Mua'ad Majed Abu-Faraj

Associate Professor of Computer Engineering
DEPARTMENT OF COMPUTER INFORMATION SYSTEMS
SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS
THE UNIVERSITY OF JORDAN

Personal Details

DATE OF BIRTH:	April 28, 1982
PLACE OF BIRTH:	Dhahran - Saudi Arabia
NATIONALITY:	Jordanian
MARITAL STATUS:	Married, two children

Contact Information

ADDRESS: P.O. Box 2595
Department of Computer Information Systems
School of Information Technology and Systems
The University of Jordan
Aqaba 77110, Jordan

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R^G: https://researchgate.net/profile/Muaad_Abu-Faraj
g: https://scholar.google.com/citations?user=CxLts_sAAAAJ&hl=en
Scopus: https://www.scopus.com/authid/detail.uri?authorId=55546268000
P: https://publons.com/researcher/4850454/muaad-majed-abu-faraj/

Education

MAY 2012	**Ph.D.** in **Computer Science and Engineering** **University of Connecticut**, Storrs, Connecticut, U.S.A. Thesis: "Architectural Considerations for a Shared Out-Of-Core Dynamically Reconfigurable Fabrics" Advisor: Prof. Ian GREENSHIELDS
MAY 2012	**M.Sc.** in **Computer Science and Engineering** **University of Connecticut**, Storrs, Connecticut, U.S.A.
SEPTEMBER 2005	**M.Sc.** in **Computer and Network Engineering** **Sheffield Hallam University**, Sheffield, U.K. Thesis: "An Analysis of the Effect of Contention-Window and Arbitration Inter-Frame Space on the Performance of Wireless AD-Hoc Network" Advisor: Prof. Reza SAATCHI
SEPTEMBER 2004	**B.Eng.** in **Computer Engineering** **Mu'tah University**, Mu'tah, Jordan
AUGUST 2000	**General Secondary Education Certificate, Scientific Branch** **Aqaba Secondary School**, Aqaba, Jordan.

Academic Experience

CURRENT DECEMBER 2018	**Associate Professor** DEPARTMENT OF COMPUTER INFORMATION SYSTEMS SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN

DECEMBER 2018 FEBRUARY 2014	**Assistant Professor** DEPARTMENT OF COMPUTER INFORMATION SYSTEMS SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
FEBRUARY 2014 JANUARY 2013	**Lecturer** DEPARTMENT OF COMPUTER INFORMATION SYSTEMS SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
JANUARY 2013 SEPTEMBER 2012	**Part-time Lecturer** DEPARTMENT OF COMPUTER INFORMATION SYSTEMS SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
MAY 2012 AUGUST 2008	**Teaching Assistant** DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHOOL OF ENGINEERING UNIVERSITY OF CONNECTICUT
MAY 2008 AUGUST 2006	**Teaching Assistant** DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING SCHOOL OF ENGINEERING UNIVERSITY OF SHEFFIELD

ADMINISTRATIVE EXPERIENCE

CURRENT OCTOBER 2022	**Assistant to the President** THE UNIVERSITY OF JORDAN
CURRENT SEPTEMBER 2019	**Acting Dean** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
JUNE 2022 JUNE 2018	**Member of Board of Trustees** GERMAN JORDANIAN UNIVERSITY
OCTOBER 2021 SEPTEMBER 2019	**Registrar General** THE UNIVERSITY OF JORDAN
SEPTEMBER 2017 MARCH 2015	**Director** INFORMATION TECHNOLOGY CENTER THE UNIVERSITY OF JORDAN
AUGUST 2014 AUGUST 2013	**Dean's Assistant** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
AUGUST 2014 AUGUST 2013	**Director of Quality Assurance and Development Affairs** THE UNIVERSITY OF JORDAN

UNIVERSITY COMMITTEES

CURRENT OCTOBER 2022	**Coordinator of Students Academic Affairs Committee** THE UNIVERSITY OF JORDAN
SEPTEMBER 2022 SEPTEMBER 2019	**Member of Students Academic Affairs Committee** THE UNIVERSITY OF JORDAN
JULY 2022	**Member of Recruitment Committee** THE UNIVERSITY OF JORDAN

