CURRICULUM VITAE

PERSONAL DATA

NAME:	Reem Mohamed Reda Bahgat
GENDER:	Female
BUSINESS ADDRESS (Egypt):	Faculty of Computers and Artificial Intelligence – Cairo University, 5 Ahmed Zewail Street, Orman, Dokki, Giza 12613, Egypt Tel: (202) 33350178 Fax: (202) 33350109 Email: r.bahgat@fci-cu.edu.eg
BUSINESS ADDRESS (UK):	Egyptian Bureau for Cultural and Educational Affairs, 4 Chesterfield Gardens, Mayfair, London W1J 5BG Tel: +44 2074917720 Fax: +442076295634 Email: counsellor@egyculture.org.uk

ACADEMIC QUALIFICATIONS

PhD. in COMPUTER SCIENCE, April 1991

Dept. of Computing, Imperial College, Univ. of London, U.K.

D.I.C (DIPLOMA of Imperial College) in COMPUTER SCIENCE, April 1987

Dept. of Computing, Imperial College, Univ. of London, U.K.

MSc. in COMPUTER SCIENCE, January 1987

Dept. of Computing, Imperial College, Univ. of London, U.K.

BSc. in COMPUTING & STATISTICS, June 1985

Dept. of Mathematics, Faculty of Science, Kuwait University, Kuwait.

CURRENT EMPLOYMENT

Since May16, Egyptian Cultural Counsellor and Head of Educational Mission, for UK & Ireland, Ministry of Higher Education & Scientific Research of Egypt.

Since Nov14, Professor at Computer Science Dept., Faculty of Computers & Information, Cairo Univ.

PREVIOUS EMPLOYMENT RECORD

Dec14-May16, Assistant to Cairo University President for Informatics and Information Technology

Jan09-Nov14, Dean, Faculty of Computers & Information, Cairo University.

June06-Jan09, Vice Dean for Postgraduate Studies and Research, Faculty of Computers & Information, Cairo Univ.

August03-July06, Professor and Head of Dept of Computer Science, Faculty of Computers & Information, Cairo Univ.

Oct.98-June03, Associate Prof., Dept of Computer Science, Faculty of Computers & Information, Cairo Univ.

March98-Sept98, Associate Prof., Dept. of Computer & Info. Sciences, Institute of Statistical Studies and Research, Cairo Univ.

Feb.93-Feb.98, Assistant Prof., Dept. of Computer & Info. Sciences, Institute of Statistical Studies and Research, Cairo Univ.

Jan. 91-June92, Lecturer (Assist. Prof.), Dept. of Computer Science, The City University, London, U.K. Sept. 88- Dec. 90, Teaching Assistant, Dept. of Computing, Imperial College, Univ. of London, U.K.

PART TIME SECONDMENT

Dec14- May16, The ICT Member of the Selection Committee, Science and Technology Development Fund (STDF), Ministry of Scientific Research, Egypt.

Jan06-Jan09, Deputy Director, Center for Documentation of Cultural and Natural Heritage (CULTNAT), Affiliated to Bibliotheca Alexandrina and supported by Ministry of Communications and Information Technology, located in Smart Village, Giza, Egypt

Feb00-Jan06, Assistant Director, Center for Documentation of Cultural and Natural Heritage (CULTNAT), Affiliated to Bibliotheca Alexandrina and supported by Ministry of Communications and Information Technology, located in Smart Village, Giza, Egypt.

CONSULTANCY WORK

Jan09-Dec12, Senior Consultant, Center for Documentation of Cultural and Natural Heritage, Affiliated to Bibliotheca Alexandrina and supported by Ministry of Communications and Information Technology, located in Smart Village, Giza, Egypt

April94- April96, Consultant of Cultureware Projects, The Cabinet Information and Decision Support Center (IDSC), Cairo - Egypt.

March93-March94, Consultant of Cultureware Projects, The Regional Information Technology and Software Engineering Center (RITSEC), Cairo - Egypt.

1997, Consultant to Sakhr Company for Building Intelligent Scheduling Systems for Educational Institutes.

