for Scientific Research and PostGraduates Studies, & Head of Computer Science Department, Faculty of Computer and Information Sciences Ain Shams University , Cairo, Egypt, since Sept 2006 till Sept. 12, 2007

3-   Dean of the Faculty of Informtion Technology , MISR University for Science & Technology, 6 of October City, Egypt since February 2006 till Sept 2006

4-   Prof. of Computer Science, Computer Science Dept., Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt Since 1996 till now)..

5-   Visting Professor & Vice Dean, Faculty of Science & Information Technology, Al-Balqa Applied University, Jordan ,March 2003 – August 2004, (Prof. Of Computer Science at IT Dept.,Member Board of Faculty of Higher Scientific Research)

6-   Head of Computer Science Department & Vice Dean, Faculty of Computer and Information Sciences,AinShamsUniversity(97- Feb 2003).

7-   Visiting Professor, Faculty of Administration and Economic, King Abdelaziz University,KingdomofSaudi Arabia(1990-1995).

8-   Professor of Computer Science, Faculty of Science, Ain Shams Univesity, (1989-1996).

9-   Director of Scientific Computing Center,AinShamsUniversity. (1984-1990).

Visitor Researacher

1-   Prof. Dr. Hans-Dieter Burkhard Lab of Artificial Intelligence, Intitut Fur Informatik, Humboldt-Universitat Zu Berlin, Berlin, Gerrmany, (July 2006)

2-   Prof. Dr.Klaus Waldschmidt Lab, Techische Informatics, Johann Wolfgane Goethe- Universsitate, Frankfurt am,Main,Germany(July -Sep. 2000).

3-   Applied Knowledge Processing Research Institute, Future Systems Lab,Ulm University,Germany(July 2000).

4-   Neuro Phisology Lab, Max Plank Institute for Brain Research,Frankfurt, Gerrmany (Aug. 2000).

5-   Prof. Dr. Jan Rauch Laboratory for Intelligent Systems, (LISp), Faculty of Informatics & Statistics, University of Economics, Prague, Czech Republic.

6-   Prof. Dr. Mario De Blasé Lab, Informatics Engineering Dept,Lecce University,Italy(July 1993).

National Activities
1-   Secretary of the Egyptian Computer Society (1984-1990).

2-   Member of the National Committee of Informatics,EgyptianAcademyof Scientific Research and Technology (1992-Present).

3-   Founder Member of the Annual International Conference of Artificial Interlligence Applications,Cairo,Egypt. (1992).

4-   Coordinator of many national Workshops and Seminars in the field of informatics.

5-   Coordinator of the International Conference for Statistics, Scientific Computing, and Social and Demographic Research,Cairo,Egypt(1983-1990). The conference was held annually (since 1975 till now) under the auspice of the president ofEgyptand is organized by about 20EgyptianUniversities, Institutions and Scientific Society.

6-   Founder of the "**First International Conference on Intelligent Computing and Information Systems**" ICICIS 2002, June 24-26, 2002, Organizer: Faculty of Computer & Information Sciences, Ain Shams University, Cairo, Egypt (Honorary chair: **Lotfi Zadeh**,University ofCalifornia).

7-   Teaching courses of Computer Science and Informatics in the following Egyptian Universities: Ain Shams, Suez Canal, Zagazig, El-Mansora,Tanta, El-Azhar, Sadat Academy of Management Sciences and National Institute of Transportation.

International Activities

1-   Member of International Federation for Information Processing (IFIP) Technical Committee WG 12.5, Knowledge-Oriented Development of Applications, Austria(2000 till now).

   Chairs : **musen@smi.stanford.edu , studer@aifb.uni-karlsruhe.de**

2-   Member of International Association for Science and Technology for Development (IASTED) TC on AI and Expert Systems, International Association for Science and Technology for Development, Canda, (2000 till now).

3-   One of the main sustainers of annual International Romanian Internet Learning Workshop Project (RILW), starting from 1997.

4-   Lecturer and Partner of the MED-CAMPUS Project "Methodologies & Technologies for Distance Education in theMediterranean", European Union, Community of Mediterranean Universities (1993-1995).