JANUARY 2022	**Member of Programs Establishment Committee in the University of Jordan** THE UNIVERSITY OF JORDAN
SEPTEMBER 2021 APRIL 2021	**Member of Online/Blended Learning Committee** THE UNIVERSITY OF JORDAN
OCTOBER 2021 OCTOBER 2020	**Member of the Investment Fund Committee** GERMAN JORDANIAN UNIVERSITY
APRIL 2021	**Member of Universities Accreditation Committee** ACCREDITATION AND QUALITY ASSURANCE COMMISSION FOR HIGHER EDUCATION INSTITUTIONS
AUGUST 2020 JUNE 2020	**Coordinator of Distance Learning Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
SEPTEMBER 2020 SEPTEMBER 2019	**Coordinator of the University's Website Development Committee** THE UNIVERSITY OF JORDAN
SEPTEMBER 2020 SEPTEMBER 2019	**Coordinator of the Postgraduate Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
SEPTEMBER 2020 SEPTEMBER 2019	**Member of the University of Jordan at Aqaba Development Committee** THE UNIVERSITY OF JORDAN
JANUARY 2020	**Member of the University of Jordan at Aqaba Strategic Planning Committee** THE UNIVERSITY OF JORDAN
DECEMBER 2019, OCTOBER 2016, NOVEMBER 2013	**Coordinator of Employee Discipline Committee** THE UNIVERSITY OF JORDAN
JUNE 2019, FEBRUARY 2018, APRIL 2013	**Member of Employee Discipline Committee** THE UNIVERSITY OF JORDAN
SEPTEMBER 2019 APRIL 2019	**Member of the Postgraduate Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
SEPTEMBER 2019 SEPTEMBER 2017	**Coordinator of Academic Plans and Curriculum Equivalency Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
SEPTEMBER 2019 SEPTEMBER 2017	**Coordinator of Local Society and Graduates Communication Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
SEPTEMBER 2018	**Member of Social Affairs Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
SEPTEMBER 2018	**Member of Scientific Research Committee** THE UNIVERSITY OF JORDAN
SEPTEMBER 2017	**Member of the Committee to Establish Software Engineering Department** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS THE UNIVERSITY OF JORDAN
MARCH 2017	**Coordinator of Students Election Committee** SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS

	THE UNIVERSITY OF JORDAN
NOVEMBER 2016	**Coordinator of ABET Committee**
	SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS
	THE UNIVERSITY OF JORDAN
AUGUST 2017	**Member of Students Discipline Committee**
SEPTEMBER 2016	THE UNIVERSITY OF JORDAN
OCTOBER 2014,	**Member of Recruitment Committee**
FEBRUARY 2014	THE UNIVERSITY OF JORDAN
SEPTEMBER 2014	**Member of the University's Website Administration Committee**
	THE UNIVERSITY OF JORDAN
SEPTEMBER 2017	**Member of School Council**
AUGUST 2013	SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS
	THE UNIVERSITY OF JORDAN
MARCH 2014	**Member of Students Election Committee**
	SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS
	THE UNIVERSITY OF JORDAN
DECEMBER 2013	**Coordinator of Academic Plans Committee**
	SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS
	THE UNIVERSITY OF JORDAN
AUGUST 2013	**Member of Students Discipline Committee**
FEBRUARY 2013	SCHOOL OF INFORMATION TECHNOLOGY AND SYSTEMS
	THE UNIVERSITY OF JORDAN

RESEARCH EXPERIENCE

MAY 2012	**Research Assistant**
AUGUST 2008	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
	SCHOOL OF ENGINEERING
	UNIVERSITY OF CONNECTICUT
JANUARY 2010	**Research Assistant**
AUGUST 2008	DAPCO INDUSTRIES. INC.,
MAY 2008	**Research Assistant**
SEPTEMBER 2006	DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING
	SCHOOL OF ENGINEERING
	UNIVERSITY OF SHEFFIELD

PUBLICATIONS

Theses

1. **M. Abu-Faraj**. Architectural Considerations for a Shared Out-Of-Core Dynamically Reconfigurable Fabric. Ph.D. thesis, University of Connecticut, 2012.