ACADEMIC AWARDS and SCHOLARSHIPS

1996	Awarded A.H. Gardiner Scholarship by Griffith Institute for research in the usage of Info. Tech. In Egyptology, Oxford, U.K.
1991	The PhD Thesis recommended for the British Computer Society Distinguished Dissertation, U.K.
1987-1990	Awarded Distinction Scholarship by Univ. of London for graduate studies at Imperial College, Univ. of London, U.K.
1987- 1990	Awarded the Overseas Research Studies for graduate studies at Imperial College, Univ. of London, U.K.
1986	Awarded "Distinction" in the MSc. Course examinations, Imperial College, Univ. of London, U.K.
1985	Awarded the prize of "Kuwait Foundation for the Scientific Advancement", for highest Cumulative GPA in Kuwait University, Kuwait.
1981-1985	Awarded "first honour", in Dept. of Mathematics, Faculty of Science, Kuwait University, Kuwait.

INVOLVEMENT IN INTERNATIONAL & NATIONAL PROJECTS

1. Principal Investigator in JMSE, 530637-Tempus-1-2012-1-PS-Tempus-JPCR, 2012-2015 (extended to Oct 2016), the project aims to develop a joint MSC in software engineering and to implement it in the MEA partner universities. Partners are: Birzeit University (coordinator), Cairo University, AlQuds University, Islamic University of Gaza, EELU, Helwan University, Free University of Bozen, Middlesex University, University of Koblenz-Landau, and Harokopion University of Athens.
2. Principal Investigator in InfrArtSonic, INCO-CT-2005-015338 Project, 2006-2008, for using non-destructive techniques in the analysis and documentation of artworks. Partners are: Ormylia Center in Greece (coordinator), Aristotle University of Thessaloniki in Greece, Center for Documentation of Cultural and Natural Heritage in Egypt, Fraunhofer Institute for Computer Graphics in Germany, Interuniversity Consortium on Science and Technology of Materials in Italy, Royal Scientific Society in Jordan, The Holy Archbishopric of Cyprus Laboratory of Restoration in Cyprus, and University of Balamand in Lebanon.
3. As Assistant Director and then Deputy Director of CULTNAT, I managed several internationally award winning projects in the digital documentation of the tangible heritage of Egypt, such as: The Archeological Map of Egypt, The Architectural Heritage and Urban Heritage of Egypt, The Documentation of Scientific Islamic Manuscripts, and the Eternal Egypt Portal www.eternalegypt.org.
4. The Egyptian Partner (Principal Investigator) in "MedMultiTrain", a MedCampus Project, 1994-95, for innovative Multimedia Training in banking environment. Partners are: Imperial College (London University-England), University of East Anglia (England), University of Cyprus (coordinator), University of Piraeus (Greece), Ethnodata (Greece), and Cairo University.
5. The Egyptian Partner (Principal Investigator) in "Electronic Roads in the Information Society", an INCO-DC Project, 1998-2001, Research project on distributed multimedia systems and networking.
6. Egyptian Team Member in "Development of Upgraded Science and Engineering Education in Southern Mediterranean Universities through the Use of Telematics Technologies", joint sponsorship between UNESCO Cairo Office and European Commission, 1998-2000.
7. As a Consultant of the Cultureware projects for the Cabinet Information and Decision Support Center in Egypt, I contributed in the following:

   a. The design and implementation of a knowledge-based system for the detailed

description of scenes on Egyptian antiquities, applied in the Egyptian Museum-Cairo.

b. The development of the National Plan for Cultural Preservation using Information Technology, for the Ministry of Culture.

