



Princess Sumaya جامعة
University الأميرة سمية
for Technology للتكنولوجيا

Faculty Curriculum Vitae

1. Personal Data						
Full Name:	Ashraf M. A. Ahmad					
Department:	Computer Graphics and Animation					
Faculty:	Computing Sciences College	University:	PSUT			
Address:	Amman aljubaiha					
Email:	a.ahmad@psut.edu.jo		Homepage:			
2. Education						
Certificate	Specialization	Year	Name of University	City	State	Country
Ph.D.	Compute Science and Engineering	2006	National Chiao Tung University NCTU	Hsinchu	Hsinchu	Taiwan
B.Sc.	Computer Science	2001	PSUT	Amman	Amman	Jordan
3. Employment						
3.1 Academic Positions:						
Rank	Department	University	City	Country	Date/s	
Associate Professor	computer graphics and animation	PSUT	Amman	Jordan	4/2012-now	

Assistant Professor	computer graphics and animation	PSUT	Amman	Jordan	06/06/2006-4/2012
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4.2. Administrative Positions:

Position	Faculty	University	City	Country	Period
Dean	Computing Sciences	PSUT	Amman	Jordan	17/9/2019-now
Chairman of Department	Computer Graphics and Animation	PSUT	Amman	Jordan	16/09/2010-16/09/2014
Director of Encryption Research Center	King Abdullaah Design and Development Bureau	-	Amman	Jordan	15/5/2016-1/9/2018

4. Membership in Scientific Societies and Associations

- ACM
- ICPC
- Jordan Programmer Association
- National Cyber Security Council
- AFCEA
- Member of ACM SIGMM Special Interest Group of Multimedia.
- Member of The Institute of Electronics, Information and Communication Engineers (IEICE)
- Member of Soft Computing in Image Processing (SCIP) Working Group
- Member of The Swedish National Real-Time Association (SNART)
- Member of the Society for Information Display (SID).
- Member of Jordan Computer Society (JCS)

5. Honor and Awards

- Wining the American challenge cup in Jordan for project on machine learning based narcotic drug remote detection project.
- Winning Microsoft award on Pollution detection System using machine learning from video images
- Winning Microsoft award on ECRAM project in 2009. Interoperability Award.
- Sedi Ali Award 2021, from ACPC in recognition for establishing the JCPC and contribution to competitive programming and education in the region
- R.O.C Ministry of Higher Education Highest Scholarship award for four consecutive years

-The president of the Jordanian Programmers Association and the chairman of ACM ICPC Levant Region.

With my supervision and coaching, I and my teams won several international, regional and national prizes:

- 2007 ITSAF competition 2nd place
- 2007 METS competition first place
- 2008 ITSAF competition 1 place on Jordan and 2nd on the Arab world
- 2008 ITSAF competition scientific award 2nd place
- 2008 first place on the International Imagine Cup competition first on LEVANT region
- 2009 International Imagine Cup competition third on the world out of 106 teams
- 2010 first on Technology Parade competition in Multimedia Processing
- 2011 first and third start up competition and receive two awards Umniah and Tak-Tek game
- 2011 second rank in METS competition
- 2011 receive 3rd and 4th place in ACM national competition and first place on all Jordanian team in the regional competition.
- 2012 Received the first place ACM national competition and first place on all Jordanian team in the regional competition.
- 2012 Received the solid programmer award ACM national competition.
- 2013 Received the first place ACM national competition and first place on all Jordanian team in the regional competition.
- 20113 Received the solid programmer award in the national competition.
- 20113 Received the extreme programmer award in the national competition.
- 20113 Received the solid programmer award in the regional competition.
- 20113 Received the extreme programmer award in the regional competition.
- 2013 the Levant Champion in the regional ACM competition
- 2013 third on the regional ACM competition
- 2013 qualify to the world final ACM ICPC and become the first Jordanian team ever qualified to the world final
- win the 2014 regional ROV competition in Egypt and qualify to world final at NASA
- Win the in Imagine Cup 2014 the game programming national winner
- Win First rank and the earn cup of 2014 coding-wiz competition
- 2014 win the cup and First rank award ACM national competition.
- Win in the National Technology Parade at Security track 2015
- Win the 2015 Received the first place ACM national competition and first place on all Jordanian team in the regional competition.
- Win the 2018 ICPC JCPC in Jordan first place
- Win the and Received the second place ACPC Arab Region and first place on all Jordanian team in the regional competition.
- 2018 Bronze Medal in IOI worldwide Competition for programming (88 countries)
- 2018 Silver and Bronzes Medal in IOI worldwide Competition for programming (88 countries)
- 2019 Win the 2019 ICPC JCPC in Jordan first place
- 2019 Win the first and second place ACPC Arab Region qualify to world final
- 2021 win the world ACPC champion for Arab and whole Africa Region
- 2021 Win the 2021 ICPC JCPC in Jordan first place
- 2021 Win the first place ACPC Arab Region qualify to world final

