



نموذج السيرة الذاتية  
Curriculum Vitae

1- Personal Data:		١ - المعلومات الشخصية:
Female أنثى <input type="checkbox"/> Male ذكر <input checked="" type="checkbox"/>		الاسم الرباعي:
Name in English:	Akram Aref hamarsheh	الاسم بالإنجليزية:
Nationality:	<input type="checkbox"/> Non Jordanian (حدد) <input checked="" type="checkbox"/> غير أردني (حدد) .....(Specify) <input type="checkbox"/> أردني Jordanian	الجنسية:
Date and place of Birth:	23.06.1973 Kuwait	تاريخ ومكان الميلاد:
Collage/Department:	Prince Hussein Bin Abdullah College for Information Technology	الكلية/القسم:
Position:	Vice Dean	المسمى الوظيفي:
Tel.:	026297000 ext. 2168	هاتف/الهاتف الفرعي:
E-mail:	hamarshi@aabu.edu.jo	البريد الإلكتروني :
Electronic links:	رقم الباحث في قاعدة البيانات الوطنية للباحثين في الجامعات:	روابط الكترونية:
ORCID:		
LinkedIn:		
Google Scholar:	<a href="https://scholar.google.com/citations?user=C14lrQQAAAAJ&amp;hl=ar">https://scholar.google.com/citations?user=C14lrQQAAAAJ&amp;hl=ar</a>	

2- Academic Qualifications:		٢ - المؤهلات العلمية:
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بلد التخرج Place of Graduation	المعهد/الجامعة University/Institute	التخصص الرئيسي Major	سنة التخرج Graduation Year	المؤهل العلمي الجامعي University Degree
Ukraine	National Technical University of Ukraine	Computer Science	٢٠٠٣	Ph.D.
Ukraine	National Technical University of Ukraine	Computer Science	١٩٩٩	M.Sc.
Ukraine	National Technical University of Ukraine	Computer Science	١٩٩٧	B.Sc.

Specialization:	Network	التخصص الدقيق:
Interests:	Image processing	مجالات الاهتمام:



عنوان وملخص رسالة الدكتوراه (في حدود ١٥٠ كلمة):

The actuality of the chosen theme. Integration of informational and computer resources based on computer networks is a dominated way of information technology development, which provides a higher level of effectiveness of computer data processing and a constant expansion of sphere of its application. The other side of the integration is a potential danger in terms of confidentiality and information authentication. This requires special data protection means to be used in computer systems and networks. The main parts of such means are considered to be cryptographic algorithms. Implementation of such algorithms requires additional computer resources and correspondingly reduces the effectiveness. Speed of data protection procedures is the most critical since data must be transferred without pauses. Therefore implementation of cryptographical algorithms is an actual and important problem for present-day stage of information technology development. The other important problem is reducing of time required for algorithm testing. Modern methods of cryptographical algorithms testing require lots of computer resources and in some cases time of testing can last several months and even years. Therefore for reducing of testing time and certification of cryptographical algorithms it is necessary to develop special methods and means which make it possible to accelerate procedures of complex evaluation of data protection level and to test cryptographic algorithms. The suggested thesis is concerned with the questions of theoretical and practical development of methods for efficiency increase in realization and testing of information protection algorithms in computer systems and networks.

عنوان وملخص رسالة الماجستير (في حدود ١٥٠ كلمة):

The actuality of the chosen theme. Integration of informational and computer resources based on computer networks is a dominated way of information technology development, which provides a higher level of effectiveness of computer data processing and a constant expansion of sphere of its application. The other side of the integration is a potential danger in terms of confidentiality and information authentication. This requires special data protection means to be used in computer systems and networks. The main parts of such means are considered to be cryptographic algorithms. Implementation of such algorithms requires additional computer resources and correspondingly reduces the effectiveness. Speed of data protection procedures is the most critical since data must be transferred without pauses. Therefore implementation of cryptographical algorithms is an actual and important problem for present-day stage of information technology development. The other important problem is reducing of time required for algorithm testing. Modern methods of cryptographical algorithms testing require lots of computer resources and in some cases time of testing can last several months and even years. Therefore for reducing of testing time and certification of cryptographical algorithms it is necessary to develop special methods and means which make it possible to accelerate procedures of complex evaluation of data protection level and to test cryptographic algorithms. The suggested thesis is concerned with the questions of theoretical and practical development of methods for efficiency increase in realization and testing of information protection algorithms in computer systems and networks.

