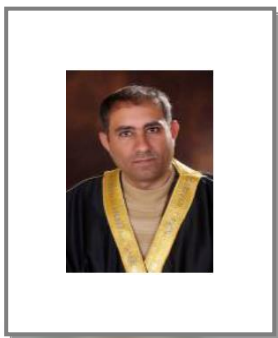




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Curriculum Vitae



Personal Information:

Name	Adel Hamdan Farid Mohammad
Place and Date of Birth	Amman- 17-9-1973
Nationality	Jordan
Marital Status / Number of Children if Any	Married
Post Office Box & Postal Code	
Mobile	00962785557100

Administrative Information:

Faculty	Information Technology
Department	Computer Science
Date of Employment	9/2012
Vocational Number	10281
E-Mail (Official)	Adel.hamdan@wise.edu.jo

Languages:

Language	Proficiency Level (Listening, Writing, Reading, Speaking)
English	Excellent



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Academic Qualifications:

Qualification	Specialization	Awarded by / Country	Date
Ph.D.	Computer Information System	Arab Academy for Banking and Financial Science / Jordan	2009
Master	Computer Information System	Arab Academy for Banking and Financial Science / Jordan	2005
Bachelor	Computer science and Information System	Philadelphia University	1998

Academic Ranks:

Rank	Granted by	Country	Date
Associative Professor	The world Islamic Sciences and Education University	Jordan	30/ 12 / 2015
Prof	The world Islamic Sciences and Education University	Jordan	25-10-2022

Specialization and Areas of Interest:

Specialization	Artificial Intelligence, Machine learning, Cybersecurity
Areas of Interest	Machine learning, Cybersecurity



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Title of PhD Dissertation and Abstract (within 150 words)

Application of Genetic Optimized Artificial Immune System in Spam Detection

In my thesis I present a machine learning method inspired by the human immune system called Artificial Immune System (AIS) which is a new emerging method that still needs more investigations and demonstrations. I apply core modifications on the standard AIS with the aid of the Genetic Algorithm (GA). I also apply Artificial Neural Network (ANN) for spam detection with a new manner. SpamAssassin corpus is used in all simulations. In standard AIS several user defined parameters are used such as culling of old lymphocytes. In Genetic Optimized AIS I present culling time instead of user defined value. Also, I introduce a new idea to check antibodies in AIS. This would make the system able to accept types of messages that were previously considered as spam. The idea is accomplished by introducing a new issue which we call rebuild time. Moreover, I use an adaptive weight of lymphocytes to modify selection opportunities for different gene fragments. In my work, I also apply core modifications on ANN in the input layers; these modifications allow input layers to be changed over time and to replace useless layers. This method eventually gave us promising results. I call this approach Continuous Learning Approach Artificial Neural Network CLA_ANN.

Title of MA(SC) Thesis and Abstract (within 150 words)

Comprehensive Exam (No thesis)



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Career Experience:

Job Title	Place of Work	Date
Assistance Professor	Applies Science Private University	2009-2012
Assistance Professor	The world Islamic Sciences and Education University	2012-2015
Associative Professor	The world Islamic Sciences and Education University	2015- up to Date

Administrative Posts / Works and Committees:

Administrative Post / Work and Committee	Date
Manager of Computer Science Department	9-2013 / 9-2014
Manager of Computer Science Department	9-2015 / 9-2018
Dean Assistant for Accreditation and Quality Assurance	9-2015 / 9-2016
Manager of Computer Science Department	9-2019 / 9-2020
Vice Dean / Information Technology College	9-2020 / up to date.



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Publications within the Last Five Years:

Name of Author / Authors	Research Title, Publisher, Date
Adel Hamdan	Innovative Guidelines to Enrich Knowledge Management and Improve Organization Performance , International Journal of Computer Applications, IJCA, Volume 110 – No. 9, January 2015 .
Adel Hamdan, Tariq Alwada'n, Omar Al-Momani	Arabic Text Categorization Using Support vector machine, Naïve Bayes and Neural Network , GSTF Journal of Computing Volume 5, Issue 1; pp. 108-115, 2016 .
Adel Hamdan, Omar Al-Momani, Tariq Alwada'n	Arabic Text Categorization Using k-nearest neighbour, Decision Trees (C4.5) and Rocchio Classifier: A Comparative Study , International Journal of Current Engineering and Technology, Accepted 03 December 2015, Available online 10 March 2016, Vol.6, No.2, April 2016 .
Tariq Alwada'n, Adel Hamdan, Thair Khmour and Bilal Zahran	Enhance broker topology for computational grid system , International Journal of advanced research, IJAR, November (30) issue, VOL 4, 2016 .
Adel Hamdan	Comparing Two Feature Selections Methods (Information Gain And Gain Ratio) On Three Different Classification Algorithms Using Arabic Dataset , Journal of Theoretical and Applied Information Technology Vol. 96 Issue 6, 2018 .
Adel Hamdan, Nidhal Al-omari,	Using Polynomial Neural Networks for Arabic Text Categorization , European Journal of Scientific Research, Vol 152, Issue 3. 2019 .
Adel Hamdan	Arabic Text classification: A review , Modern Applied Science, Vol. 13, No. 5, May 2019
Adel Hamdan	Ransomware Evolution, Growth and Recommendation for Detection , Modern Applied Science, Vol. 14, No. 3; 2020
Adel Hamdan	Analysis of Ransomware on Windows platform , International Journal of Computer Science and Network Security, Accepted For Publication, 2020