2. **M. Abu-Faraj**. An Analysis of the Effect of Contention-Window and Arbitration Inter-Frame Space on the Performance of Wireless AD-Hoc Network. M.Sc. thesis, Sheffield Hallam University, 2005.

Papers in Refereed Journals

3. **M. Abu-Faraj**, A. Al-Hyari, B. Al-Ahmad, Z. Alqadi, and B. Ali, "Improving the Efficiency of Median Filters Using Two Rounds of Generated Windows Processing," *Applied Mathematics & Information Sciences (AMIS)*, vol. 17, no. 1, pp. -, 2022, doi:10.22937/IJCSNS.2021.21.12.8. (Scopus Indexed) (Accepted, to be published)

4. **M. Abu-Faraj**, A. Al-Hyari, B. Al-Ahmad, Z. Alqadi, B. Ali, and A.Alhaj, "Building a Secure Image Cryptography System using Parallel Processing and Complicated Dynamic Length Pri-

vate Key," *Applied Mathematics & Information Sciences (AMIS)*, vol. 16, no. 6, pp. -, 2022, doi:10.22937/IJCSNS.2021.21.12.8. (Scopus Indexed)

5. **M. Abu-Faraj**, Z. Alqadi, B. Al-Ahmad, K. Aldebei, and B. Ali, "A Novel Approach to Extract Color Image Features using Image Thinning," *Applied Mathematics & Information Sciences (AMIS)*, vol.16, no. 5, pp. 665-672, 2022, doi:10.18576/amis/160501. (Scopus Indexed)

6. **M. Abu-Faraj**, Z. Alqadi, and M. Zubi, "Creating Color Image Features Based on Morphology Image Processing," *Traitement du Signal*, vol. 39, no. 3, pp. 797-803, 2022, doi:10.18280/ts.390304. (Web of Science Indexed, Scopus Indexed)

7. **M. Abu-Faraj**, A. Al-Hyari, K. Aldebei, B. Al-Ahmad, and Z. Alqadi, "Rotation Left Digits to Enhance the Security Level of Message Blocks Cryptography," *IEEE Access*, vol. 10, pp. 69388-69397, 2022, doi:10.1109/ACCESS.2022.3187317. (Web of Science Indexed, Scopus Indexed)

8. **M. Abu-Faraj**, A. Al-Hyari, and Z. Alqadi, "Experimental Analysis of Methods Used to Solve Linear Regression Models," *CMC-Computers, Materials & Continua*, vol. 72, no. 3, pp. 5699-5712, 2022, doi:10.32604/cmc.2022.027364. (Web of Science Indexed, Scopus Indexed)

9. **M. Abu-Faraj**, and Z. Alqadi, "Image Encryption using Variable Length Blocks and Variable Length Private Key," *International Journal of Computer Science and Mobile Computing (IJCSMC)*, vol. 11, Iss. 3, pp. 138-151, 2022, doi:10.47760/ijcsmc.2022.v11i03.016.

10. **M. Abu-Faraj**, A. Al-Hyari, and Z. Alqadi, "A Dual Approach for Audio Cryptography," *Journal of Southwest Jiaotong University*, vol. 57, no. 1, pp. 24-33, 2022, doi:10.35741/issn.0258-2724.57.1.3. (Scopus Indexed)

11. **M. Abu-Faraj**, A. Al-Hyari, and Z. Alqadi, "Complex Matrix Private Key to Enhance the Security Level of Image Cryptography," *Symmetry*, vol. 14, Iss. 4, pp. 664-678, 2022, doi:10.3390/sym0664. (Web of Science Indexed, Scopus Indexed)

12. **M. Abu-Faraj**, K. Aldebei, and Z. Alqadi, "Simple, Efficient, Highly Secure, and Multiple Purposed Method on Data Cryptography," *Traitement du Signal*, vol. 39, no. 1, pp. 173-178, 2022, doi:10.18280/ts.390117. (Web of Science Indexed, Scopus Indexed)

13. **M. Abu-Faraj**, Khaled Aldebe, and Z. Alqadi, "Deep Machine Learning to Enhance ANN Performance: Fingerprint Classifier Case Study," *Journal of Southwest Jiaotong University*, vol. 56, no. 6, pp. 685-694, 2021, doi:10.35741/issn.0258-2724.56.6.61. (Scopus Indexed)