ATTENDED TRAININGS

- "External Reviewer" "**المراجع الخارجي**", NAQAAE, Egypt 2015.
- "Leadership and Strategic Planning", DAAD, Cairo-Egypt, 2013.
- "Strategic Planning" "**التخطيط الإستراتيجي**", FCI-Cairo University, Egypt 2011.
- "Practices & Proofs" "**الممارسات والشواهد والأدلة**", NAQAAE, Egypt 2010.
- "External Reviewer (Short)" "**المراجع الخارجي (مختصرة)**", NAQAAE, Egypt 2010.
- "Self Assessment" "**التقويم الذاتي**", NAQAAE, Egypt 2010.
- "Quality-based Education", UNESCO, Lebanon 2000
- "Living Values Education Train-The-Trainer", Living Values Education International, UK 1999
- "Self-Management Leadership Train-The-Trainer", Oxford Leadership Academy, UK 1997
- "Educators Skills Training" "دورة إعداد المعلم الجامعي", Cairo University, Egypt 1993
- "Educators Skills Training", City University, 1991

Current MEMBERSHIP

- ACM.
- IEEE.
- The British-Egyptian Society – UK, since July 2016

PREVIOUS MEMBERSHIP

- The scientific Committee for promotion in the fields of Computers and Information, Ministry of Higher Education, Egypt, January 2013-May2016.
- The Committee of Communications and Information Technology Research, Academy of Scientific Research and Technology, Ministry of Higher Education, Egypt, 2008-2016.
- The Selection Committee, Science and Technology Development Fund, the Egyptian Ministry for Scientific Research, Dec.14-May16.
- Member of The Board of Trustees for the Egyptian International Nile Certificate, 2015-2016.
- Member of the ITAC Steering Committee, Ministry of Communications and Information Technology, 2015-2016
- The Scientific Cultural Committee, Ministry of Culture, 2014-2015.
- The ICT Sub-Committee at the National Committee of UNESCO-ALEXO-ISISCO
- The ICT Planning Sector Committee, Ministry of Higher Education, Egypt, 2008-2009
- The ICT Executing Sector Committee, Ministry of Higher Education, Egypt, 2009-2014.

TEACHING ACTIVITIES

- Teaching undergraduate and post-graduate courses since 1989, at Faculty of Computers & Information – Cairo University, Institute of Statistical Studies & Research – Cairo University, City University – UK, Imperial College – UK and Trondheim University – Norway.
- Courses taught: Pascal, C, C++, Logic Programming, Parallel Logic Programming, Compilers, Concepts of Programming Languages, Computer Architecture, Introduction to Computer Science, Artificial Intelligence, Discrete Logic, Multi-Agent Systems and Technologies.

RESEARCH THESES SUPERVISION

Supervised about (55) MSc and (15) PhD Theses at Cairo University, Mansoura University, Zagazig University, Asyut University, Minia University, and City University – UK.

RESEARCH EVALUATION

- Evaluating research work submitted for the scientific promotion in Egypt as well as in other Arabic Countries.
- Evaluating papers submitted for publication in several Journals and Conferences in Egypt and internationally
- Evaluating Research Projects submitted to ITAC – Ministry of Communications and Information Technology
- Evaluating Research Projects submitted to STDF – Ministry of Scientific Research
- Evaluating Research Projects submitted to Cairo University

SCIENTIFIC CONFERENCE/WORKSHOP ORGANIZER

- Organized many scientific conferences starting with the UK National Logic Programming Conference in 1992 in UK
- Organizing INFOS2008, and Chairing and co-organizing INFOS2010, 2012, and 2014 – IEEE Technically Sponsored Conference held in Egypt.
- Organized many workshops and seminars starting with 3-day software engineering workshop with UN International University in 1994 (took place in Egypt).

MEMORANDUM OF UNDERSTANDINGS WITH UK UNIVERSITIES

As the Egyptian Cultural Counsellor and Head of the Education Mission in UK, a number of MoUs have been signed by top Universities in UK to reduce the fees on Egyptian Students that are funded by the Egyptian Ministry of Higher Education and Scientific Research, to allow for students to be enrolled in highly reputable universities. Examples of UK Universities who signed such MoUs are Cambridge (represented by Cambridge Trust), Faculty of Engineering at Imperial College London, UCL, Glasgow, Durham, Southampton, Manchester, York, Surrey, and Loughborough.