5-   Lecturer and Partner of the MED-CAMPUS Project "Creating a skilled work force for an information based socity", (1993-1995).

6-   Member of the Intergovernmental Informatics Programme Committee (IIP), UNESCO,Paris,France(1988-1990).

7-   Attending and Participating of about 60 International Conferences and Workshops on Informatics fields the following countries: USA, Canada, France, Scotland, Italy, Spain, Sweden, Belgium, Austrain, Hungary, Turkey, Netherlands, Finland, Greec, Czech Republic, Slovakia, Portogal, Germany, Syria, Tunisia, Kingdom of Saudi Arabia,Lebanon,Qater,Jordan.

Membership of International Scientific societies

1-   World Academyof Biomedical Technologies, WABT, Paris, France, 2007, www.wabt-house.org.

2-   International Society for Telemedicine and eHealth, ISfTeH, zuirch, Switzerland, 2007, www.isft.net.

3-   International Vocational Education and Traning Association, IVETA, Minnesota USA, 2007, www.iveta.org

4-   American Association of Artificial Intelligence (AAAI),USA(memebership #26798)

5-   British Computer Society, Expert Systems Specialist Group (SGES).

6-   International Neural Network Society (INNS),USA.

7-   Association for the Advancement of Computing Education (AACE),USA.

8-   International Society for Computers and their Applications ((ISCA), NC,USA(membership No. 930039, Dec. 95)

Academic Honors, Grants and Awards (Dates – Grantor)

(1)   International Informatics Directory of Expert, Intergovernmental Informatics Program (IIP), UNESCO,Paris,France, 1992.

(2)   African Informatics Directory for Experts, UNESCO,Nairobi,Kenya, 1994.

(3)   International Encyclopedia for Intellectuals (**Who's Who**) Cambridge, England, 1995-1996.
(4)   Medal of Egyptian Old Soldiers Society, 1986.

(5)   Medal,Faculty of Education June 1979, Qatar.

(6)   The 20th Century Award for Achievement, International Biographical Center,Cambridge,England.

(7)   International Cultural Diploma of Honor, American Biographical Institute,USA, 1995.

(8)   Certificate, Egyptian Computer Society, Silver Jovial, 1985.

(9)   Certificate, Turkish Ministry of Education, First International Seminar on Distance Education, 1996.

(10)   Certificate,KingAbdel-AzizUniversity,Jeddah,Saudi Arabia, 1995.

(11)   Certificate,Academy of Scientific Research and Technology,Computer Science Award,Cairo,Egypt,1995.

Supervision of PhD and MSc theses
Supervision of 83 PhD and MSc students from the following:

Ain Shams University – Faculty of Computers and Information Sciences (35).

Ain Shams University – Faculty of Specific Education (15).

AinShamsUniversity– Institute of Environmental Studies and Research (5).

Ain Shams University – Faculty of Science (6).

AinShamsUniversity– Faculty of Education (2).

Ain Shams University – Faculty of Commerce (2).

CairoUnivesity - Faculty of Science (1).

Zagazig Univesity - Faculty of Engineering (3).

Helwan Univesity - Faculty of Computers and Information Sciences (6).

Monofia Univesity - Faculty of Computers and Information Sciences (1).

Asuit Univesity - Faculty of Science (1).

Menya Univesity - Faculty of Science (1).

SouthValleyUniversity-Faculty of Science (2).

Faculty of Technical Army (1).

KingAbdelazizUniversity– Faculty of Economics and Administration (2).

Publications during (2006-2011)

2011

1. **"Geospatial Multi-agent System for Urban Search and Rescue"** *Heba Gaber, Safaa Amin, Abdel-Badeeh M. Salem, Proc.of the* 15th WSEAS International Conference on Computers, Corfu Island, Greece ,July 15-17, 2011, Book of Recent Researches in Computer Science ,indexed by ISI, www.worldses.org/indexes, World Scientific and Engineering Academy and Society(WSEAS),PP 76-81,ISSN: 1792-4251, July,2011.

