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AL-Balqa' Applied University, Al-Huson University College,
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ASHRAF ABDEL-KARIM ABU-EIN
Academic Rank: Associate Professor

HEAD OF ELECTRICAL ENGINEERING DEPARTMENT

Education

2004 – 2007   **National Technical University of Ukraine**   **Kiev, Ukraine**

Ph.D.
Doctor of Philosophy in Computer Engineering. "Computers, Computing Systems   and Networks".
Thesis Title: SYNTHESIS OF THE STRUCTURE OF GLOBAL COMPUTER NETWORKS WITH MPLS TECHNOLOGY.

2003 – 2004   **Kharkov National University of Radio & Electronics**   **Kharkov, Ukraine**
MSc.
Master of Science in Computer Engineering, Computer System & Networks.

1999 – 2003   **Kharkov National University of Radio & Electronics**   **Kharkov, Ukraine**
BSc.
BSc. Degree major in Computer Engineering.

Academic Experience

- **Feb 2018 – until now:** Associate Professor in the Electrical Engineering Department, Al-Huson University College, Irbid, Jordan.
- **Sep 2018 - Sep 2019:** Assistant Dean of career and technical education, , Al-Huson University College, Irbid, Jordan.
- **Sep 2014 - 2016:** Dean's Assistant for Student Affairs, Faculty of Engineering Technology, Al- Balqa' Applied University, Amman, Jordan.
- **Sep 2013- Sep 2014:** Head of Computer Engineering and computer networks Engineering Department, Faculty of Engineering Technology, Al-Balqa' Applied University, Amman, Jordan.
- **Sep 2008-2014:** Assistant Professor in the Computer Engineering Department, Faculty of

  Engineering Technology, Al-Balqa' Applied University, Amman, Jordan.
- **Feb 2008- Sep 2008:** Part time lecturer in the Computer Engineering Department, Faculty of

Engineering Technology, Al-Balqa' Applied University, Amman, Jordan.

- Courses Instructor in National Academy for System & Application (NASA) in ICDL, Cisco, Computer Maintenance.

- Courses Instructor in Jowharat Al.jama'at Group in Computer Maintenance, ICDL, Computer Networks, Programming languages.

Taught Courses

⇒ Programming languages (C, C++, and Visual basic).
⇒ Web Design (HTML, JAVA Script).
⇒ Computer Technology.

- ⇒ Data Structure
- ⇒ Software Engineering
- ⇒ Operating System.
- ⇒ Digital Logic Design.
- ⇒ Microprocessor and Assembly Language.
- ⇒ Data Communications.
- ⇒ Networks Protocols
- ⇒ Computer Networks 1.
- ⇒ Advance Computer Networks.
- ⇒ Networking Protocols.
- ⇒ Network Performance Analysis.
- ⇒ Information & Network Security
- ⇒ Digital Fundamentals.
- ⇒ Database.
- ⇒ Computer Networks Laboratory.
- ⇒ Data Communications Laboratory.
- ⇒ Digital Logic Design Laboratory.
- ⇒ Microprocessor and Assembly Language Laboratory.
- ⇒ Computer Maintenance.
- ⇒ Networking.
- ⇒ Give courses in (access, word, excel, power point, windows, maintenance, internet … etc.).

Publications

Journal Papers:

1. **Ashraf Abdel-Karim Abu-Ein: Number of processors needed for batcher-bitonic, radix and quick sorting networks methods**, Contemporary Engineering Sciences, ISSN 1313-6569, Vol. 5, 2012, no. 10, pp. 455 – 462 (The scientific research impact index is 0,193).

2. **Ashraf Abdel-Karim Helal Abu-Ein: Effects of Gain, Cost, and Number of Massages on Energy Efficiency Algorithm of Wireless Networking.** European Journal of Scientific Research. ISSN 1450-216X Vol.27 No.3, 2009, pp.426-430.

3. **Ashraf Abdel-Karim Helal Abu-Ein,** Igor Valerievich Zotov, and Hazem (Moh'd Said) Abdel Majid Hatamleh, Dmitriy Evgenievich Skopin: **Distributed Barrier Synchronization Procedure with the Dynamic Limitation of the Coordinating Signal Propagation Area.** International Review on Computers and Software (IRECOS). Vol.7, N.3, pp.991-995, May 2012 (impact factor = 6.14).

4. **Ashraf Abdel-Karim Abu-Ein,** Hazem (Moh'd said) Hatamleh, Ahmed A.M. Sharadqeh, As'ad Mahmoud Alnaser and Omar AlHeyasat: **E-commerce: Security and applications.** American Journal of Applied Sciences, Vol. 9, Issue 11, Pages 1868-1871, 2012 (IET- ISI Thomson Scientific).

5. **Ashraf Abdel-Karim Helal Abu-Ein,** Hazem (Moh'd said) Abdel Majid Hatamleh and Ahmed A.M. Sharadqeh: **Using Finite State Machine at the Testing of Network Protocols.** Australian Journal of Basic and Applied Sciences, Vol. 5, No.10, pp.956-960, 2011 (Thomson Reuters Journal Citation Report 2011).

6. **Ashraf Abdel-Karim Helal Abu-Ein,** Sayel M. Fayyad, Maen Al-Rashdan and Ghazi Al-Marahle**: Data-Base System of Tribological Coating Materials.** Contemporary Engineering Sciences, ISSN 1313-6569, Vol. 5, 2012, no. 7, pp. 315 – 324 (The scientific research impact index is 0,193).