SCIENTIFIC/CULTURAL EVENTS ORGANIZER at the Egyptian Cultural Center-UK

- Organized Scientific Conference for Egyptian Researchers in UK
- Organized many scientific and cultural talks at the Egyptian Cultural Center in UK, from May 2016 till now, such as talks by Dr Mostafa El-Feki (Culture), Archbishop Angaelos (History), Dr Waseem El-Sisi (History), Mr Yasser Ibrahim (Economy), Dr Omnia AbdelBar (History), Dr Heba Saleh (Art and Caligraphy), Oliver Butterworth (Classic Music), etc
- Organized many exhibitions at the Egyptian Cultural Center in UK, from May 2016 till now, such as Home Accessories from Siwa, Cartonage, Home Accessories from Nubia, Painting Exhibition for Omar El-Nagdy, "Made in Egypt", Photo Galleries from Egypt, etc.
- Organized several Musical events at the Egyptian Cultural Center in UK, from May 2016 till now, such as Arabic Music directed by Dr Ahmed Atef, The Ayoub Sisters Music, Harfoush Jazz Band, Iman El-Bahr Darwish, Ihab El-Shawi.
- Organized Poem reading evenings at the Egyptian Cultural Center in UK, from May 2016 till now, such as poems of Dr Hassan Ismail, poems of Dr Hany Shoeb, poems of Salah Abdel-Sabour, poems of Abdel-Rahman Al-Abnoudy, etc.
- Organized Short Stories reading, at the Egyptian Cultural Center in UK, from May 2016 till now, by Ambassador Alaa Eldin Youssef.
- Organized Books launching, at the Egyptian Cultural Center in UK, from May 2016 till now, such as books by Dr Gamal Hassan, "Daughters of the Nile", etc.
- Organized, films screening and discussions at the Egyptian Cultural Center in UK, from May 2016 till now, such as
- Organized Theatre performance, at the Egyptian Cultural Center in UK, from May 2016 till now, such as monodramas about Cleopatra and Shakespeare, Egyptian Formidable Women, etc.
- Organized an Egyptian Day for Research students, their families, and UK Supervisors, to eat Egyptian Food, and to watch the world cup game in 2018 when Egypt played against Uruguay.

OTHER PROFESSIONAL ACTIVITIES

1. Editor-in-Chief, Egyptian Informatics Journal, ELSEVIER, 2009-2014.
2. Academic Visitor to Kungl Tekniska Hogskolan (KTH) University as well as The Swedish Institute of Computer Science, Sweden, August-September 2002, 2001, and 1999.
3. Academic Visitor to Michigan State University, USA, January99.
4. Academic Visitor to the Chinese University of Hong Kong, August 98.
5. Academic Visitor to University of Bristol, Bristol-UK, Sept.-Dec.97, Jan. 95, and Aug.-Sept.94.
6. Academic Visitor to Trondheim University, Norway, Feb.93.
7. The Department Representative of the European ERASMUS Programme, Dept. of Computer Science, City Univ., London-England, 91-92.