6. Fellowships and Scholarships

7. Teaching Experience

9.1 Graduate Courses

No.	Course Name	Course Number
1.	Cryptography	11924
2.	Digital Image Processing	11751
3.	Cyber Risk Management	11783
4.	Research Methodology	11911
5.	Operating System	11712
6.	Research Seminar	11912
7.	Mobile Computing for Enterprise	13755

9.2 Undergraduate Courses

No.	Course Name	Course Number
1.	File Management and Operations	11221
2.	Data Structure	11212
3.	Game Programming	12442
4.	Structured Programming	11103
5.	AI for Game Programming	12328
6.	Visual Programming	12347
7.	Object Oriented Programming	11206
8.	Multimedia Programing	12348

9.	Digital Image Processing	11445
10.	Introduction to Computer Science	11102
11.	Internet Programming	11245

8. Supervision of Graduate Research

No.	Student Name	Title of Thesis	Year
1.	رحمه فواز مصطفى ابراهيم	DDOS Attack Prevention for Internet of Thing Devices Using Ethereum Blockchain Technology	2022
2.	علاء الدين محمد عبد ربه العكايله	Serpent Algorithm for Secure Medical Images	2022
3.	حمزه عبدالقادر اديب الكيلاني	OSINT Semi Automation model to detect suspicious users behavior on social media	2022
4.	أمل رضوان محمد سيف	Smart Sandbox for Malware Detection	2021
5.	الاء عبد الله محمد البدارنه	Automated Flower Species Detection and Recognition From Digital Images	2016
6.	اسراء عبد الله محمد البدارنه	Oil Paintings Authentication Using Digital Image Processing	2016
7.	ميساء عبد الرحيم مد الله العساسفه	Dynamic Cybersecurity risk management (intelligence security operation center) using Machine Learning	2020
8.	هاشم محمد موسى العلايا	Malware Detection using Portable Executable (PE) File Headers Inspection	2013
9.	دانيه عبد ظاهر اللوزي	Features Extraction of Social Media Bots for Pattern Recognition and Validation	2015
10.	حمزه جلال حلمي عابدي	Social Media Network Bots Identification and Analysis	2015
11.	مصطفى عماد مصطفى عزام	Intelligent Approach For Smartphone User Authentication Based On Keystroke Error Pattern	2014
12.	محمد فوزي ذيب خليل	Hybrid Approach For Appraising E-Business Reliability Using Forensic And Social Network Analysis	2014
13.	اسماعيل محمود عبدالقادر جعفر	Frequency Domain Hybrid Based Image Indexing and Retrieval	2012

9. Grants				
No.	Project Name	Year Of Grant	Grantor Organization	Grant Amount
1.	Project on smart video analysis for pollution monitoring	2 years	Scientific Research Support Fund	36,000.0 JOD
2.	Project to use interactive media to develop youth skills	2 years	United Nation Development Programme (UNDP)	1,000,000.0 USD
3.	establish Enterprise System Engineering (ESE) program	2 years	EU Tempus Project	200,000.0 Euro
4.	Google fund for attending scientific workshop	1 month	Google	10,000.0 USD
5.	Mobility Research support by EU in Join Med project	2 months	EU	10.000.0 Euro
6.	OSINT Semi-Automation Model to protect against cyberattacks facing Jordan and increase public safety on social media	18 months	Scientific Research Support Fund	76,000.0 JOD
10. Patents				

