

Curriculum Vitae

Dr. Maha Al-Bayati

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PERSONAL SUMMARY:

Born: April 14, 1966; Place: Baghdad, Iraq Nationality: Iraqi

EDUCATION:

Ph.D. #1: Computer Science, University of Technology, **Baghdad, Iraq**, 1998.

M.Sc. #2: Computer Science, University of Technology, Baghdad, Iraq, 1992.

B.Sc. #3: Computer Science, University of Technology, Baghdad, Iraq, 1987.

TITLES OF THESES M.Sc. Design and Implementation of a Parser for Verbal and Nominal Arabic Sentences.

Ph.D. Genetic Algorithm – Based Robot Path Planner.

ACADEMIC HONORS AND AWARDS:

- #1: Many awards and letters of thanks edited by the university and the college.
- #2:

ACADEMIC /TEACHING EXPERIENCE:

- #1: Undergraduate Courses : Data Structure and Algorithms in C++ , Structured Programming , OOP, PROLOG, Visual Basic Programming , Operating Systems, System Software, Distributed Information Systems, Computer Graphics, Artificial Intelligence, Microprocessors and Assembly Language, Compiler design.
Graduate Courses : AI & Soft Computing
- #2: Genetic Algorithms in Optimization and Machine Learning , E-Learning , Natural Language Processing , Speech Processing, Machine Translation, Web Applications.

COURSES TAUGHT:

Undergraduate	Graduate
Data Structure and Algorithms in C++ , Structured Programming , OOP, PROLOG, Visual Basic Programming , Operating Systems, System Software, Distributed Information Systems, Computer Graphics, Artificial Intelligence, Microprocessors and Assembly Language, Compiler design	AI & Soft Computing

PROFESSIONAL AFFILIATIONS:

Head, Annual report Committee for CS Department, Faculty of Information Technology, Applied Science University, 2006 – 2007.

Member, ETS Committee for CS, Faculty of Information Technology, Applied Science University, 2006-2007, 2007-2008, 2008-2009.

Head, Student Advisement Committee, faculty of information technology, Applied Science University, 2006-2007, 2008-2009, 2009-2010.

Head, Equivalency Committee, Faculty of Information Technology, Applied Science University, 2009-2010, 2010-2011.

Member, SER Committee for SE Department, Faculty of Information Technology, Applied Science University, 2008-2009.

Member, Students Discipline Committee, Faculty of Information Technology, Applied Science University, 2009-2010, 2010-2011.

Member, Curriculum Planning Committee, Faculty of Information Technology, Applied Science University, 2010-2011.

Member of the SE Department Committee, Faculty of Information Technology, Applied Science University, 2008-2009, 2009-2010.

Member of the CS Department committee, Faculty of Information Technology, Applied Science University, 2010-2011.

Head of QA Committee, College of Science, Computer Science Dept. / Mustansiriya University, Since Sept. 2012 till now.

PUBLICATIONS:

- Papers.
- Karim Q. Hussein, Maha A. Al-Bayati, "Mobile Learning: The Effective Role of Multimedia "Analytical Approach via an Object Oriented Strategy", International Journal of Computer Applications (0975 – 8887), New York, U.S.A, Volume 90 – No 8, March 2014, IJCATM: www.ijcaonline.org
- Maha Al-Bayati, Karim Hussein. Comparison Between Modes of Communication for the Deaf and Dumb via e-Learning Through Case Study (sign language and finger spelling in review), Pp 36-39, International Journal of Digital Content Technology and its Applications (IJDCT), 2010.
- Maha Al-Bayati, Karim Hussein. Evaluating the Efficiency of the Instructional Websites "Which are Oriented to the Deaf Students", Pp 138-145, Journal of Convergence Information Technology(JCIT), 2010.
- Maha Al-Bayati, Karim Hussein, Visual Multimedia System Enhancing Spelling skills of English Reading for Deaf Students, supported by case study, Pp 58-66, International Journal of Computer Science and Systems (IJCSS), 2010.
- Maha Al-Bayati, Karim Hussein. e-Sign Language Supporting Hearing Impaired Students in Teaching/Learning Process (An Object Oriented approach), Pp 29-34, International Journal of Advancements in Computing Technology (IJACT), 2009.
- Maha Al-Bayati, Karim Hussein. Environment of Teaching/Learning Process for Hearing Impaired Persons Via e-Learning (Analytical Study), Journal of Computer Science / USA, 2009. (Accepted for publication)
- Karim Hussein, Maha Al-Bayati. Multiple Kinds of e-Exam System for The Deaf & Dumb: Developing & Evaluating "view points of experts in review, Pp 309-317, International Journal of Computer Science and Network Security (IJCSNS), 2009.
- Maha Al-Bayati, and Karim Hussein. Effects of Tutorial e-Lessons for Hearing Impaired Persons on Motivation Towards Learning (General Science Topic as Case Study), Pp 189-198, European Journal of Scientific Research (EJSR), 2009.
- Maha Al-Bayati, Saadya Fahad Jabbar, Developing a Spam Email Detector, International Journal of Engineering and Innovative Technology (IJEIT), Volume 5, Issue 2, August 2015
- Karim Q. Hussein, Maha A. Al-Bayati, "Comparative Study Between e-One Hand Finger Spelling and e-Sign Language for Hearing Impaired Persons Regarding Day-to-Day Activities Using an Object Oriented Approach", International Journal of Engineering and Innovative Technology (IJEIT), Volume 4, Issue 7, January 2015
- Maha Al-Bayati, Hisham Al-Rawi. Hybridized Genetic Algorithm for Solving M-Graph Coloring Problem, Engineering and Technology Journal, 1997.
- Maha Al-Bayati, Kalid Daimi. The Syntactic Analysis of Arabic by Machine, Pp. 29-37, Computers and the Humanities, Kluwer Academic Publishers. Netherlands, 1994.

PROFESSIONAL DEVELOPMENT

- Conferences.

1. Bayati, M. ,and Hussein, K. (2004) Instructional Computer Model based on Ausabel Theory. Proceedings of the 1st Scientific Conference of the College of Educational Science, Al-Hussein Bin Talal Univ., Jordan
2. Bayati, M. ,and Hussein, K. (2005) E-learning Modules for Genetic Algorithms. Proceedings of the Scientific Conference on Globalization and the Future Prospects of Education, Al-Hussein Bin Talal Univ, Jordan.
3. Bayati, M. ,and Hussein, K. (2008). Generic Software of e-Exam Package for Hearing Impaired Persons (Mathematics as Case Study). Proceedings of the 2nd Conference on Planning and Development of Education and Scientific Research in the Arab States”, King Fahd University of Petroleum & Minerals, Dhahran-SaudiArabia.
4. Bayati, M. ,and Hussein, K. (2008). Evaluating System for e-Learning Modules for Hearing Impaired Students (Technical Criteria in Review) . Proceedings of the IEEE Conference on AI Tools, in Engineering ICAITE, Cummins College, Pune, India.