LANGUAGE PROFICIENCY

- English, Excellent
- Arabic, Very Good
- French, Poor

PUBLICATIONS

1. Hassan, B.; AbdelRahman, S.; Bahgat, R. and Farag I., "UESTS: An Unsupervised Ensemble Semantic Textual Similarity Method," in *IEEE Access*, vol. 7, pp. 85462-85482, 2019.
2. Mahdi, M. A.; AbdelRahman, S. E. and Bahgat, R. "A High-Performing Similarity Measure for Categorical Dataset with SF-Tree Clustering Algorithm", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 9, No. 5, 2018.
3. Hassan, B.; AbdelRahman, S.; Bahgat, R. and Farag I., "FCICU at SemEval-2017 Task 1: Sense-Based Language Independent Semantic Textual Similarity Approach", Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017), 3-4 August 2017, Vancouver, Canada.
4. Younan, M. S.; Khattab, S. and Bahgat, R., "A WoT Testbed for Research and Course Projects", Book Chapter, Managing the Web of Things: Linking the Real World to the Web, Ed. 1, Editors B. Benatallah L. Yao M. Sheng & Y. Qin, February 2017.
5. Negm, E.; Abdelrahman, S. and Bahgat, R., "PREFCA: A Portal Retrieval Engine Based on Formal Concept Analysis", Information Processing and Management: an International Journal, Vol. 53 Issue 1, January 2017.
6. Sayed, A. M.; AbdelRahman, S.; Bahgat, R. and Fahmy A., "Time Emotional Analysis of Arabic Tweets at Multiple Levels", International Journal of Advanced Computer Science and Applications, Vol. 7, No. 10, 2016.
7. Ahmed, C.; Elkorany, A. and Bahgat, R., "A Supervised Learning Approach to Link Prediction in Twitter", Social Network Analysis and Mining, Springer Link, 6:24, December 2016.
8. El-matarawy, A.; El-ramly, M. and Bahgat, R. "EGYCD Visualization for Code Clones", International Journal of Computer Applications (IJCA), Vol. 142, No. 4, May 2016, pp. 16-19.
9. Younan, M. S.; Khattab, S. and Bahgat, R., "WoTSF: A Framework for Searching in the Web of Things", 10th International Conference on Informatics and Systems (INFOS2016), ACM ICPS, Cairo-Egypt, 9-11 May 2016.
10. Younan, M. S.; Khattab, S. and Bahgat, R., "A historical overview for the Web of Things (WoT)", Book Chapter, DOI: 10.13140/RG.2.1.3579.6728, April 2016.
11. AbdelLatif, A.; Kamel, A. and Bahgat, R., "An Implementation of a Fast Threaded Nondeterministic LL (*) Parser Generator", International Journal of Computer Applications, Vol. 30, NO. 5, November 2015, pp. 30-37.
12. Younan, M. S.; Khattab, S. and Bahgat, R., "Evaluation of an Integrated Testbed Environment for the Web of Things", International Journal on Advances in Intelligent Systems, Vol. 8, No. 3&4, December 2015.
13. El-matarawy, A.; El-ramly, M. and Bahgat, R., "Code Clone Detection using Sequential Pattern Mining", International Journal of Computer Applications, Vol. 127, No. 2, October 2015, pp.10-18.
14. AbdelLatif, A.; Kamel, A. and Bahgat, R., "TGLL: A Fast Threaded Nondeterministic LL(*) Parsing", ARPN Journal of Systems and Software, Vol. 5, No. 2, August 2015, pp. 27-39.
15. Hassan, B.; AbdelRahman, S. and Bahgat, R. "FCICU: The Integration between Sense-Based Kernel and Surface-Based Methods to Measure Semantic Textual Similarity", Proceedings of the 9th International Workshop on Semantic Evaluation (SemEval-2015), June 4-5 2015, Denver, Colorado – USA.
16. Younan, M. S.; Khattab, S. and Bahgat, R. "An Integrated Testbed Environment for the Web of Things", The Eleventh Integrated Communications Navigation and Surveillance Conference (ICNS 2015), May 24-29 2015, Rome-Italy, pp. 69-78.
17. Fathy, G. M.; Hassan, H. A.; Sheta, W. M. and Bahgat, R. "Efficient framework for mobile walkthrough application", Pervasive and Mobile Computing, ELSEVIER, Vol. 18, April 2015, pp. 40-54, doi:10.1016/j.pmcj.2014.08.008.
18. AbdelRahman, S; Sayed, E. and Bahgat, R. "The Integration among Disambiguation Lexical Resources for more Effective Phrase-Level Contextual Polarity Recognition", 9th IEEE