No.	Author's last name	author's first name	Name of Patent	Patent number	Date the patent was issued (Date/Month/Year)
1.	Ahmad	Ashraf	METHOD AND SYSTEM FOR CONTROLLING MULTIMEDIA COMMUNICATION QUALITY IN A HAND HELD DEVICE	US 8.237,768 B2	Aug. 7, 2012
2.	Ahmad	Ashraf	Method and Apparatus for Motion Vector Refining	95.125615	2008

11. Membership of Committees

13.1 National and International Committees (add rows as needed)

1.	Jordan Olympiad of Informatica
2.	International Olympiad of Informatica
3.	Jordanian Programmers Association
4.	Member at the ACPC general committee
5.	Chairman of the JCPC-ICPC committee
6.	Chairman of ACM ICPC Levant Region
7.	Scientific Technical Committee and Editorial Board on Engineering and Applied Sciences Journal and society
8.	Editorial Board member for the International Journal of Handheld Computing Research
9.	Jordanian Programmers Association
10	Associate editor in Advances in Information Mining Journal

11.	Scientific Technical Committee and Editorial Board on Engineering and Applied Sciences Journal and society
12.	Editorial Board Member in International Journal on Mobile Computing and Multimedia Communications (IJMCMC)
13.	Member of the International Domain Experts Board in The International Journal of Software Architectures
14.	Member of Advisory board for Conferences of ISEM
15.	Keynote speaker at Cambridge University international conference on Intelligent computing, UK
16.	Plenary speaker at Washington Conference on serious game Design, USA.
17.	Plenary speaker at Jordan Game summing
18.	The coach of the world finalist team in ACM ICPC competition and the winner of several regional and national ACM ICPC competitions
19.	Member in the Program committee in the International Conference on Mobile Computing and Multimedia
20.	Member in the Program committee 2011 International Conference on Information and Electronics Engineering (ICIEE 2011)
21.	Member in PC of the International Power Engineering and Optimization Conference (PEOCO2010)
22.	Member in the Program committee in IRMA2007
23.	Member in the Program committee 2nd International Symposium on Management, Engineering and Informatics (MEI 2006)
24.	Member in the Program committee International Symposium on Optics, Informatics and Cyber
25.	Member in the Program committee in International Conference on Graphics, Vision and Image Processing, Egypt.

26	Member in the scientific committee for workshop in Application of Soft Computing in Astronomical and Geophysical Researches part of The Fifth International Conference on A new trend in informatics
27	IMCL2007 conference PhD and Master Colloquium chair in IMCL 2007 Session Chair in the
28	International committee program of the workshop on Soft Computing in Intelligent Multimedia workshop
13.2 University Committees (add rows as needed)	
1.	Chairman of Talented Students Committee
2.	member in the University Human Resources Committee
3.	member in the University Bids Committee
4.	chairman of scientific research committee at computing college
5.	member for the university committee for research and development and higher studies
6.	member in the university curricula development committee
7.	member in the department curricula development committee

12. Professional and Scientific Meetings	
14.1 Scientific Meetings Organized	
Provide list of conference or symposium or workshop etc., place, and date (add rows as needed)	
1.	Arabic Content Workshop, PSUT, 2013
2.	Advance Graph Algorithm, PSUT, 2019
3.	Advances in Mobile Multimedia conf., Bali, Kuala Lumpur.
4.	JoAnimate workshops PSUT, 2013
5.	Jordan Top Hacker tutorial sessions and CTF 2015 business park
6.	Jordan Top Hacker tutorial sessions and CTF 2017 business park

