

Curriculum Vitae

Name	Khalil El Hindi		
Contact Information	Department of Computer Science College of Computer & Information Sciences King Saud University Riyadh, Saudi Arabia Mobile : +966 583378881 khindi@ksu.edu.sa		
Date of Birth	17/7/1965		
Gender	Male		
Academic Rank	Associate Prof.		
Nationality	Jordanian		
Education	1983 - 1987	Yarmouk University	Irbid, Jordan
	B.Sc. Computer Science		
	1990-1991	University of Exeter	Exeter, UK
	M.Sc New Generation Computing		
	1991-1994	University of Exeter	Exeter, UK
	Ph.D Cooperative Intelligent Systems		
Awards received	ORS: Overseas Research Students by the British Government for the years 1990-1991,1991-1992,1992-1993		
Interests and activities	Machine Learning Artificial Neural Networks Knowledge Base Systems Cooperative Intelligent Systems		
Languages	Arabic	Native Language	
	English	2 nd Language	

Work experience

1987-1989	University of Jordan	Amman, Jordan
Teaching and Research Assistant		
1991-1993	Computer Unit/ University of Exeter	Exeter, UK
Part Time Program Advisor		
1994-2005	University of Jordan	Amman, Jordan
Assistant Professor		
2000-2001	University of Jordan	Amman, Jordan
The Assistant Dean for Community Service		
2001-2002	University of Jordan	Amman, Jordan
The Assistant Dean for Evening Studies		
2002- 2005	University of Jordan	Amman, Jordan
The Chairman of the Computer Information Systems Department		
2005-2010	University of Jordan	Amman, Jordan
Associate Professor		
2010-	King Saud University	Riyadh, Saudi Arabia

Administrative Work Experience

2000-2001	University of Jordan
The Assistant Dean for Community Service	
2001-2002	
The Assistant Dean for Evening Studies	
2002 -2004	
The Chairman of the CIS Department/KASIT, University of Jordan	

Accreditations and licenses

The European Computer Driving License ECDL

Committees

1. The Royal Committee for Rehabilitating Retired Army Personnel (2001 -2008)
2. Various Accreditation Committees formed by the Ministry of Higher Education, Jordan
3. Various Supervision Committees formed by the Ministry of Education, Jordan.
4. The Representative of the School of King Abdulla II for IT in the Council of the University of Jordan (2001-2002) .
5. Various Committees at the departmental, faculty, and University levels

Publications

Amel Alhussan and Khalil El Hindi, Selectively Fine-Tuning Bayesian Network Learning Algorithm, accepted for publication in International Journal of Pattern Recognition and Artificial Intelligence

Mona Jamjoom and Khalil El Hindi, Partial Instance Reduction for Noise Elimination, to appear (accepted) in Pattern Recognition Letters, Elsevier. 74, pp. 30-37.

Amel Alhussan and Khalil El Hindi, An Ensemble of Fine-tuned Heterogeneous Bayesian Classifiers, International Journal of Advanced Computer Science and Applications (IJACSA), 7 (2).

Amel Alhussan and Khalil El Hindi, "Fine Tuning the Tree Augmented Naïve Bayes (FTTAN) Learning Algorithm", Proceedings of the SAI Intelligent Systems Conference (IntelliSys), London, 2015

Khalil El Hindi, A Noise Tolerant Fine Tuning Algorithm for the Naïve Bayesian learning Algorithm, Journal of King Saud University - Computer and Information Sciences, Elsevier, 26(2), 237-246, 2014.

Khalil El Hindi, Fine Tuning the Naïve Bayesian Algorithm, AI Communications, 27(2), 133-141 2014

Khalil El Hindi, Specific-Class Distance Metrics for Nominal Attributes, AI Communications 26(3), 261–279. IOS Press. 2013

Khalil El Hindi, Bayan Abu Shawar, Bayesian-Based Instance Weighting For More Noise-Tolerant Instance-Based Learners, the INTERNATIONAL JOURNAL of COMPUTERS AND COMMUNICATIONS, 6(1), 2012.

Khalil El Hindi, Bayan Abu Shawar, Bayesian-Based Instance Weighting Techniques for Instance-Based Learners, The 12th WSEAS International Conference on ARTIFICIAL INTELLIGENCE, KNOWLEDGE ENGINEERING and DATA BASES ,(AIKED'12).

Khalil El Hindi and Mousa AL-Akhras, Smoothing Decision Boundaries to Avoid the Overfitting Problem in Neural Network Training, Neural Network World. Vol. 21, Issue 4, pp. 311-325, 2011

Khalil El Hindi, Using Artificial Ants for Attribute weighting for Instance-Based Learners, CICIS Fourth International Conference On Intelligent Computing & Information Systems 2009. Cairo, Egypt.

Khalil El Hindi and Mousa AL-Akhras, Eliminating Border Instance to Avoid Overfitting. IADIS International Conference Intelligent Systems and Agents 2009 (ISA 2009), 21-23 June, 2009, Algarve, Portugal.