### 3- Professional Experiences:

٣ - الخبرات العملية:

#### 3/1- Employment & Job Ranks:

١/٣-المسمى الوظيفي و المراتب والدرجات الوظيفية:

المدة Period		مسمى الوظيفة Job Title	المكان Place	المرتبة أو الدرجة Rank	جهة العمل Employer
إلى To	من From				
Present	2021	Professor / Vice Dean	Deanship of Graduate Studies	Professor	Al albayt University



2021	2020	Professor / Vice Dean	College for Information Technology	Professor	Al albayt University
2020	2016	Associate Professor / Head of Department	College for Information Technology	Associate Professor	Al albayt University
2016	2012	Associate Professor	College for Information Technology	Associate Professor	Northern Border University
2012	/ 2011	Assistant Professor	College for Information Technology	Assistant Professor	Northern Border University
2011	2010	Head of Department	College for Information Technology	Assistant Professor	Al albayt University
2010	2009	Assistant Professor	College for Information Technology	Assistant Professor	Al albayt University
2009	2008	Head of Department	College for Information Technology	Assistant Professor	Al albayt University
2008	2007	Vice Dean	College for Information Technology	Assistant Professor	Al albayt University
2007	2005	Head of Department	College for Information Technology	Assistant Professor	Al albayt University
2005	2004	Vice Dean	College for Information Technology	Assistant Professor	Al albayt University

3/2- Leading Positions During Academic Work:

٢/٣- المناصب الادارية/اللجان التي تقلدها أثناء العمل  
الاكاديمي:

المدة Period		المنصب Position	جهة العمل Employer
الى To	من From		
Present	2021	Professor / Vice Dean	Al albayt University
2021	2020	Professor / Vice Dean	Al albayt University
2020	2016	Associate Professor / Head of Department	Al albayt University
2016	2012	Associate Professor	Northern Border University
2012	/ 2011	Assistant Professor	Northern Border University
2011	2010	Head of Department	Al albayt University
2010	2009	Assistant Professor	Al albayt University
2009	2008	Head of Department	Al albayt University
2008	2007	Vice Dean	Al albayt University
2007	2005	Head of Department	Al albayt University
2005	2004	Vice Dean	Al albayt University



<b>4- Training &amp; Professional Qualification (Continues Professional Development):</b>	٤- التدريب والتأهيل المهني (التطوير المهني المستمر):
<b>4/1- Training Courses &amp; Lectures:</b>	١/٤ - المحاضرات أو البرامج التدريبية التي تم الحصول عليها :

التاريخ Date	المكان Place	جهة التدريب Trainer	المحاضرة/الدورة Course/Lecture
15&16 Des 2012,	alkharj, Saudi Arabia.	Salman Bin Abdelazeez University	The Quality of Administration Planning and Management
26&27 Nov 2012	alkharj, Saudi Arabia.	Salman Bin Abdelazeez University	Establishing Data Analysis and Reporting System Based on NCAAA Requirement
19th to 21st January 2010	University of Jordan, Amman, Jordan.		LinkSCEEM HPC workshop from
December 5-7 2009.	Amman Jordan		Scientific Networking Event for Information and Communications Technology (ICT) Researchers from Europe. The Middle East and North Africa Held at El Hassan Science City in
November 6th 2008	University of Jordan, Amman, Jordan.		Jordanian Universities Network (JUNet) in cooperation The Computation-based Science and Technology Research Center (CSTRC) of the Cyprus Institute with the LINKSCEEM Project and the SESAME of Jordan, Wadi Rum Auditorium
18&19 July 2006	Amman, Sheraton Hotel.		The Center for Quality Assurance in International Education organized Workshop on "Promoting Excellence in Higher Education Programs" held in
10/07/2006	Amman, Sheraton Hotel		The Quality Assurance Agency for Higher Education "Al Hussein Fund for Excellence Computer Science Follow up Training Session", held in.
8/12/2004,	Amman-Jordan, Yarmouk University.		Conference the ICT innovation partnership symposium in
10/07/2006	Amman, Sheraton Hotel.		The Quality Assurance Agency for Higher Education "Al Hussein Fund for Excellence Computer Science Follow up Training Session", held in
2&3 April 2012,	rafha,		Northern border university organized workshop on "Quality Assurance and Academic Accreditation ", Saudi Arabia.



4/2- Training and/or Delivering Technical & Professional Lectures :

٢/٤ - تدريب أو إعطاء محاضرات علمية ومهنية:

التاريخ Date	المكان Place	مركز التدريب Training Center	المحاضرة/الدورة Course/Lecture

5- Scientific & Professional Participations:

٥- المشاركات العلمية والمهنية:

5/1- Scientific Researches, Studies & Technical Reports:

١/٥- الدراسات والأبحاث والتقارير والأوراق العلمية:

التاريخ Date	الناشر Publisher	العنوان Title
1999	Management and processing technique, – Kiev: VEK+ – 1999. – No 32. – P. 137-145.	Korochkin A.V., <b>Akram Moustafa</b> . Parallel calculation: ADA and JAVA // Bulletin of the National Technical University of Ukraine “KPI”. Informatics, (The author of the dissertation has analyzed different possibilities of parallel calculation realization in information protection systems).
2002	Ukraine “KPI”. Informatics, management and processing technique, – Kiev: VEK+ – 2002. – No 37. – P.120-129.	Markovskyy A.P., <b>Akram Aref Naef Moustafa</b> , Bojko A.V. About one approach to definition of the complication of the random and pseudorandom binary sequences // Bulletin of the National Technical University of (The author of the dissertation has offered an evaluation method of data protection level by stream algorithms utilizing non-linear reproduction models and algorithm of such models’ formation).
2002	“KPI”. Informatics, management and processing technique, – Kiev: VEK+ – 2002 – No 38. – P. 106-113	<b>Akram Aref Naef Moustafa</b> . Statistical evaluation of non-linearity and entropy characteristics of Boolean functions // Bulletin of the National Technical University of Ukraine “KPI”. Informatics, management



		and processing technique, – Kiev: VEK+ – 2002 – No 38. – P. 106-113. (The author of the dissertation has offered an express method to define non-linearity of Boolean functions and methodology of its application in defining resistance of data protection algorithms to the linear crypto analysis).
2002	Scientific news NTUU “KPI”. - No 4.- 2002.- P.31-38	Samofalov K.G, Markovskyy A.P., <b>Akram Aref Naef Moustafa</b> . Organization of parallel calculation of hash-signatures for information protection systems in computer networks //. (The author of the dissertation has suggested methods of parallel calculation of hash-signatures without decrease in their protection level).
2009	International Journal of Electrical and Information Engineering, Vol.3, No.8, pp.492-496, 2009.	<b>Akram A. Mustafa</b> , "Increase of Error Detection Effectiveness in the Data Transmission Channels with Pulse-Amplitude Modulation",
2013	The International Arab Journal of Information Technology, vol.10, no.1, 2013.	Venus W. Samawi, <b>Akram A. Mustafa</b> and Abeer K. Ahmad, "Arabic Expert System Shell",
2014	Contemporary Engineering Sciences journal, vol. 7, no.4, pp.193-206, 2014.	<b>Akram A. Mustafa</b> , "Fast Exponentiation in Galois Fields GF(2 <sup>m</sup> ) Using Precomputations",
2015	International Business Research, vol. 8, no.11, 2015.	<b>Akram A. Mustafa</b> and Mohammed-Issa Riad Mousa Jaradat , " A New Approach for License Plate Detection and Localization: Between Reality and Applicability",
2017	Journal of Emerging Trends in Computing and Information Sciences, vol. 8, no.1, 2017.	<b>Akram A. Mustafa</b> , " Analysis of Various Artificial Neural Networks used for Function Approximation ",
2018	Int. J. Mobile Communications, vol. 16, no.4, 2018.	Mohammed-Issa Riad Mousa Jaradat , <b>Akram A. Mustafa</b> and Abedalellah Mohammed Al-Mashaqba" Exploring perceived risk, perceived trust, perceived quality and the innovative characteristics in the adoption of smart government services in Jordan,
2015	International Business Research, vol. 8, no.11, 2015.	<b>Akram A. Mustafa</b> and Mohammed-Issa Riad Mousa Jaradat," A New Approach for License Plate Detection and Localization: Between Reality and Applicability,
2019	International Journal of Computer Science and Network Security, 2019.	<b>Akram Mustafa</b> "Experimental analysis of artificial neural networks used for function approximation",



التاريخ Date	الموقع Place	نوع المشاركة Type of participation	العنوان Title
2002	Conference of students, post-graduates and young scientists. - 2002.- Kiev. - P.105.	Author	<b>Akram Aref Naef Moustafa.</b> Complex definition of the binary random and pseudorandom binary sequences. Systematic analysis and informational technologies. // Thesis of reports of participants of the IV International scientific and practical (The author of the dissertation has suggested a complex method to evaluate crypto resistance of stream data protection algorithms by means of non-linear reproduction model's formation).
2002	International scientific and practical conference "Problems of mathematical modeling of modern technologies".- 2002. – Chmelnitsk. - P.78-79.	Author	Markovskyy A.P., <b>Akram Aref Naef Moustafa.</b> Non-linear models of stochastic binary streams in imitational project systems. // Thesis of reports on the (The author of the dissertation has offered an algorithm for formation of non-linear reproduction models of stochastic binary sequences).
2007	International Conference on Advanced Computer Systems and Networks (ACSN 2007), Sep 20-22, 2007– Ukraine.	Author	Igor Zhukov, <b>Akram Moustafa</b> , Alexander Korochkin and Sadegh Rastgoo. Experimental Performance Analysis of Shared Variable-based and Message-based Models in Programming for SMP Systems.
2008	Proceedings of World Academy Of Science, Engineering And Technology CSIT 2008: "International Conference on Computer Science And Information", ISSN 2070-3740, Vol.32, pp.646-651, 30-31/8/2008 And 1/9/2008, Singapore <a href="http://www.waset.org">http://www.waset.org</a> .	Author	<b>Akram Mustafa</b> and Saleh Ebrahim Alomar, Problems of Collision-Free Hash-Addressing of Fixed Key Array.
2008	21st International CODATA Conference Scientific Information for Society - from Today to the Future, October 5 - 8, 2008 - Ukraine, Kiev, <a href="http://www.codata08.org.ua">http://www.codata08.org.ua</a> .	Author	Saleh Ebrahim Alomar, <b>Akram Mustafa</b> and Alexander Markovskyy. "The Approach to Increase of Efficiency of Identification Subscribers of the Multiuser Systems".
2009	The 2009 International Conference on e-commerce, e-Administration, e-Society, and e-Education (e-CASE 2009), pp.33-40, January 8-10, 2009, Singapore, ISBN: 978-986-83038-3-6, <a href="http://www.e-case.org/2009">http://www.e-case.org/2009</a> .	Author	Saleh Ebrahim Alomar and <b>Akram Mustafa.</b> "E-commerce in small firms Use, barriers and benefits".
2009	ICCSAM 2009:"International Conference on Computer	Author	<b>Akram.A. Mustafa.</b> "Increase of Error Detection Effectiveness in the Data