14. **M. Abu-Faraj**, Z. Alqadi, and K. Aldebei, "Comparative Analysis of Fingerprint Features Extraction Methods," *Journal of Hunan University Natural Sciences*, vol. 48, iss. 12, pp. 177-182, 2021. (Scopus Indexed)

15. **M. Abu-Faraj**, and Z. Alqadi, "Rounds Reduction and Blocks Controlling to Enhance the Performance of Standard Method of Data Cryptography," *International Journal of Computer Science and Network Security (IJCSNS)*, vol. 21, no. 12, pp. 648-656, 2021, doi: 10.22937/IJCSNS.2021.21.12.89. (Web of Science Indexed)

16. **M. Abu-Faraj**, and Z. Alqadi, "Improving the Efficiency and Scalability of Standard Methods for Data Cryptography," *International Journal of Computer Science and Network Security (IJCSNS)*, vol. 21, no.12 , pp. 451-458, 2021, doi:10.22937/IJCSNS.2021.21.12.61. (Web of Science Indexed)

17. **M. Abu-Faraj**, and Z. Alqadi, "Using Highly Secure Data Encryption Method for Text File Cryptography," *International Journal of Computer Science and Network Security (IJCSNS)*, vol. 21, no.12 , pp. 53-60, 2021, doi:10.22937/IJCSNS.2021.21.12.8. (Web of Science Indexed)

18. **M. Abu-Faraj**, and M. Zubi, "Analysis and Implementation of Kidney Stones Detection by Applying Segmentation Techniques on Computerized Tomography Scans," *Italian Journal of Pure and Applied Mathematics*, iss. 43, pp. 590-602, 2020. (Scopus Indexed)

19. **M. Abu-Faraj**, "A Survey on Software Quality Assurance," *Journal of Engineering and Applied Sciences*, vol. 14, iss. 15 , pp. 5111-5122, 2019, doi:10.36478/jeasci.2019.5111.51220. (Scopus Indexed)

20. **M. Abu-Faraj**, K. Al-Sarayreh, and K. Meridji, "A Model Combining Apriori and Posteriori Contexts to Estimate the Costs of a Software Project," *Journal of Engineering and Applied Sciences*, vol. 14, iss. 11, pp. 3643-3650, 2019, doi:10.36478/jeasci.2019.3643.3650. (Scopus Indexed)

21. N. Ghatasheh, I. Al-taharwa, B. Al-Ahmad, and **M. Abu-Faraj**, "Dead Sea Starvation: Towards Enhanced Monitoring of Water Resources by Modeling Meteorological Variables and Remote

Sensing," *Journal of Software Engineering and Applications*, vol. 9, no. 12, pp. 588-600, 2016, doi:10.4236/jsea.2016.912040.

22. H. Faris, N. Ghatasheh, A. Rodan, and **M. Abu-Faraj**, "Predicting Surface Ozone Concentrations Using Support Vector Regression," *Life Science Journal*, vol. 11, no. 6 , pp.126-131, 2014, doi:10.7537/marslsj110614.18. (Web of Science Indexed)

23. S. Alian, N. Ghatasheh, and **M. Abu-Faraj**, "Multi-Agent Swarm Spreading Approach in Unknown Environments," *International Journal of Computer Science Issues (IJCSI)*, vol. 11, iss. 6, no. 2, pp. 160-168, 2014.

24. **M. Abu-Faraj**, N. Ghatasheh, H. Faris, and O. Harfoushi, "Evaluation of Spatial Image Processing Approaches for Calculating Water Surface Area: Case of the Dead Sea," *Life Science Journal*, vol.11, no. 4, pp. 114-121, 2014, doi:10.7537/marslsj110414.15. (Web of Science Indexed)

25. O. Harfoushi, B. Alfawwaz, N. Ghatasheh, R. Obiedat, **M. Abu-Faraj**, and H. Faris,"Data Security Issues and Challenges in Cloud Computing: A Conceptual Analysis and Review," *Communications and Network*, vol. 6, no. 1, pp. 15-21, 2014, doi:10.4236/cn.2014.61003 . (Scopus Indexed)

26. N. Ghatasheh, **M. Abu-Faraj**, and H. Faris,"Dead Sea Water Level and Surface Area Monitoring Using Spatial Data Extraction from Remote Sensing Images," *International Review on Computers and Software (IRECOS)*, vol. 8, no. 12, pp. 2892-2897, 2013.