7.	Jordan Top Hacker tutorial sessions and CTF 2018 business park
8.	Scientific Meeting on Lecture Series in Computing Sciences at PSUT 2020
14.2 Participation in Scientific meetings	
Provide list of conference or symposium or workshop etc., place, and date (add rows as needed)	
1.	AFCEA conference on Cyber Security 2018
2.	Amazon Technical meeting at Amman 2020
3.	Amazon Technical meeting at Amman 2022
4.	AI in Defense Technology conference Jordan AIDSEC 2021
5.	Security in Fintech world summit 2022 Amman
6.	SANS workshop on OSINT 2021 USA virtual meeting
7.	Jordan Game Summit 2013
8.	Jordan Game Summit 2014

13. Participation in or organization of curricular and/or extra-curricular activities	
Provide list with name, place, date of event and other relevant details (add rows as needed)	
1.	Jordan Collegiate Programming Contest JCPC 2011-present PSUT,ASU,BAU,JU
2.	Arab and Africa Collegiate Programming Contest ACPC 2012-present PSUT,ASTU,AU
3.	Coding marathon PSUT 2013-present
4.	JOI Jordan Olympiad of Informatica 2014-present PSUT,GJU
5.	Alfursan Collegiate Programming Contest 2015-2016 Aqaba
6.	JTH Jordan Top Hacker Contest 2016-2018 BizPark

7.	Meta CTF 2019 PSUT
8.	Amman Collegiate Programming Contest 2015-2019 JU,PSUT,ZU
9.	JoAnimate 2013 PSUT

14. Publications

Provide numbered lists of:

- Papers in refereed journals
- Books and Book Chapters
- Conference Presentations
- Reports

Format to be followed:

Author's family name, initials (in case of multiple authors, your name and initials should be in bold); Title of Article, Name of Journal, Vol. no., year of publication, pages xxx-xxx. (add rows as needed)

1.	Rahmeh F Ibrahim, Qasem Abu Al-Haija, Ashraf Ahmad "DDoS Attack Prevention for Internet of Thing Devices Using Ethereum Blockchain Technology" Sensors, 2022
2.	MA Al-Fayoumi, A Odeh, I Keshta, Ashraf MA Ahmad, "Techniques of medical image encryption taxonomy", Bulletin of Electrical Engineering and Informatics 11 (4). 2022
3.	Ashraf MA Ahmad, Y AbuHour, R Younis, Y Alslman, E Alnagi, Q Abu Al-Haija, "MID-Crypt: A Cryptographic Algorithm for Advanced Medical Images Protection" Journal of Sensor and Actuator Networks 11 (2), 24, 2022
4.	Ashraf MA Ahmad, Y AbuHour, A Alhassan, "A Novel COVID-19 Prediction Model with Optimal Control Rates" INTELLIGENT AUTOMATION AND SOFT COMPUTING 31 32(2):979-990 2022
5.	M Atrees, Ashraf M. A. Ahmad, F Alghanim, "Enhancing Detection of Malicious URLs Using Boosting and Lexical Features" INTELLIGENT AUTOMATION AND SOFT COMPUTING 31 (3), 1405-1422, 2021
6.	Ashraf MA Ahmad, Y AbuHour, F Alghanim, "A Novel Model for Distributed Denial of Service Attack Analysis and Interactivity" Symmetry 13 (12), 2443, 2021
7.	Ashraf MA Ahmad, M Hababeh, A Abu-Hantash, Y AbuHour, H Musleh, "Reduce Effect of Dependent Malicious Sensor Nodes in WSNs using Pairs Counting and Fake Packets" International Journal of Computers, Communications and Control 15 (5), 2020
8.	Ashraf MA Ahmad, Y Abu-Hour, MH DarAssi, "Effects of computer networks' viruses under the of removable devices" International Journal of Dynamical Systems and Differential Equations 10 (3) 233-248, 2019
9.	Ashraf MA Ahmad, YS Abu Hour, MH DarAssi, "Advance system and model to predict malicious files prorogation inside computer network" IET Networks 8 (1), 38-47, 2018
10.	IA Albadarneh, Ashraf M. A. Ahmad, "Machine learning based oil painting authentication and features extraction" International Journal of Computer Science and Network Security (IJCSNS) 17(1) 8-17. 2017
11.	AA Albadarneh, Ashraf M. A. Ahmad, "Automated flower species detection and recognition from digital images" International Journal of Computer Science and Network Security (IJCSNS) 17(1) 144-151. 2017