	Science and Applied Mathematics", vol.40, pp.23-27, April 28-30, 2009 in Italy, ISSN: 2070-3740, 2009.		Transmission Channels with Pulse-Amplitude Modulation",
2009	Proceedings of the World Congress on Engineering and Computer Science, vol.1, pp.255-259, ISBN:978-988-17012-6-8, ICCSA_36 (International Conference on Computer Science and Applications 2009), 20-22 October, 2009, San, Francisco, USA. <a href="http://www.iaeng.org">http://www.iaeng.org</a> .	Author	<b>Akram A. Moustafa</b> and Saleh Alomar, the Protection of Modular Exponentiation Operands from Their Reconstruction by Simple Power Analysis,
2009	Proceedings of the World Congress on Engineering and Computer Science, vol.2, pp.1282-1285, ISBN:978-988-18210-2-7, ICSP1E_11 (International Conference on Signal Processing and Imaging Engineering 2009), 20-22 October, 2009, San Francisco, USA. <a href="http://www.iaeng.org">http://www.iaeng.org</a> .	Author	<b>Akram A. Moustafa</b> and Ziad A. Alqadi, Reconstructed Color Image Segmentation,
2010	International Conference on Theoretical and Mathematical Foundations of Computer Science (TMFCS-10), 12-14 July, 2010, Orlando, Florida, USA.	Author	Saleh Alomar, <b>Akram A. Moustafa</b> and Eyad A. Shahroury, " Weighted Check Sum Usage for Increasing Data Transfer Errors Detection and Correction Efficiency",

#### 6- Membership in Professional Organizations & Associations:

#### ٦ - عضويات في هيئات وجمعيات مهنية:

الموقع Place	التخصص Specialization	اسم الجهة Name





## 7- Teaching activities

## ٧- الانشطة التدريسية

الدراسات العليا	البكالوريوس	المقررات والمساقات الدراسية التي قام بتدريسها Courses
<input type="checkbox"/>	√	مساق حاسوب ٩٩
<input type="checkbox"/>	√	مساق حاسوب (٢) للتخصصات العلمية
<input type="checkbox"/>	√	مساق حاسوب ٢ للتخصصات الإنسانية
<input type="checkbox"/>	√	مساق حاسوب ٢ لطلبة تكنولوجيا المعلومات
<input type="checkbox"/>	√	مساق البرمجة الكينونية
<input type="checkbox"/>	√	مساق شبكات الحاسوب
<input type="checkbox"/>	√	مساق نظم ادارة قواعد البيانات
<input checked="" type="checkbox"/>	<input type="checkbox"/>	مساق حلقة بحث (٩٠١٧٩١)
<input type="checkbox"/>	√	البرمجة بلغة بييسك المرئية
<input type="checkbox"/>	√	تصميم الصفحات الإلكترونية
<input type="checkbox"/>	√	لغات الجيل الرابع
<input type="checkbox"/>	√	مبادئ نظم المعلومات
<input type="checkbox"/>	√	الوسائط المتعددة

## 8- Other Works & Activities

(Voluntary Professional Activity, Writing, Professional Award, Acknowledgment & Appreciation, etc....):

٨- أعمال وأنشطة أخرى  
(أنشطة تطوعية مهنية وخدمة مجتمع، مؤلفات، براءات  
اختراع، جوائز وأوسمة، شهادات شكر وتقدير، ....):

التاريخ Date	مقدم إلى: Presented to:	النوع Type	الموضوع Subject	نوع النشاط Type of Activity