1. "**Knowledge Engineering for Medical Decision Support Systems** ",*15th WSAES and NAUN , Multi-Conference on Circuits, Systems, Communications and Computers CSCC (Computers),2011*,Corfu Island, Greece, July 14-18, 2011. Book of Recent Researches in Computer Science, indexed by ISI, www.worldses.org/indexes, World Scientific and Engineering Academy and Society(WSEAS), PP 22, ISSN: 1792-4251, July, 2011.

1. "**Intellectual E-Learning Systems**", Proc. Of the Annual International Conference on"Virtual and Augmented Reality in Education" (VARE 2011) (combined with EEA and Norwegien Finansial Instruments project practical conference"VR/AR Applications in Training"), Vidzeme University of Applied Sciences, Valmiera, Latvia, ,PP   … 18 March 2011.

1. **4.** "**ONTOLOGY-BASED COLLABORATIVE MODEL FOR E-Learning**", Sarma Cakula,Abdel-Badeeh M. Salem, Proc.of the Annual International Conference on"Virtual and Augmented Reality in Education" (VARE 2011) (combined with EEA and Norwegien Finansial Instruments project practical conference"VR/AR Applications in Training"), Vidzeme University of Applied Sciences,   Valmiera, Latvia,PP….. 18 March 2011.

1. **5. "Multi model human computer interaction system based on gaze tracking and speech recognition",** Howida Abdelfattaah Shedeed, Abdlel-Badeeh M. Salem Proc. of the International Conference – 4th Edition ,Electronics, Computers and Artificial Intelligenc, ECAI 2011 , Volume 7.20,PP 23-34, 30 June -2 July, 2011, Piteşti, ROMÂNIA

1. **"CORBA-BASED MULTI-AGENT SYSTEM FOR REALISTIC URBAN SEARCH AND RESCUE",** HEBA GABER, SAFAA AMIN, ABDEL-BADEEH M.SALEM , Proc. of the International Conference – 4th Edition- on Electronics, Computers and Artificial Intelligenc- ECAI 2011 , Volume 7.20, PP 103-112, 30 June -2 July, 2011, Piteşti, ROMÂNIA

2010

1. "**An agent-based modeling for pandemic influenza in Egypt**", Khaled M. Khalil, M. Abdel-Aziz, Taymour T. Nazmy, Abdel-Badeeh M. Salem. INFOS2010: 7th International Conference on Informatics and Systems, Cairo, Egypt, AOM 24-30, 2010.

1. "**Artificial Immune System Metaphor for Agent Based Crisis Response Operations**", Khaled M. Khalil, M. Abdel-Aziz, Taymour T. Nazmy, Abdel-Badeeh M. Salem.. Submitted to MATES2010: Eighth German Conference on Multi Agents System Technologies, Karlsruhe, Germany, September 21-23,2010.

1. "**A Breast Cancer Classifier based on a Combination of Case-Based Reasoning and Ontology Approach**", Abdrabou, E. A. M. & Salem, A. B. . *Proc. of 2nd International Multi-conference on Computer Science and Information Technology.* IMCSIT 2010, Wisła , Poland,2010.

1. **" A Hybrid Case-Based Reasoning and Neural Network Approach for the Prediction of Heart-Disease",** Abdrabou, E. A. M. & Salem, A. B.. *Proc. of 10th International Conference On Information- ICI 10.* Delta University for Science and Technology, Gamasa, Egypt,2010.

1. "**Web-Based Ontologies for Breast and Lung Cancer**", Abdel-Badeeh M. Salem, Marco Alfonse, Accepted for Publication in EURO-MEDITERRANEAN MEDICAL INFORMATICS and TELEMEDICINE (EMMIT 2010), 6th International Conference. Split, Croatia. September 26–28, 2010.

1. "**Ontological Engineering in Bioinformatics",** Abdel-Badeeh M. Salem, Marco Alfonse. Accepted for Publication in ICI 10 - 10th International Conference on Information at Delta University for Science and Technology, Gamasa, Egypt, 4 – 6 December 2010.