7. Abdelwadood Mesleh, Jamil Al-Azzeh, Rushdi Abu Zneit, **Ashraf Abu-Ein: Detection of eyes using FCM,** International Review on Computers and Software (IRECOS), July 2012 (impact factor = 6.14), in press.

8. As'ad Mahmoud Alnaser, Omar AlHeyasat, **Ashraf Abdel-Karim Abu-Ein**, Hazem (Moh'd Said) Hatamleh, and Ahmed A. M. Sharadqeh: **Time Comparing between Java and C++ Software.** Journal of Software Engineering and Applications, 2012, Vol.5, No.8, pp. 630-633(impact factor = 0.83).

9. Omar Al-Heyasat, **Ashraf Abdel-Karim Abu-Ein**

10. Gahzi Al-Marahleh, Sayel Fayyad, Suleiman Abu-Ein, **Ashraf Abu-Ein**: **Virtual Digital Retarders System**. Computer Engineering and Intelligent Systems, ISSN 2222-1719 (Paper) ISSN 2222-2863 (Online), Vol. 3, No.7, pp.113-125, 2012 (The IC Impact factor value of this journal is 6.39).

11. **Ashraf Abdel-Karim Abu-Ein**, Ziad A. Alqadi and Hazem (Moh'd Said) Hatamleh: **Proposed ZAH_BAU filter for RGB color image enhancement.** International Journal of Computer Science Issues, Volume 14, Issue 1, pp.74-78, January 2017**,** ISSN (Print): 1694-0814 | ISSN (Online): 1694-0784

12. Jihad Nadir, **Ashraf Abu Ein** and Ziad Alqadi: **A Technique to Encrypt-decrypt Stereo Wave File.** International Journal of Computer and Information Technology (ISSN: 2279 – 0764), *Volume 05 – Issue 05,* pp.465-470*, September 2016.*

13. Saleh Khawatreh, Belal Ayyoub, **Ashraf Abu-Ein** and Ziad Alqadi: A **Novel Methodology to Extract Voice Signal Features.** International Journal of Computer Applications (0975 – 8887), *Volume 179 – Issue 09,* pp.40-43*, January 2018.*

14. Mohammed Ashraf Zoghoul, **Ashraf Abu-Ain**, Jihad Nader Abdeljalil**: Development of an Efficient Image Segmentation Algorithm via Splitting and Merging Techniques**. World of Computer Science and Information Technology Journal (WCSIT) ISSN: 2221-0741. *Vol. 6, No. 4, pp. 27-30, 2016*

15**.** Jihad Nadir, Ziad Alqadi and **Ashraf Abu Ein: Classification of Matrix Multiplication Methods Used to Encrypt-decrypt Color Image**. International Journal of Computer and Information Technology (ISSN: 2279 – 0764), Volume 05 – Issue 05, pp.459-464*,* September 2016.

16. **Ashraf Abu-Ein**, Ziad A. Alqadi and Jihad Nadir: **A Technique of Hiding Secrete Text in Wave File.** International Journal of Computer Applications (0975 – 8887), Volume 151 – No.4, pp.15-18, October 2016

17. Bilal Zahran, Ziad Alqadi, Jihad Nader and **Ashraf Abu Ein: A comparison between parallel and segmentation methods used for image encryption-decryption.** International Journal of Computer Science & Information Technology (IJCSIT) Vol 8, No 5, pp.125-131*,* October 2016

Conference Papers:

11. Tarik Abu-Ain, Siti Norul Huda Sheikh Abdullah, Bilal Bataineh, Khairuddin Omar and **Ashraf Abu-Ein: A Novel Baseline Detection Method of Handwritten Arabic-Script Documents Based on Sub-Words.** Soft Computing Applications and Intelligent Systems Communications in Computer and Information Science, Springer Berlin Heidelberg, Volume 378, 2013, pp 67-77.

12. Olexandr Pospishniy, Sergii Stirenko, Ashraf **Abdel-Karim Helal Abu-Ein: Using Semantic Technologies to Improve Grid Resource Management**. In the Proceedings of the 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, 15-17 September 2011, Prague, Czech Republic, pp.229 – 232.

13. **Ashraf Abdel-Karim Abu-Ein: Comparing Simulation Softwares Used in Heat Transfer and Fluid Mechanics Problems Analysis.** In the proceeding of the International Conference on Computer Science, Engineering & Technology (ICCSET 2012) – 7 -8 June, 2012. Zurich, Switzerland, pp.78 – 81

| **Research Area** | Image processing, and computer graphics, digital image processing and Computer Networks. |

Certificates	Certified Cisco Instructors from Princess Sumaya University Cisco Networking Academy
Consultation	Consultant for undergraduate senior level computer engineering students
Professional Memberships	⊕ Jordan Engineers Association (JEA), Jordan
	⊕ Member of Editorial Board International Journal of Advanced Science and Engineering Technology
Special Skills	Programming Languages (C++, JAVA Script, Visual Basic, MATLAB)
	Application Software (MS Office software components; Spreadsheet & Graphic Application) Operating System (OS X, Windows)
Languages	Arabic
	English
	Russian
Personal	*Married and a father of five kids*