International Conference on Computer Engineering and Systems, 21-23 December 2014, Cairo-Egypt, IEEE Conference Publications, pp.86-91.
19. Ali, M.; Khattab, S. and Bahgat, R. "Improving Detection Accuracy in Group Testing-based Identification of Misbehaving Data Sources", in Proceedings of The 2nd International Conference on Future Internet of Things and Cloud (FiCloud-2014), 27-29 August 2014, Barcelona – Spain, IEEE Computer Society CPS, pp.167-174.
20. Abdelbary, H. A.; Elkorany, A. M. and Bahgat, R., "Utilizing Deep Learning for Content-Based Community Detection", Proceedings of the Science and Information Conference 2014, August 27-29 2014, London-UK, pp.777-784. IEEE Conference Publications, DOI: 10.1109/SAI.2014.6918274.
21. Khairy, A.; Ammar, H. and Bahgat, R. "Smartphone Energizer: Extending Smartphone's Battery Life with Smart Offloading", In Proceedings of the 9th IEEE International Wireless Communications and Mobile Computing Conference (IWCMC 2013), July 1-5 2013, Sardinia – Italy, pp. 329-336.
22. El-matarawy, A.; El-ramly, M. and Bahgat, R. "Parallel and Distributed Code Clone Detection using Sequential Pattern Mining", International Journal of Computer Applications (IJCA), Vol. 62, No. 10, January 2013, pp. 25-31.
23. El-matarawy, A.; El-ramly, M. and Bahgat, R. "Plagiarism Detection using Sequential Pattern Mining", International Journal of Applied Information Systems (IJAIS), Vol. 5, No. 2, January 2013, pp.24-29.
24. Bahgat, R.; Mahdi, M and AbdelRahman, S, "Frequency Tree for Clustering Categorical Data with Similarity Measure Based on Items' Weights", Qatar Foundation Annual research Forum proceedings, October 2012, Doha-Qatar.
25. Bahgat, R.; Salah, A. I. and Abdul Wakeil, H. I. "Semantic Message Addressing based on Social Cloud Actor's Interests", International Journal of Computer Science and Security (IJCSS), Volume 6, and Issue 1, February 2012, pp. 43-52.
26. Soliman, A.; Kamel, A.; Sheta, W. and Bahgat, R. "PSG: Peer-to-Peer semantic grid framework architecture", Egyptian Informatics Journal, Elsevier, (2011) vol.12, pp.125-136, DOI: 10.1016/j.eij.2011.06.001.
27. AbdelRahman, S; Bahgat, R. and Farag, G. M. "Order Statistics Bayesian–Mining Agent Modeling for Automated Negotiation", An International Journal of Computing and Informatics (Informatica), 35(1):123–137, March 2011.
28. Mahdi, M; AbdelRahman, S; Bahgat, R. and Ismail, I. "F-Tree: an algorithm for Clustering Transactional Data Using Frequency Tree", Al-Azhar Engineering Eleventh International Conference, AEIC 2010.
29. AbdelRahman, S. E.; Hassan, B. and Bahgat, R. "A New Email Retrieval Ranking Approach", International Journal of Computer Science & Information Technology (IJCSIT), 2(5):44–63, October 2010.
30. Radwan, A. A.; AbdelRahman, S. E. and Bahgat, R. "An Ontology Based Middleware Services and Parser", Journal of Al Azhar University Engineering Sector (JAUES), 2010.
31. Aboulwafa, S. and Bahgat, R. "DiReCT: Dirichlet-based Reputation and Credential Trust Management", In Proceedings of the 2010 7th International Conference on Informatics and Systems, (INFOS2010), IEEE Catalogue Number: IEEE CFP1006J-CDR, ISBN: 978-977-403-396-4, Cairo-Egypt, March 2010.
32. Farag, G. M.; AbdelRahman, S. E.; Bahgat, R. and A-Moneim, A. M. "Estimating Negotiation Agreement Zone Using Support Vector Machine with Genetic Algorithm", In Proceedings of the 2010 7th International Conference on Informatics and Systems, (INFOS2010), IEEE Catalogue Number: IEEE CFP1006J-CDR, ISBN: 978-977-403-396-4, Cairo-Egypt, March 2010.
33. Farag, G. M.; AbdelRahman, S. E.; Bahgat, R. and A-Moneim, A. M. "Towards KDE Mining Approach for Multi-Agent negotiation", In Proceedings of the 2010 7th International Conference on Informatics and Systems, (INFOS2010), IEEE Catalogue Number: IEEE CFP1006J-CDR, ISBN: 978-977-403-396-4, Cairo-Egypt, March 2010.