1. **"A Combined Coordination Technique for Multi-Agent Path Planning",** Heba Gaber, Safaa Amin, Abdel-Badeeh M. Salem, IEEE *Proc.of 10th International Conference on Intelligent Systems Design and Applications(ISDA),* PP 563-568, *,Cairo,Egypt,November 2010.*

1. **"Clustering-based approach for detecting breast cancer recurrence",** Smaranda Belciug, Florin Gorunescu, Abdel-Badeeh Salem, Marina Gorunescu, IEEE *Proc.of 10th International Conference on Intelligent Systems Design and Applications(ISDA),* PP 533-538, *,Cairo,Egypt,November 2010.*

1. *15.* **"Intelligent Techniques for Business Intelligence in Healthcare",** Maria Antonina Mach, Abdel-Badeeh M. Salem, IEEE *Proc.of 10th International Conference on Intelligent Systems Design and Applications(ISDA),* PP 545-550, *,Cairo,Egypt,November 2010.*

1. **"Scalable Varied Density Clustering Algorithm for Large Datasets",** Ahmed Fahim1, Abd-Elbadeeh Salem2, Fawzy Torkey3, Mohamed Ramadan4, Gunter Saake, *J. Software Engineering & Applications*, 2010, 3, 593-602 doi:10.4236/jsea.2010.36069 Published Online June 2010 (http://www.SciRP.org/journal/jsea).

1. **"Exploring the Role of Glycosylated Hemoglobin as a Marker for Type 2 Diabetes Mellitus Using Rough Sets",** Kenneth Revett, Abdel-Badee salem, Proc. Of The 7th International Conference on INFOrmatics and Systems (INFOS 2010) – (Advances in Data Engineering and Management (ADEM) Track), PP:ADEM 88 -94 , 28-30 March ,Faculty of Computers and Information - Cairo University,Egypt.

2009

1. "**Machine Learning Techniques in Electrocardiogram Diagnosis**",Abdel-Badeeh M. Salem, Kenneth Revett and El-Sayed A. El-Dahshan, ACM Proc. of 4th international conference on Intelligent Computing and Information Systems, ICICIS 2009,International workshop on medical informatics and eHealth, ISSN: 1687-1103, PP. 260-265, Ain Shams University, Cairo, Egypt, March 2009.

1. "**A Machine Learning Approach to Artefact Extraction from Independent Components Derived from EEG Datasets**", Kenneth Revett, Florin Gorunescu, Abdel-Badeeh M. Salem , and El-Sayed A. El-Dahshan, ACM Proc. of 4th international conference on Intelligent Computing and Information Systems, ICICIS 2009, International workshop on medical informatics and eHealth,ISSN:1687-1103, pp. 184-189,Ain Shams University Cairo, Egypt, March 2009.

1. "**A Machine Learning-Based Diagnosis For Liver Diseases Using The Fibroscan Medical Ultrasound Technique",** Marina Gorunescu, Smaranda Belciug, Abdel-Badeeh M. Salem, Monica Lupşor, Radu Badea, and Horia Stefănescu, ACM Proc. of 4th international conference on Intelligent Computing and Information Systems, ICICIS 2009, International workshop on medical informatics and eHealth, ISSN: 1687-1103, pp. 243-248, Cairo, Egypt, March 2009.

1. **"PSISAWeb:A Web Service for Searching Protein Structures"** , Abdel-Badeeh M. Salem, I. M. El-Henawy, Tarek F. Gharib and A. Salah, ACM Proc. of 4th international conference on Intelligent Computing and Information Systems,ICICIS 2009, International workshop on medical informatics and eHealth, ISSN: 1687-1103,pp. 249-252, Ain Shams University, Cairo, Egypt, March 2009.

1. "**Application of a Rough Set in Web Log Mining",** Abdel-Badeeh M. Salem, Wael H. Khalifa, Egyptian Computer Science Journal Volume 31 Number 2, ISSN: 1110-2586, PP. 38-49, January 2009 .

1. **" Machine-to-Machine Interaction to knowledge base Sharing",** Khaled A. El_Bahnasy, Nagwa Lotfy Badr, Senan A. Ghallab, Abdel-Badeeh M. Salem, ACM Proc. of 4th international conference on Intelligent Computing and Information Systems, ICICIS 2009,ISSN: 1687-1103, pp. 491-495, Ain Shams University, Cairo, Egypt, March 2009.

