

Personal Information

Name: Bayan Aref Abu Shawar
Job Title: Staff Tutor
Rank: Assistant Professor
Work Start Date: 24/9/2005
Address: P.O.Box 1339, AMMAN 11593, Jordan
Office Tel.: +962 6 5514851 Ext. (208)
Email: b_shawar@aou.edu.jo
Mobile:

Education

- 1991-1994: University of Jordan, Amman-Jordan. Degree: B.Sc in Computer Science. Date Awarded: Aug. 1994 Rating: Very Good.
- 1996-1998: University of Jordan, Amman-Jordan. Degree: Master in Computer Science. Date Awarded: Aug. 1998 Rating: Excellent (3.37 out of 4.0).
- 2002-2005: University of Leeds, School of Computing, England. Degree: Ph.D in Natural Language Processing.

Employment Summary

- 1994-1995: Programmer in computer centre at University of Petra.
- 1995-1998: Teaching Assistant in Computer Department, University of Petra.
- 1998- 2002: Lecturer in Computer Department at University of Jordan. I taught different programming languages such as: Assembly, Pascal, C, C++, and Visual Basic. Other courses included: Theory of Computation, Operation Research.
- 2002- 2005: Postgraduate Demonstrator demonstrating, School of Computing- University of Leeds. Marking and giving tutorials in Object Oriented Programming in Java, Data Structures, Mathematics and Algorithms.
- 2004-2005: Associate Lecturer in the Open University (UK), teaching M150.
- 2005- Now: Assistant Professor, Arab Open University in Jordan. Teaching modules such as Java, operating system, UML modeling and C++, Software engineering, Object Oriented Programming. M301, MT262, M131, M211, M255, T471

Membership

- Member of the editorial board committee of International Arab Journal of e-Technology (2008/2009).
- Member of Organisation committee member of International Arab Conference of e-Technology IACe-T.

Projects

- Under TEMPUS Sub-Project JEP31005-2003: "Open Learning Models and Technologies," the Arab Open University/Jordan Branch will serve as the premises for the prospective Production Studio that will take care of the production of on-line courses in IT Jordan. The Jordan Branch is in a position to design two out of eight on-line courses, under this project, one of which is Software Engineering and the other is Parallel Distributed Systems. The courses are due to be finalized sometime in 2008 and will constitute the nucleus for a Master's program in IT to be offered by universities of the project consortium.
Participating Universities: From Europe
University of Alicante, Spain, IDEC – Greece, ORT – France and an expert from Germany
From Jordan: Arab Open University – Jordan Branch, University of Jordan – Jordan, and Princess Syumayya University for Technology – Jordan
- Also, together with the Arab Open University/Jordan Branch team and two other partner universities, I am involved in the following project, which has recently successfully competed for a Tempus-funded project: Simulating Quality Assurance and Accreditation in Jordan Universities (IRIS).

AOU Courses Taught

- General course coordinator of M301 course since 2005..now
- General course coordinator of M255 starting at 2009.
- General course coordinator of M131 starting at 2009.
- Authoring online courses on AOU LMS-Jordan branch: M301, MT262, M255, M211, M131, and M150.

Researches

1. Abu Shawar B. 2009. Learning Management System and its Relationship with Knowledge Management. In Proceedings of ICICIS2009: Fourth International Conference on Intelligent Computing and Information Systems, pp. 738-741.
2. Al-Sadi J., and Abu Shawar B. 2009. m-Learning: the usage of WAP technology

- in e-learning. *International Journal of Interactive Mobile Technologies (iJIM)*, 3 (3), pp. 10-16.
3. Abu Shawar B.; Al-Sadi J.; and Sarie T. 2009. An Online Math Module at Arab Open University: the present and future. *The 2009 International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE'09)*, USA, pp. 115-119.
 4. Atwell E., and Abu Shawar B. 2008. An AI-inspired intelligent agent/student architecture to combine language resources research and teaching in: *Proceedings of LREC'08: Language Resources and Evaluation Conference*. 2008.
 5. Atwell E.; Abbas N.; Abu Shawar B.; Alsaif A.; Al-Sulaiti L.; Roberts A.; Sawalha M. 2008. Mapping Middle Eastern and North African diasporas: Arabic corpus linguistics research at the University of Leeds in: *Proceedings of BRISMES Conference 2008*. .
 6. Abu Shawar B. 2008. Developing an Online Library System for AOU as a Knowledge Management Tool. *The 2008 International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE'08)*, USA, pp. 427-431.
 7. Al-Sadi J.; Abu-Shawar B.; and Sarie T. 2008. The Relationship between Knowledge Management and e-Learning. *The 2008 International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE'08)*, USA, pp. 14-17, 2008.
 8. Abu Shawar B. 2008. Chatbots are natural web interface to information portals. In *proceedings of INFOS2008*, pp. NLP101-NLP107
 9. Abu Shawar B. and Atwell E. 2007 .Chatbots: Sind Sie wirklich nu"tzlich? (are they really useful?) *LDV-Forum Journal for Computational Linguistics and Language Technology*, 22(1), pp.29-49. 2007.
 10. Abu Shawar B. 2007. Utilizing AOU'VLE with other computerized systems. *International Journal of computer Science and Security (IJCSS)*. Volume 1, issue 4, pp. 13-24.
 11. Abu-Shawar B., Al-Sadi J., and Khan, H. 2007. Arab Open University (AOU) Experience In Applying E-Learning Strategy. *Proceedings Of The Fourth MIT LINK 2007 Conference*, The Dead Sea, Jordan, October, pp. 28-30

