

CURRICULUM VITAE

DR. MANAL AHMED ISMAIL

PERSONAL INFORMATION

Name: Manal Ahmed Ismail
Occupation: Associate Professor, Faculty of Engineering
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EDUCATION:

- Ph. D., Ain Shams University, Faculty of Engineering Computers and Systems Engineering Department, 1996.
- M. Sc, computer science, Institute of Statistical Studies and Research, Cairo University, 1991.
- B. Sc. Electronics & communications Dept, Faculty of Engineering, Cairo University, Egypt, 1984.

PROFESSIONAL EXPERIENCE:

- Associate Professor, Communication & Electronic Department, faculty of Engineering.
- Director, Information Technology Center, Helwan University, Dec. 2004- Till now.
- Associate professor, Faculty of computer science, Abd El Aziz King university, Saudi Arabia

AREAS OF SPECIALIZATION

Software Engineering.
Artificial Intelligence
Distance Education.
Adaptive hypermedia (Special Adaptive Educational Learning Management System)
Knowledge based System.
Natural Language Processing.
Data Mining & knowledge Discovery
Pattern Recognition.
Evolutionary Computation.

Project Management

- Manager, Management Information System, Helwan University (World Bank funded project "ICTP").
- Vice Manger, Enhancing the use of teaching technologies and facilities at Helwan university Project.

- Team Member Helwan University, eLearning Project.
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MEMBERSHIP

ACM Associate Member
IEEE/ Computer Member
Egyptian Computer Society, member

E learning & Distance Education Experience

Master Thesis's under Supervision

- Distance Learning Using Adaptive Hypermedia System
- Development a Web based Distance education Model

Course taught

- Development and preparation of the first course taught using distance education. The Course title "Operating System" is a post graduate course. WebCT is a learning management system used. The course taught during ٢٠٠٢- ٢٠٠٣ and ٢٠٠١-٢٠٠٢
- Supervising the development of 15 Multi Media courses at Helwan university
- Supervising and development the training staff of helwan university using MOODLE Learning Management system.

PUBLICATIONS

1. Hoda D. Jomma, Manal A. Ismail and Mohamed I. El-Adawy, "Efficient Arabic Morphology Analysis Algorithm." The Sixth Conference on Language Engineering, December 6-7, 2006, Cairo, Egypt, The Egyptian Society of Language Engineering.
1. M A Mostafa, Manal A. Ismail, M. Nour, Hatem EL-Bolok "An Adaptive E-learning Model Based on Decision Table", Scientific. Bulletin. Faculty. Eng. Ain Shams University, Vol 41, No. 2, June 30, 2006.
2. Shikoun N., Manal A Ismail, H. El-bolok , "Climate Change Prediction Using Data Mining", International Journal Of Intelligent Computing And Information Sciences, Vol 5, No. 2, July 2005, pp367-381.
1. H. M. El-bolok, M. A. Ismail, A. A Khedr, "Quantitative Association Rule Mining In ECG Aggregate Database", Journal of engineering and Applied Science, Vol52, No 3, June 2005, PP 573-592.
2. Mohamed El-Adawy, Hesham Keshk, Manal A. Ismail, and Essam M. Zaki "Fast skew and slant correction for Arabic Written word or line" Third Saudi Technical Conference and Exhibition 11-15 Dec. 2004, Vol. III, PP7-12.

3. M. A. Ismail, "Training Hidden Markov Models Using Evolutionary Algorithms", Journal of Engineering Sciences, Assuit University, Vol 32 No 3, Part B, July 2004
4. Manal A. Ismail "Petri Net: A Model for Adaptive Web Based Course Content", Egyptian Informatics Journal, Vol. 5, No. 1, June 2003
5. M. A. Ismail, M. I. Eladawy, H. A. Keshk and S A Saleh, "Expert System for Testing the harmony of Arabic poetry", Journal of Engineering Sciences, Assuit University, Vol 32 No 1, Part B, January 2004
6. *H. I. Ali, M. A. Ismail, M. I. El-Adawy and E. M. Saad*, "Arabic To English Machine Translation Using QLF", Proceeding of 11th International Conference on Artificial Intelligence Application, Cairo, 2003
7. Reda A. El-Khoribi, Mahmoud A. Ismail, Manal A. Ismail, "An HMM-Based System for Blind Steganography Detection", Proceeding of 11th International Conference on Artificial Intelligence Application, Cairo, 2003
8. Reda A. El-Khoribi, Mahmoud A. Ismail, Manal A. Ismail, "An HMM-Based System for Blind Steganography Detection", Journal of Engineering Sciences, Assuit University, Vol 32 No 1, Part B, January 2004
9. Manal A. Ismail, M. A. Ismail, and A. I. Salah,, "A Hybrid Methodology for Software Development", Egyptian Informatics Journal, Vol. 3, No. 2, December 2002
10. M. I. Eladawy, M. A. Ismail, H. A. Keshk, "Arabic Assembly Language", The 27th International Conference for Statistics Computer Science and its applications, The Egyptian statistics society, April 13-18, 2002
11. E.M. Saad, M.I. El-Adawy, M.A. Ismail, and H.I. Ali "An Improved Arabic Morphological Analyzer" The 27th International Conference for Statistics Computer Science and its applications, The Egyptian statistics society, April 13-18, 2002
12. Manal A. Ismail, El-Beltagy S. Rafea A, "Bilingual Generic Task Tool", Ninth international conference on Artificial Intelligence Applications, Cairo, Egypt, February 2001.
13. S.M.Rashad, M.A.Ismail, "Sustainable Development Indicators and Electric Power Supply Strategies for Egypt", Energy 2000.
14. S.M.Rashad, M.A.Ismail, "Environmental Impact Assessment of Hydro Power in Egypt" Applied Energy, Elsevier, Vol 65, 2000, PP 285-302

15. Manal I., Akram S., "Object Oriented Knowledge Engineering: a formal approach for verification", EUROVAV-97, European Symposium on Validation and Verification of Knowledge Based Systems, June 26-28, 1997, Leuven, Belgium
16. S.M.Rashad, M.A.Ismail, "Electricity Generation Options and Strategies for egypt", Third International Thermal Energy & Environment Congress ITEEC 97, 9 - 12 June 1997, Marrakesh, Morocco.
17. N.M.A. Ayad, M.A. Ismail and M.R. Ali, "Expert System For Electric Motor Fault Diagnosis and Treatment", MARCON 97 International Conference on Maintenance and Reliability Strategies and Developments for the 21st Century", Knoxville, Tennessee, USA, May 20-22, 1997
18. M.A. Ismail. Akram S., Osman B., "Petri nets formal representation for dynamic object modeling", KEML workshop, Paris 1996.
19. M.A. Ismail, Akram S., Osman B., "Towards a Formal Representation for Object-Oriented Modeling", The Annual Conference ISSR, Cairo University, Vol 29, Part 4, 1994.
20. M.A. Ismail, A. Salah " An Expert system for fault diagnosis for nuclear reactor", First workshop on Expert Systems applications, Cairo, Egypt, Feb 1991
21. M.A. Ismail, A. Salah, "Decision tables as a conceptual Knowledge representation for rule based system", Proceeding of 13th international conference on computer science, operational research and statistics, Cairo, Egypt, March 1991.