1. **"Application of Case-Based Reasoning Frameworks in a Medical Classifier".** Abdrabou, E. A. M. & Salem, A. B. *ACM Proc. of Fourth International Conference on Intelligent Computing and Information Systems (ICICIS 2009),Ain Shams University,* Cairo, Egypt, ISSN: 1687-1103, pp. 253-259, 2009.

1. "**eZ-CBR: A Generic Tool for Case-Based Reasoning**", Abdrabou, E. A. M. & Salem, A. B. , *Proc. of 2nd International Conference on e-Health and Bioengineering - EHB 2009*, Iaşi-Constanţa, Romania,PP   ,2009.

1. **"Multi-Agent Crisis Response systems – Design Requirements and Analysis of Current Systems"**, Khaled M. Khalil, M. Abdel-Aziz, Taymour T. Nazmy, Abdel-Badeeh M. Salem. ACM Proc. Of Fourth International Conference on Intelligence Computing and Information Systems, ICICIS ,Ain Shams University, Cairo, Egypt, ISSN: 1687-1103,pp. 920-925, 2009.

1. **"Bridging the Gap between Crisis Response Operations and Systems**".Khaled M. Khalil, M. Abdel-Aziz, Taymour T. Nazmy, Abdel-Badeeh M. Salem. Annals of University of Craiova, Mathematics and Computer Science Series, Volume 36(2), ISSN: 1223-6934, pp. 141 -145, 2009.

1. "**Ontological Engineering Approach for Breast Cancer Knowledge Management" .**Abdel-Badeeh M. Salem, Marco Alfonse. Proc. of Med-e-Tel, the International eHealth, Telemedicine and Health ICT for Education, Networking and Business. PP 320-324, Luxembourg. March 30 – April 5, 2009.

1. **"Using data mining for assessing diagnosis of breast cancer**", Medhat Mohamed Ahmed Abdelaal, Muhamed Wael Farouq, Hala Abou Sena, Abdel-Badeeh Mohamed Salem,Proceedings of the International Multiconference on Computer Science and Information Technology pp. 11–17, ISSN 1896-7094,Poland.

1. "**Hierarchical Case-Based Reasoning Behavior Control for Humanoid Robot**",Bassant Mohamed El-Bagoury, Abdel-Badeeh M. Salem, and Hans-Dieter Burkhard, Annals of University of Craiova, Mathematics and Computer Science Series, Volume 36(2), ISSN: 1223-6934, pp. 131 -140, 2009.

1. "**Evaluation of the Feature Space of an Erythematosquamous Dataset Using Rough Sets",** Kenneth Revett, Florin Gorunescu, Abdel-Badeeh Salem,and El-Sayed El-Dahshan ,Annals of University of Craiova, Mathematics and Computer Science Series, Volume 36(2), ISSN: 1223-6934, pp. 123 -130, 2009.

1. **"An Efficient K-Means with Good Initial Starting Points" ,** Fahim A.M. Salem A. M. Torkey F. A. Ramadan M. A. Saake G., Georgian Electronic Scientific Journal: Computer Science and Telecommunications|No.2(19),47-57,2009.

1. "**Enhanced Density Based Spatial clustering of Application with Noise**", Fahim A., Saake G., Salem A., Torkey F., and Ramad, The 2009 International Conference on Data Mining, Las Vegas, Nevada, USA, July 2009, pp. 517-523.

1. **" Improved DBSCAN for spatial databases with noise and different densities",** Fahim A., Saake G., Salem A., Torkey F., and Ramadan M., " Georgian ElectronicScientific Journal: Computer Science and Telecommunications Vol. 3(20) 2009 ,pp. 53-60.

1. **"PSISAWeb: A Web Service for Searching Protein Structures",** A. Salah, Tarek F., Abdel-Badeeh M. Salem, I. M. El Henawy, ICICIS 2009

2008

1. "**Protein Structure Searching using Suffix Arrays**", Tarek F. Gharib, A. Salah, I. M. El Henawy and Abdel –Badeeh M. Salem, International Conference on Bioinformatics & Computational Biology (BIOCOMP), USA, pp. 688-691, July 2008.