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Academic Conferences and Symposiums:

Conference Title	Place and Date of Conference	Type of Participation
the 7 th international scientific conference in Jordan 16-18 April, Alzaytoonah Private University.	Alzaytoonah Private University, 2007 .	Adel Hamdan , samer al hiwari, maher abu hamdeh," Development of a Conceptual Approach for Managing E-Risk"
European, Mediterranean & Middle Eastern Conference on Information Systems 2010 (EMCIS 2010), April 12-13, Abu Dhabi, UAE.	(EMCIS 2010), April 12-13, Abu Dhabi, UAE, 2010 .	Adel Hamdan , Wa'el Musa Hadi, Samer Alhawari , Developing a Qualitative Document Framework to Enhance Quality
<i>European, Mediterranean & Middle Eastern Conference on Information Systems 2010</i> , April 12-13 2010, Abu Dhabi, UAE.	, April 12-13, 2010, Abu Dhabi, UAE, 2010 .	Maher abu hamdeh, Adel Hamdan , Using analytical hierarchy process to measure critical success factors of m-learning,
14th IBIMA 2010 Conference (International Business Information Management Association), Turkey.	Turkey 23-24 June 2010 .	Wa'el Musa Hadi , Samer Alhawari , Haroun Alryalat, Louay Karadsheh , Adel Hamdan , CRM Processes: an Investigative Methodology toward a Conceptual Framework
the Tenth International Conference on Knowledge, Culture and Change in Organizations, Montréal, Canada.	Montréal, Canada, July, 2010	Alia Sabri, Bassam Al-Shargabi, Omar Sabri, Adel Hamdan , "Leading change to achieve business objectives"
proceedings of The 14th International Business Information Management Association, Conference on Global Business Transformation through Innovation and Knowledge Management, Istanbul, Turkey.	Istanbul, Turkey. IBIMA, 2010 .	Mohammad Ali H. Eljinini, Wa'el Musa Hadi, Adel Hamdan , Mohammad Ghatasheh, Performance of NB and SVM Classifiers in Arabic Text Data



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International Conference on Technology and Business Management, March 28-30, Dubai.	March 28-30, Dubai, ICTBM, 2011 .	Adel Hamdan, Bassam Al-Shargabi " Agile Software Methodologies: Employee, Customer, and Organization Factors",
International Conference on Communication, Media, Technology and Design, ICCMTD, May 09-11, Istanbul-Turkey.	ICCMTD, May 09-11, Istanbul-Turkey, 2012 .	Adel Hamdan, "Building a General E-marketing Strategy Guidelines
ISER-431st International Conference on Advances in Business Management and Information Science (ICABMIS), Istanbul, Turkey.	, Turkey on 6th - 7th September 2018 .	Adel Hamdan, Apply Two Feature Selections (Chi-square and Symmetric Uncertainty) Using C4.5 Classification Algorithm Based on Arabic Data set.

Training Courses and Certificates:

Training Course – Offered by / Certificate – Granted by	Date
• Cisco Certified Network Associate (CCNA) Granted by CISCO Academy USA.	2011
• Certified Ethical Hacker (CEH) Granted by ECC Council USA.	2019
• Cybersecurity Essentials Certificate (Granted by Cisco Academy)	2020
• Introduction to Cybersecurity Certificate (ICT) (Granted by Cisco Academy)	2020
• Introduction to Internet of Things (IoT) Certificate (Granted by Cisco Academy)	2020



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Courses Taught:

Course Taught	Bachelor	Graduate
Artificial Intelligence	☐	☐
Computer Graphics	☐	☐
Digital Design	☐	☐
Programming Fundamentals	☐	☐
Information Technology Fundamental	☐	☐
Decision Support System and Intelligent System	☐	☐
Special topic in Computer Science	☐	
Programming language: • Java 1 • Java 2 • C++ • HTML • VB6 • VB.NET and C#.NET (Visual Studio.NET) • Java Script	☐	

Membership in Scientific, Academic, or Professional Bodies and Societies:

Name and Place of Scientific, Academic, or Professional Body and Society	Date
• Member in a group for developing curriculums for the first three stages of the jordanian schools with collaboration of Ministry of education ,Menhaj company and Microsoft Company.(March / 2004 up to December / 2004)	2004



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Awards:

Name of Award	Awarded by / Place	Date