34. Hussein, S. M. and Bahgat, R. M. “Worm Detection Using Intelligent Agents”, In Proceedings of the 2010 7th International Conference on Informatics and Systems, (INFOS2010), IEEE Catalogue Number: IEEE CFP1006J-CDR, ISBN: 978-977-403-396-4, Cairo-Egypt, March 2010.
35. Hussein, S. and Bahgat, R. “Worm Detection Cooperative Approach”, In the International Journal of Intelligent Computing and Information Science, Faculty of Computer and Information Science, Ain Shams University, Cairo-Egypt, Vol. 10, No. 1, January 2010.
36. Ismael, O.; ElBeltagy, S.; Bahgat, R. and Rafea, A. "Agent Coalition Formation Via Inducing Trust Ratio", First International Conference on Agents and Artificial Intelligence (ICAART 2009), Porto – Portugal, January 2009, pp. 469-474.
37. Sarhan, S.; Bahgat, R. and Tolba, A., “Intelligent Tutoring System Attribute Reduction Based Rough Set”, Mansoura Journal of Computer Sciences and Information Systems, January 2009.
38. Sarhan, S.; Bahgat, R. and Tolba, A., “Rough-Neuro Model for Improving Student State Diagnosis in Intelligent Tutoring System”, Egyptian Rough Computing Journal, January 2009.
39. El-Kady M.; Bahgat R. and Fahmy A. “A UML Heavyweight Extension for MAS Modeling”, In Proceedings of ISEAT 2008 / QSIC 2008, August 2008, Oxford – UK.
40. Ismael, O.; ElBeltagy, S.; Bahgat, R. and Rafea, A. “Collaborative Knowledge Based System through Multi-Agent Technology,” In Proceedings of the 42nd Annual Conference on Statistics, Computer Science, and Operation Research, Cairo University, Egypt, December 2007, pp. 92-108.
41. El-Kady M.; Bahgat R. and Fahmy A. “A Meta-Model for Multi Agent Systems”, In the Egyptian Computer Journal, Institute of Statistical Studies and Research, Cairo University, Vol. 34, December –June 2007.
42. El-Shehri F.; El-Beltagy S. and Bahgat R. “JINI Versus CORBA For Distributed Systems”, In the Egyptian Computer Journal, Institute of Statistical Studies and Research, Cairo University, Vol. 34, December –June 2007.
43. Fahmy A.; Bahgat R.; Abdel-Rahman S. and Makady S. “UVCR: A UML-based Visual Constraints Representation Tool”, In Proceedings of INFOS2005, March 2005, Cairo-Egypt, pp.171-178.
44. Bahgat, R.; Toson, D. and Abdel-Wahed, H. “Non-Formal Web-Based Learning of Egyptian Cultural Heritage: A Case Study”, In Proceedings of Digital Learning2005, New Delhi – India, October 2005.
45. Mostafa, H. and Bahgat, R. “The agent visualization system: a graphical and textual representation for multi-agent systems”, Information Visualization, Vol. 4, 2005, pp. 83-94.
46. Mostafa, H. and Bahgat, R. “Using Mozart for Visualizing Agent-Based Simulations”, in Lecture Notes in Computer Science, LNCS 3389/2005, Springer-Verlag, 2005, pp.89-102.
47. Mikhaiel, R. and Bahgat, R. “An Integrated Framework for Inter-agent Conversation Management”, Egyptian Informatics Journal, Faculty of Computers and Information, Cairo University, Vol. 5, No. 2, December 2004, pp.11-27.
48. Shaalan, K.; Rizk, M.; Abdelhamid, Y. and Bahgat, R. “An expert system for the best weight distribution on ferryboats”, Expert Systems with Applications, Elsevier, Vol. 26 (3), 2004, pp.397-411.
49. El-Sayed, S.; Bahgat, R.; Fahmi, A. and El-Gamal, S. “A New Middleware Model for Programming Classes Relationships”, Egyptian Informatics Journal, Faculty of Computers and Information, Cairo University, Vol. 5, No. 1, June 2004, pp.138-158.
50. Bahgat, R. “Modeling Techniques for Agent-based Simulation Scenarios”, The Egyptian Computer Journal, Institute of Statistical Studies and Research, Cairo University, Vol. 30, December 2002.
51. Bahgat, R. “Hybrid Coordination Approach for Intelligent Navigation Through Multi-Contextual Information”, Egyptian Informatics Journal, Faculty of Computers and Information, Cairo University, Vol. 3, No. 2, December 2002.
52. Mostafa, H. and Bahgat, R. “A Multi-Agent System for Behavioral Studies”, in Proceedings of the ISCA 11th International Conference on Intelligent Systems, July 2002, Boston -