Mousa AL-Akhras and Khalil El Hindi, Function Approximation Models for Non-Intrusive Prediction of VoIP Quality. IADIS International Conference on Informatics (I 2009) - Special Session on Telecommunications, Networks and Systems 2009 (TNS 2009), 17-19 June, 2009, Algarve, Portugal. ISBN: 978-972-8924-86-7.

S. Baddar; S. Serhan; K. El Hindi, Network fault diagnosis using conversational case-based reasoning. Advances in Modeling, Series D, Computer Science and Statistics vol. 11 no. 2, 2006.

Mousa AL-Akhras and Khalil El Hindi, Function Approximation Models For Non-Intrusive Prediction of VoIP Quality. IADIS International Conference on Informatics (I 2009)- Special Session on Telecommunications, Networks and Systems 2009 (TNS 2009), 17-19 June, 2009, Algarve, Portugal.

Khalil El Hindi, Instance-Based Digit Recognition, Advances in Modeling, Series B: Signal Processing and Pattern Recognition. 2005

Khalil El Hindi, Eman Faris, Areej Abu Kar, Instance Reduction Techniques for Arabic and Hindu digit recognition, Dirasat, Pure Sciences, Vol 32, No 1, 2005.

Khalil El Hindi, with Areej Abu Kar Combining Heterogeneous Classifiers for Classifying Handwritten Hindu and Arabic Digits, Dirasat, Pure Sciences, Vol 31, No. 2, 2004.

Khalil El Hindi, Ahmed Al Jaber, Shareenaz Al Haj Baddar, Steganography Using the Nearest Neighbor Algorithm, Abhath Al-Yarmouk: Basic Sci and Eng, Vol 12, No. 2, 2003, pp. 449-459.

Othman, O. and Hindi, K. (2004) Rule Reduction Techniques for the RISE Algorithm, Advances in Modeling, Series B: Signal Processing and Pattern Recognition, Vol 47, No. 2.

Issa Abu Eid, Khalil El Hindi, M. Zouby, Bayesian Based Probabilistic Model of Classifying Objects with Unknown Attribute Values Dirasat Vol 27 no. 2 . 2000

Khalil El Hindi, Using Interval Trees for Approximate Indexing of Instances, In the proc. of Artificial Learning and Data Mining, ALDM '05, Istanbul, Turkey

Rana Yousef, Khalil El Hindi, Locating Center Points for Radial

Basis Function Using Instance Reduction Techniques, In the proc. of Artificial Learning and Data Mining, ALDM '05, Istanbul, Turkey

Khalil El Hindi, Early-Halting Criteria for Instance-Based Learning, in Proc of ACS/IEEE International Conference on Computer Systems and Applications, AICCSA03, Tunisia.

Issa Abu Eid, Khalil El Hindi, Two-way Predictive models, In Proc of the Arab Conference on Information Technology Nov 2000, Zarqa, Jordan

Khalil El Hindi, Brain Lings, Using Truth Maintenance Systems to Solve the Data Consistency Problem. In Proc. Of the Second International Conf. On Cooperative Information Systems CoopIS-1994.

Books Coauthored

1. **Computer Network Management and Security 2009 Alquds University Press (in Arabic) with Dr. Wesam Mubaideen**
2. **Web Publishing 2008 Alquds University Press (in Arabic) with Dr. Ezz el Deen Hatab**
3. **Artificial Intelligence And Expert Systems 1996 Alquds University Press (in Arabic) with A. Al Hallaq**
4. **Introduction to Data Structures and Algorithm Analysis 1998 Alquds University Press (in Arabic) with others**
5. **Advanced C++ 1999 Alquds University Press (in Arabic) 1999 with K. Omar**
6. **Several Computer Programming Books, For Secondary Classes 1 and 2, Ministry of Education, Jordan**

Sample of Courses I teach

Artificial Intelligence (at graduate and undergraduate levels)
 Data Mining and Machine Learning (at graduate and undergraduate levels)
 Data Security
 Data Structures
 Database Systems
 Theory of Computations
 System Programming
 Software Engineering
 Compilers and Programming Languages
 Programming courses in C++, Java, PROLOG, LISP, VB.

Sample of M.Sc Thesis I Supervised

Using Genetic Algorithms for Instance Reductions
 Ant-Colony Optimization Techniques for the Selection of Center Points for Radial Basis Functions
 Association Rule Mining in the Holy Quran
 Knowledge Discovery Using A Developed Learning Algorithm
 Building Ensembles of Classifiers Using the RISE Algorithm
 Developing New Feature Selection methods for Discrete and Continuous Class Prediction
 Arabic Speech Synthesis Using Neural Networks
 A Study of the Efficiency of TMS-based Production Rule Systems
 Monitoring Temporal Changes in Real World Images

Integrating TMS-based ES over the Internet using TMS