12. Abu Shawar B. and Atwell E. 2007. Fostering language learner autonomy via adaptive conversation. Proceeding of Corpus Linguistic CL2007.
13. Abu Shawar B., Al-Sadi J., and Sarie T. 2007. Integrating the Learning Management System with Mobile Technology. The 2007 International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE'07), USA, pp. 31-36.
14. Abu Shawar B. and Atwell E. 2007. Different measurement metrics to evaluate a chatbot system. in Proceedings of the NAACL'07 Workshop: Bridging the Gap: Academic and Industrial Research in Dialog Technologies, pp.89-96, ACL.
15. Abu Shawar B., Al-Sadi J., and Sarie T. 2006. Quality Assurance Procedures: New Enhancements to the Learning Management System at AOU. Proceedings of The 2006 Conference on e-Learning, e-Business, EIS, e-Gov. & Outsourcing (EEE'06), USA, pp. 265-271.
16. Abu shawar B. and Atwell E. 2005. Using corpora in machin-learning chatbot systems. International Journal of Corpus Linguistics 10:4, pp. 489-516
17. Abu Shawar B. and Atwell E. 2005. Modelling turn-taking in a corpus-trained chatbot. In Fisseni B., Schmitz H., Schröder B. and Wagner P. (eds.), Sprachtechnologie, Mobile Communication und Linguistische Ressourcen (GLDV05). Peter Lang Verlag, Bonn, pp. 549-561.
18. Abu Shawar B., Atwell E. and Roberts, A. 2005. FAQchat as an information retrieval system. To appear in Proceeding of the 2nd Language & Technology Conference. [Online]: www.ltc.amu.edu.pl
19. Abu Shawar B. and Atwell E. 2005. A chatbot system as a tool to animate a corpus. ICAME Journal. Vol. 29, pp. 5-23.
20. Abu Shawar, B. and Atwell E. 2004. An Arabic chatbot giving answers from the Qur'an in Bel, B & Marlien, I (eds.) Proceedings of TALN04: XI Conference sur le Traitement Automatique des Langues Naturelles. Vol. 2, pp. 197-202.
21. Atwell E.; Al-Sulaiti L.; Al-Osaimi S.; Abu Shawar B. 2004. A review of Arabic corpus analysis tools. In: Bel, B & Marlien, I (eds.) Pproceedings of TALN04: XI Conference sur le Traitement Automatique des Langues Naturelles. Vol. 2, pp. 229-234.
22. Abu Shawar B. 2004. The NWCL Research Training Programme. ELSnews: The Newsletter of the European Network in Human Language Technologies. Vol.

- 13.1, pp. 14-15.
23. Abu Shawar B. and Atwell E. 2004. A chatbot as a novel corpus visualization tool. In Lino, M.T., Xavier, M.F., Ferreira, F., Costa, R., Silva, R., Pereira, C., Cavalho, F., Lopes, M., Catarino, M. and Barros, S. (eds.) Proceedings of Fourth International Conference on Language Resources and Evaluation (LREC'04). Vol. IV, pp. 2057-2060.
 24. Abu Shawar B. and Atwell E. 2004. Evaluation of chatbot Information systems. In Proceedings of Eight Maghrebian Conference on Software Engineering and Artificial Intelligence.
 25. Abu Shawar B. and Atwell E. 2004. Accessing an information system by chatting. In Meziane, F. and Metais, E. (eds.) Proceedings of 9th International conference on the Application of Natural Language to Information Systems, NLDB 2004 Salford, UK. LNCS Lecture Notes in Computer Science, Springer, pp. 396-401
 26. Abu Shawar B. and Atwell E. 2003. Machine Learning from dialogue corpora to generate chatbots. Expert Update journal, Vol. 6, No 3, pp 25-30
 27. Abu Shawar B. and Atwell E. 2003. Using dialogue corpora to retrain a chatbot system. In Archer, D., Rayson, P., Wilson, A. and McEnery, T. (eds.) Proceedings of the Corpus Linguistics 2003 conference. Lancaster University, UK, pp. 681-690.
 28. Abu Shawar B. and Atwell E. 2003. Using the Corpus of Spoken Afrikaans to generate an Afrikaans chatbot. SALALS Journal: Southern African Linguistics and Applied Language Studies. Vol. 21, pp. 283-294.
 29. Abu Shawar B. 2003. Review of CL2003, the International Conference on Corpus Linguistics", ELRA newsletter. Vol. 8, No. 2, pp. 4-6.
 30. Abu Shawar B. and Atwell E. 2002. A comparison between ALICE and Elizabeth chatbot systems. School of Computing research report 2002.19, University of Leeds.