27. N. Ghatasheh, A. Najdawi, **M. Abu-Faraj**, and H. Faris, "Corporate e-Learning Environment using Concept Maps: A Case Study," *International Review on Computers and Software (IRECOS)*, vol. 8, no. 11, pp. 2655 -2662, 2013.

28. **M. Abu-Faraj**, "Design Considerations of a Large Granule Dynamic Reconfigurable Fabric," *International Journal of Computer and Communications*, vol. 7, iss. 3, pp. 116-123, 2013. (Scopus Indexed)

29. **M. Abu-Faraj**, "Performance Metrics of a Reconfigurable Fabric," *International Journal of Computer Science Issues (IJCSI)*, vol. 10, iss. 6, no. 2, pp. 222-226, 2013. (Scopus Indexed)

30. **M. Abu-Faraj** and N. Ghatasheh, "Using Image Processing Functions to Determine the Edges of the Dead Sea and Calculate the Declining Rate," *International Journal of Computer Science Issues (IJCSI)*, vol.10, iss. 6, no. 2, pp. 97-101, 2013. (Scopus Indexed)

Book Chapters

31. **M. Abu-Faraj**, R. Masa'deh, and M. Alshurideh, "E-Government Implementation: A Case Study of Jordanian e-Government Program," in The Effect of Information Technology on Business and Marketing Intelligence Systems, Edition, Vol., M. Alshurideh, Ed. Switzerland:Springer Cham, 2023, pp. inclusive page numbers.

Refereed Conference Proceedings

32. A. Al-Hyari, and **M. Abu-Faraj** and , "Design space exploration of Convolutional Neural Networks based on Evolutionary Algorithms," *in proc. International Conference on Emerging Trends in Computing and Engineering Applications (ETCEA2022)*, Mutah, Jordan, 2022., pp. 202-207.

33. **M. Abu-Faraj**, and I. Greenshields, "Partition Models for a Shared Dynamically Reconfigurable Fabric," *in proc. ISCA 27th International Conference on Computers and Their Applications (CATA-2012)*, Las Vegas, Nevada, U.S.A., 2012, pp. 202-207.

34. **M. Abu-Faraj**, "A Multi-Core Processors Sharing A Predictive Dynamically Reconfigurable Fabric," *in proc. ISCA 26th International Conference on Computers and Their Applications (CATA-2011)*, New Orleans, Louisiana, U.S.A., 2011, pp. 117-126.

35. **M. Abu-Faraj**, and I. Greenshields, "Architectural Considerations for an Out-Of-Core Dynamically Reconfigurable Fabric," *in proc. ISCA 1st International Conference on Advanced Computing and Communications (ACC-2010)*, Orlando, Florida, U.S.A., 2010, pp. 52-57.

36. **M. Abu-Faraj**, and I. Greenshields, "A Predictive Dynamically Reconfigurable Architecture," *in proc. of 19th Annual Symposium: Micro and Nano Technologies for Electronics and Photonics*, Storrs, Connecticut, U.S.A., 2010, pp. 226-235.

Publications Reviews

Served as Editorial Board Member for Computer Science and Technology: Current Trends.
Served as Editorial Board Member for Engineering Current Trends.
Served as Reviewer for the following International Journals:

- IEEE Access
- IEEE Micro
- IEEE Transactions on Computers
- PLOS ONE
- Traitement du Signal
- Journal of Supercomputing
- International Journal of Computers and Their Applications (IJCA)
- International Journal of Computer Science Issues (IJCSI)
- International Journal of Computer and Communication
- International Review on Computers and Software (IRECOS)
- Journal of Computer Science
- The International Arab Journal of Information Technology (IAJIT)

Served as Program Committee Member/Reviewer for the following International Conferences:

- The International Conference on Emerging Trends in Computing and Engineering Applications (ETCEA2022), Mutah, Jordan, November 22-23, 2022.
- ISCA 29th International Conference on Computer Applications in Industry and Engineering (CAINE 2016), Denver, USA, U.S.A., September 26-29, 2016.
- ISCA 28th International Conference on Computer Applications in Industry and Engineering (CAINE 2015), San Diego, California, U.S.A., October 12-14, 2015.
- ISCA 27th International Conference on Computer Applications in Industry and Engineering (CAINE-2014), New Orleans, U.S.A., October 13-15, 2014.
- ISCA 3rd International Conference on Advanced Computing and Communications (ACC-2013), Los Angeles, U.S.A., September 25-27, 2013.
- ISCA 26th International Conference on Computer Applications in Industry and Engineering (CAINE-2013), Los Angeles, U.S.A., September 25-27, 2013.
- The 24th IEEE International Conference on Application-specific Systems, Architectures and Processors (ASAP-2013), Washington D.C., U.S.A., June 6-8, 2013.
- ISCA 1st International Conference on Advanced Computing and Communications (ACC-2010), Orlando, U.S.A., September 15-17, 2010.

External Examinerships

- External M.Sc. Dissertation Examiner, Mutah University.
  Thesis title: Studying Community Detection Problem using Data Mining Techniques.
  Student: Yousif Masood. Date of defense: June 2022.

- External M.Sc. Dissertation Examiner, Mutah University.
  Thesis title: The Effect of Feature Selection on Diabetes Prediction using Data Mining.
  Student: Dhuhai AL-Mashhadany. Date of defense: June 2022.

Grants

2010	**Real-Time Ultrasonic Testing of Rail Tracks**
2008	Grant PI: Prof. Reda Ammar, and Prof. Ian Greenshields
	Dapco Industries, Inc.
	Period of Grant: Two Years
	Role on Project: Research Assistant

COURSES TAUGHT

University of Sheffield	DIGITAL LOGIC INTRODUCTION TO DIGITAL SIGNAL PROCESSING SYSTEM ARCHITECTURE DESIGN (MASTER LEVEL) ADVANCED COMPUTER ARCHITECTURES (MASTER LEVEL)
University of Connecticut	DIGITAL LOGIC DESIGN INTRODUCTION TO COMPUTER ARCHITECTURE COMPUTER ORGANIZATION AND ARCHITECTURE (MASTER LEVEL) PROGRAMMING LANGUAGE TRANSLATION (MASTER LEVEL)
The University of Jordan	REMEDIAL COMPUTER SKILLS Computer Skills for Humanities Schools COMPUTER SKILLS FOR SCIENTIFIC SCHOOLS (C++) THE CAMPUS LIFE AND ETHICS BASICS OF COMPUTING ADVANCED PROGRAMMING DIGITAL LOGIC FUNDAMENTALS OF INFORMATION TECHNOLOGY MANAGEMENT INFORMATION SYSTEMS ELECTRONIC BUSINESS (E-BUSINESS) ELECTRONIC GOVERNMENT (E-GOVERNMENT) INFORMATION RESOURCES MANAGEMENT COMPUTER ETHICS SOCIAL MEDIA APPLICATIONS OF INFORMATION SYSTEMS GEOGRAPHIC INFORMATION SYSTEMS (GIS) MULTIMEDIA OPERATING SYSTEMS COMPUTER NETWORKS SOFTWARE ENGINEERING COMPUTER ORGANIZATION SPECIAL TOPICS OPERATING SYSTEMS (MASTER LEVEL) TRAINING SUPERVISED 18 GRADUATION PROJECTS

VOLUNTEER TRAINING COURSES

- **Wriring Research Papers Using LaTeX**.
  Accreditation and Quality Assurance Center, The University of Jordan.

- **Business Intelligence**.
  Injaz Program.

- **Genome Database: Use and its Applications in Medical Diagnosis and Biological Research**.
  Princess Haya Biotechnology Centre, Jordan University of Science and Technology.

- **Network and Computer Security**.
  Petra Development and Tourism Region Authority.

- **Hardware and System Technology**.
  Petra Development and Tourism Region Authority.

- **Professional Awareness Campaign**.
  Injaz Program.