1. "**PSISA: An Algorithm for Indexing and Searching Protein Stucture using Suffix Array"**, Tarek F. Gharib, A. Salah, Abdel –Badeeh M. Salem, , The WSEAS International Conference on Computers, Crete Island, Greece, pp. 775-780, July 2008.

1. "**Merging Two Web Based Breast Cancer Ontologies**", Abdel-Badeeh M. Salem, Macro Alfonse, Accepted for publication in the Timisoara Medical Journal (TMJ), Romania, 2008.

1. **"A Rough Set Approach for Web Usage Mining",** Abdel-Badeeh M. Salem, Shaimaa Arafat, Wael H. Khalifa, 14th International Conference on Soft Computing MENDEL, Brno, Czech Republic, pp. 281-286, 2008.

1. "**Medical Diagnosis using Artificial Intelligence Technology",** Abdel-Badeeh M. Salem, Global Telemedicine and eHealth Updates: Knowledge Resources, Vol. 1, pp.88-91,ISSN 1998-5509,Luxexpo, Luxembourg 2008.

1. "**The Role of Artificial Intelligence Technologies in Crisis Response**", Khaled M. Khalil, Abdel-Badeeh M. Salem, Taymour Nazmy, Mohamed Abde;-Aziz, MENDEL, Brno, Czech Republic, pp. 293-298, June 18-20, 2008.

1. " **Case-Based Reasoning Tools from Shells to Object-Oriented Frameworks**", Abdrabou, E. A. M. & Salem, A. B. *Advanced Studies in Software and Knowledge Engineering- Supplement to the International Journal "INFORMATION TECHNOLOGIES & KNOWLEDGE"* Ed. Krassimir Markov, Krassimira Ivanova, Ilia Mitov Sofia: Institute of Information Theories and Applications FOI ITHEA, pp. 37-44,2008.

1. " **Case-Based Reasoning Tools from Shells to Object-Oriented Frameworks**", Abdrabou, E. A. M. & Salem, A. B. *Proc. of the 12th WSEAS international conference on Computers,* Heraklion, Greece, pp. 781-786, 2008.

1. "**Ontology versus Semantic Networks for Medical Knowledge Representation**". Abdel-Badeeh M. Salem, Marco Alfonse. Proc. of 12th WSEAS CSCC Multiconference (Computers). Heraklion, Crete Island, Greece, PP 769-774, July 22-25, 2008.

1. "**The Role of Artificial Intelligence Technologies in Crisis Response**". Khaled M. Khalil, M. Abdel-Aziz, Taymour T. Nazmy, Abdel-Badeeh M. Salem. Mendel Conference, Proc. of 14th International Conference on Soft Computing, Brno, Czeck Rep. ,pp. 293-298, 2008.

1. "**K-Means for Spherical Clusters with Large Variance in Sizes**", Fahim A., Saake G., Salem A., Torkey F., and Ramadan M., proceedings of World Academy of Science, Engineering, and Technology, Volume 35, November 2008, pp. 177-182.

1. "**DCBOR: A Density Clustering Based on Outlier Removal**", Fahim A., Saake G., Salem A., Torkey F., and Ramadan M., proceedings of World Academy of Science, Engineering and Technology, Volume 35, November 2008, pp. 171-176.

2007

1. **"Ideas of Case-Based Reasoning for Keyframe Technique",Hans-Dieter,** Abdel- Badea Salem, Bassant Mohamrd El Bagoury, Proceedings of the XVIth International Workshop on the Concurrency Specification and Programming, CS & P 2007,Logow, Warsa, Poland, PP 100-106, 27-29 September 2007.

1. **"Grid Computing: A New Paradigm For Healthcare Technologies / Applications",** Abdel-Badeeh M. Salem and Efstratia Mourtou, Proceedings of 1st National Symposium on e-Health and Bioengineering - EHB 2007, IAŞI, ROMANIA, PP 172 -176, 16-17th November, 2007.

1. "**Ontological Engineering in Medicine".** Abdel-Badeeh M. Salem, Marco Alfonse. Medical Informatics Workshop, Third International Conference on Intelligent Computing and Information Systems, Cairo, Egypt, PP 59-74, 2007.