Massachusetts USA, pp. 120-127.
53. Bahgat, R.; Mostafa, O. and Papadopoulos, G.A. "Concurrent Abductive Logic Programming in Pandora", International Journal on Artificial Intelligence Tools (IJAIT), Vol. 10, No. 3, September 2001, pp. 387-406.
54. Bahgat, R. and Saleh, F. "The Archaeological Map of Egypt (Archeological Heritage Resource Management System)", in Proceedings of the 29th Conference of Computer Applications and Quantitative Methods in Archaeology (CAA 2001), April 2001, Sweden, pp. 253-260.
55. Bahgat, R. and El-Matarawy, A., "Three-Phase Distributed Repair-based Algorithm for Constraint Satisfaction & Optimization". The Egyptian Computer Journal, Institute of Statistical Studies and Research – Cairo University, Vol. 28, No. 2, 2000, pp. 273-292.
56. Khamis, A.; Bahgat, R. and AbdelAziz, R. " Automatic Test Data Generation using Data Flow Information ", Dergisi Journal, Dogus University, Turkey, Vol 2, June 2000, pp.140-153.
57. Bahgat, R. and Abdel-Rahman, S.E. "Combining Constraint Logic Programming Techniques for Solving Linear Problems". Lecture Notes in Artificial Intelligence, Vol LNAI 1865, Springer-Verlag, 2000, pp. 188-211.
58. Bahgat, R.; Sabbah, A.S.; Gharraf, M.Q. and El-Sayed, Q.A." Determinacy Analysis for Efficient Execution of Logic Programs. Journal of The Egyptian Mathematical Society, Vol. 7(2), 1999, pp.251-278.
59. Bahgat, R. and Wahdan, S. "Pandora(FD): A Concurrent Constraint Logic Programming Language". In Proceedings of The Annual Conference on Statistics Computer Sciences and Operations Research, Institute of Statistical Studies and Research, December 1999, Vol. 34 Part IV, Cairo-Egypt.
60. Bahgat, R. and Yang, R. "A Distributed Repair-based Technique for Constraint Satisfaction". In Proceedings of the Seventh ISCA International Conference on Intelligent Systems, July 1-3, 1998, Paris-France.
61. Helly, M.; Bahgat, R. and Rafea, A. "An Inference Mechanism for Graphical Knowledge Base Representation". In Proceedings of the Fourth World Congress on Expert Systems, March 16-20, 1998,Mexico City.
62. Bahgat, R."A Methodological Approach for Building an Expert System for Filling Hieroglyphic Text". In Proceedings of the ISCA International Conference on Intelligent Systems, Boston-Massachusetts, USA, June1997, pp.11-15.
63. Rasmy, M.H.; Bahgat R.M.R.; Abbass, H.A. "From Constraint Logic Programming (CLP) to Decision Making Logic Programming (DMLP)". In Proceedings of the First European Conference on Intelligent Management Systems in Operations Research, Salford-UK, March1997, pp.197-204.
64. Bahgat, R.M; Ramsy, M.H.; Attia, S.S." Using Constraint Logic Programming for Crashing Project Duration". In Proceedings of the 5th International Conference on Artificial Intelligence Applications, March 97, Cairo-Egypt.
65. Rasmy, M.H; Bahgat, R.M.R; Abbass, H.A. "The Front-End of an Intelligent Linear Goal Programming System". In Proceedings of the 6th International Conference on Computer Theory and Applications, Alexandria –Egypt, September 1996, pp.25-37.
66. Rasmy, M.H; Bahgat, R.M.; Attia, S.S "Time-Cost Trade-off Procedures for Crashing Projects". In Proceedings of the MES 5th International Symposium, Vol. 2, Cairo – Egypt, March 1996.
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