TECHNICAL WORKSHOPS

JANUARY 2021	Preparing the executive plan at the University of Jordan. The University of Jordan, Aqaba, Jordan.
DECEMBER 2020	Preparing the strategic plan at the University of Jordan. The University of Jordan, Aqaba, Jordan.

DECEMBER 2020 | National Accreditation Standard. The University of Jordan, Aqaba, Jordan.

MARCH 2018 | Moodle Training Course. The University of Jordan, Aqaba, Jordan.

OCTOBER 2016 | 36th GITEX Technology Week. Dubai, U.A.E.

PROFESSIONAL AFFILIATIONS

- Member of IEEE (Institute of Electrical and Electronics Engineers).
- Member of IEEE Computer Society.
- Member of A.C.M. (Association of Computing Machinery).
- Member of ACM SIGARCH (A.C.M. Special Interest Group on Computer Architecture).
- Member of ISCA (International Society for Computers and their Applications).
- Member of J.E.A. (Jordan Engineers Association).
- Member of the Internet Society.
- Member of JOSA (Jordan Open Source Association).
- Member of J.C.S. (Jordan Computer Society).
- Member of IAENG (International Association of Engineers).

PROFESSIONAL COURSES

- Managing E-Learning Courses on Moodle Platform.
- Blended Learning: Forms and Applications.
- Plagiarism Detection Workshop.
- Security and Confidentiality of the Data and Information.
- Staff Development Workshops (The University of Jordan).
    - Modern Trends in University Teaching.
    - Exams Preparation and learner's Assessment.
    - Academic Ethics.
    - Laws, Bylaws, and Regulations of the University of Jordan.
    - Designing Study Plans.
    - Effective University Teaching Skills.
- Certified Information Systems Security Professional (CISSP)
- Cisco Certified Network Associate (CCNA).
- Microsoft Certified Systems Engineer (MCSE).
- A+ Certification.

HONORS AND AWARDS

2021 | **Erasmus+ International Credit Mobility (ICM) for Teaching Staff**
Department of Computer Engineering
School of Engineering
ONDOKUZ MAYIS UNIVERSITY

2019 | **Erasmus+ International Credit Mobility (ICM) for Teaching Staff**
Department of Computer Engineering
School of Engineering
ATATURK UNIVERSITY

2012 | **Predoctoral Scholarship (Full tuition waiver)**
2008 | DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHOOL OF ENGINEERING
UNIVERSITY OF CONNECTICUT

2010	**Best Research Poster Award (CMOS, 2010)**
	19th Annual Symposium: Micro & Nano Technologies for Electronics & Photonics
	UNIVERSITY OF CONNECTICUT

2010	**Dapco Research Scholarship**
2008	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
	SCHOOL OF ENGINEERING
	UNIVERSITY OF CONNECTICUT

2005	**Excellent Graduate Student Scholarship (Half tuition waiver)**
2004	SHEFFIELD HALLAM UNIVERSITY

COMPUTER PROFICIENCY

Operating Systems:	Mac OS, LINUX, and Windows
Learning Management Systems:	Blackboard, and Moodle
Languages and Interfaces:	C, C++, LaTeX, Python, MPI, VHDL, and Verilog
Simulation Tools:	Matlab, SPIM, I.S.E., ModelSim, Simulink, LogicWorks, and Logisim
Embedded Processors:	Intel, Microchip, and Infineon.

LANGUAGES

ARABIC:	Mothertongue
ENGLISH:	(Fluent in speaking, reading, and writing)

REFERENCE

PROF. ADEL TWEISSI	Professor of Linguistics
	Ex-Minister of Higher Education and Scientific Research
	☎: (+962) 65347671
	✉: adel.tweissi@gmail.com

PROF. THAFER Y. ASSARAIRA	Professor of English and American Literature
	President of Accreditation and Quality Assurance Commission for Higher Education Institutions
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	✉: tsaraira@mutah.edu.jo

PROF. REDA AMMAR	Professor of Computer Engineering
	Department of Computer Science and Engineering
	University of Connecticut
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PROF. IAN GREENSHIELDS	Professor of Computer Science
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	University of Connecticut
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