1. **"Building Web-Based Lung Cancer Ontology**". Abdel-Badeeh M. Salem, Marco Alfonse. 1st National Symposium on e-Health and Bioengineering, EHB 2007, IAŞI, ROMANIA, PP 177-182, 16-17th November, 2007. (Also published in The International Journal of Soft Computing Applications, (IJSCA), EuroJournals, Austria, www.eurojournals.com, ISSN: 1453-2277 Issue 2, PP 5-14, 2008).

1. **"Case Based Reasoning Technology for Medical Diagnosis",** Abdel-Badeeh M. Salem**,** Proceedings of World Academy of Science, Engineering And Technology, CESSE, Venice, Italy, Volume 25, PP 9-13, November 2007.

1. **"Modelling and Analyzing a Hospital Procedure using a Petri-Net Approach",** Mourtou Efstratia, Abdel-Badeeh M. Salem, Pavlidis George, Proceedings of World Academy of Science, Engineering And Technology, CESSE, Venice, Italy, Volume 25, PP 98-102, November 2007.

1. **"The Role of Artificial Intelligence Technology in Education",** Abdel-Badeeh M. Salem**,** Proceedings of 5th International Conference on Emerging e-learning Technologies and Applications, Information and Communication Technologies in Learning, ICETA, Slovakia, PP 1-9, September 2007.

1. **"Web Intelligence: A New Paradigm for Virtual Communities and Web Science",** Abdel-Badeeh M. Salem, Proceedings of 8th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Nis, Serbia, PP 33-35, September 2007.

1. **"Intelligent Web-Based System: A Proposed Model for e-Lab Services" ,** Abdel-Badeeh M. Salem and Baloglu Arzu, International Journal of Soft Computing Applications (IJSCA), EuroJournals, Austria, www.eurojournals.com, Accepted for Publication.

1. **"Mobile Agent Interactive Role in e-Learning Environment",** Abdel-Badeeh M. Salem, Mona N. Nasr, Proceedings of 7th International Conference on Information Informatics: Promises & Challenges - Delta Academy of Science, Eszterhazy Karoly College, Hungary, Open University, Malaysia, Texas A&M University, USA - Mansoura, Egypt, 12-15 November 2007.

1. **"Intelligent Technologies for Medical e-Learning",** Abdel-Badeeh M. Salem, Proceedings of 7th International Conference on Information Informatics: Promises & Challenges - Delta Academy of Science, Eszterhazy Karoly College, Hungary, Open University, Malaysia, Texas A&M University, USA - Mansoura, Egypt, 12-15 November 2007.

1. **"Protein Structure Searching using Suffix Arrays",** Abdel-Badeeh M. Salem, Tarek F. Gharib, A. Salah, I.M. El Henawy, Proceedings of 7th International Conference on Information Informatics: Promises & Challenges - Delta Academy of Science, Eszterhazy Karoly College, Hungary, Open University, Malaysia, Texas A&M University, USA - Mansoura, Egypt, 12-15 November 2007.

1. **"Case-Based Reasoning Tools from Shells to Object-Oriented Frameworks",** Abdel-Badeeh M. Salem, Essam Amin M. Lotfy, Proceedings of 7th International Conference on Information Informatics: Promises & Challenges - Delta Academy of Science, Eszterhazy Karoly College, Hungary, Open University, Malaysia, Texas A&M University, USA - Mansoura, Egypt, 12-15 November 2007.

1. **"Case-Based Reasoning Tools- A Survey**", Abdrabou, E. A. M. & Salem, A. B.. Proceedings of 7th International Conference on Information Informatics: Promises & Challenges - Delta Academy of Science, Eszterhazy Karoly College, Hungary, Open University, Malaysia, Texas A&M University, USA - Mansoura, Egypt, 12-15 November 2007.

1. **"Applying The Genetic Algorithms Approach For Mining Medical Data",** Abdel-Badeeh M.Salem And Abeer M. Mahmoud, Proceedings of 5th International Conference on Information Communication Technologies in Health, ICICTH Samos Island, Greece, July 2007.

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