12.	Ashraf M. A. Ahmad, Akram Alharouk, 2014 "Image Analysis Algorithm to detect Defected Tablets in Medical Pills Strip", The Modern Information Technology Trends (MITT) conference, 2014, Amman ASU.
13.	Ahmad Awwad, Ashraf Ahmad, Walid Salameh, "Arabic race classification of face images" International Journal of Computers & Technology 4(2) 234-239. 2013
14.	Ashraf MA Ahmad, B Ahmad, "Framework for Smart Agent-based Mobile Multimedia Applications" International Journal of Advancements in Technology 3 (1) 2012
15.	Ashraf MA Ahmad d, A Alqutami, J Atoum, "A robust algorithm for arabic video text detection" Proceedings of the 2011 2nd International Congress on Computer Applications 2011
16.	S Abou El-Seoud, Ashraf MA Ahmad, HF El-Sofany, "Mobile learning platform connected to moodle using J2ME" International Journal of Interactive Mobile Technologies (IJIM) 3 (2), 46-54, 2010
17.	Ashraf M. A. Ahmad , "Semantic-Based Video Transcoding Architectures for Quality of Service Applications in Mobile and Wireless Video Communication" Multimedia Transcoding in Mobile and Wireless Networks book 142-159, 2009.
18.	Ashraf M. A. Ahmad, "Content and Resources Based Mobile and Wireless Video Transcoding" International Journal of Electronics and Communication Engineering 2 (4) 682-687, 2008
19.	Ashraf M. A. Ahmad "Mobile multimedia: communication technologies, business drivers, service and applications" book chapter, Multimedia Technologies: Concepts, Methodologies, Tools, and Applications book 634-653, 2008.
20.	Ashraf M. A. Ahmad I K.Ibrahim "Multimedia Transcoding in Mobile and Wireless Networks" Book 2008.
21.	Ashraf MA Ahmad, Suh-Yin Lee "Fast and robust object-extraction framework for object-based streaming system" International Journal of Virtual Technology and Multimedia, 1(1) 39-60, 2008
22.	Ashraf M. A. Ahmad, "Multimedia content and the semantic web: Methods, standards and tools" Journal of the American Society for Information Science and Technology, 58(3) 457-458, 2007.
23.	Ashraf MA Ahmad, "Handbook of Research on Mobile Multimedia" Journal of Electronic Commerce in Organizations 5 (1), 92-96. 2007
24.	Ashraf MA Ahmad, "Mobile Video Transcoding Approaches and Challenges" Encyclopedia of Mobile Computing and Commerce, 627-631, 2007.
25.	Ismail Khalil Ibrahim, Ashraf M.A. Ahmad, David Taniar, "Mobile. Multimedia.:" Business Data Communications and Networking: A Research Perspective, P.128 2006
26.	Ashraf MA Ahmad, Suh-Yin Lee, "A novel approach for improving the quality of service for wireless video transcoding" Journal of Mobile Multimedia 167-186, 2006
27.	Ashraf MA Ahmad, "A Novel Object Detection Technique in Compressed Domain" Book Computer Vision and Graphics 689-694 Springer, 2006
28.	Ashraf MA Ahmad, "Content-based video streaming approaches and challenges Handbook of Research on Mobile Multimedia, 357-367, 2006.
29.	Ashraf MA Ahmad, Bashar Ahmad "Content Based Architecture for Video Transcoding." MoMM, 159-168, 2005.

30.	Ashraf MA Ahmad, BMA Ahmad, SY Lee, "Fast and robust object detection framework in compressed domain" IEEE Sixth International Symposium on Multimedia Software Engineering, 210-217 2004
31.	Ashraf MA Ahmad, DY Chen, SY Lee, "Robust object detection using cascade filter in mpeg videos" IEEE Fifth International Symposium on Multimedia Software Engineering, 196-203 2003
32.	Ashraf MA Ahmad, DY Chen, SY Lee, Robust compressed domain object detection in MPEG videos Proc. Of the 7th IASTED International Conference Internet and Multimedia 2003