

Mokhled Suleiman Al-Tarawneh

Professor of Computer Engineering

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PERSONAL DATA

Place of Birth:	Karak, JORDAN
Nationality:	Jordanian
Marital Status:	Married
Number of Children:	Five

ACADEMIC/PROFESSIONAL PARTICULARS

(a) Field of Specialization:

Major Field of Specialization: Computer Engineering.

Fine Field Specialization : Image Processing and Biometrics.

(b) Academic Qualifications

- B.Sc. Computer Engineering, 1990, AZtech University, Azerbadjan, Microcomputers, Excellent.
- M. Eng. Computer Engineering, 2001, Ryukuys University, Japan, A study on Distributed computing systems, Excellent.
- PhD Computer Engineering, 2008, Newcastle University, UK, FINGERPRINT IMAGE PROCESSING FOR GENERATING BIOMETRIC CRYPTOGRAPHIC KEY.

(c) Academic Honors and Awards

- Jordanian Ministry of Higher Education, AZtech University, Azerbadjan, 1984.
- Monbukagakusho Scholarship, Ryukuys University, Japan, 1999.
- Mutah University Scholarship, Newcastle University, UK, 2005.

(d) Membership of Professional Bodies

- Jrodan Engineers Association, Full Membership. 1990-up to date
- Arab Computer Society, Full Membership, 2008
- International Engineers Association, Full Membership, 2007

(e) Language Proficiency

- Arabic speaking fullent, Reading Fullent, Writing Fullent
- English speaking fullent, Reading Fullent, Writing Fullent
- Russian speaking Very Good, Reading Fullent, Writing Fullent

CAREER DETAILS

(a) Academic Positions Held

- Professor, Computer Eng., Faculty of Engineering, Mutah University, 2019-Up to Now
- Associate Professor, Computer Eng., Faculty of Engineering, Mutah University, 2013-2019
- Assistant Professor, Computer Eng., Faculty of Engineering, Mutah University, 2008- 2013
- Lecturer, Computer Engineering, Faculty of Engineering, Mutah University, 2001- 2005

(b) Administrative Positions Held

- 01/09/2020- Up to Now; Chairman of the Procurement and Bidding Committee.

- Mutah University, Jordan
- 01/09/2016- 01/09/2017; Assistant dean for students and quality assurance, Computer Eng. Dept.Chairman, Mutah University, Jordan.
- Responsibilities:
 - Developing and implementing long- and short-term goals and plans for achieving the faculty's mission, including appropriate organizational, resourcel, and staffing strategies.
 - Provide leadership, support, innovation, commitment, and passion for the development, implementation and coordination of all student affairs.
 - Build relationships with students, monitor their progress, and refer to appropriate services to ensure appropriate progress.
 - Preparing a report about the quality assurance and accreditation progress in the faculty.
 - Reinforcing the perception of quality assurance and spreading it at the faculty's level.
 - Pursuing the achievement of the requirements of academic accreditation by the faculty's programs.
 - Carrying out the duties assigned by the Dean or the Faculty's Council.
- 2015-2016; Consultant , University Vice Presidency of Academic Affairs, Tabuk university. Saudia Arabia.
- Responsibilities:
 - IT consultation.
 - Admission and Registration consultation.
 - Student Affairs consultation.
- 2013-2015; Admission and Registration Unit Director, Mutah University.
- Responsibilities:
 - Provide leadership, support, innovation, commitment, and passion for the development, implementation and coordination of Unit systems.
 - Preparing a report about the quality assurance admission unit.
 - supervise the development and update of system and software modernization to achieve accuracy, and precision in all fields related to admission and registration.
 - Supervising the operations of the unit.
 - Raising the efficiency level of the department's employees.
- 2010-2013; Computer Center Director, Mutah university.
- Responsibilities:
 - Develop and maintain computer systems in Mutah University.
 - Setting up strategy for the computer center.
 - Responsible for direction, management, operation, and budget for the MUCC including network, security, applications, policies, services, and training, library, communication.
 - Design and implementation of a state of the art infrastructure.
 - Evaluate and deploy emerging technologies.
 - Supervising the implementation of the various management information systems including student information system, inventory and supplies, operation and maintenance, human resources, and others.
 - Design and supervise the implementation of the new web site and the University portal.
 - Recruiting technical staff.

TEACHING

(a) Summary of Courses Taught

Course Code,	Course Name,	Number of Times Taught,	Evaluation
0405443	Software Engineering	4	Excellent
0405522	Distributed Systems	6	Excellent
0405541	Multimedia Systems	5	Excellent
0405531	Real Time Systems	10	Excellent
0405430	Simulation and Modelling	3	V. Good
0403302	Engineering Economy	2	V.Good
0404200	Communication Skills	3	Excellent
0405537	Computer Security	5	Excellent
0405422	Computer Networks	4	Excellent
0405423	Advance Protocols	3	Excellent
0405564	Digital Image Processing	8	Excellent

0405701	Cloud Computing Architecture	3	Master Course
0405711	IoT	3	Master Course
0405732	Cyber Systems Security		M
0405733	Cyber Engineering and Risk Management		M

(b) Research Students Supervised/Trained

Trained Level	Number of Trainees
Master Students	3
Undergraduate Students	15

(d) Participation in Thesis and Oral Examination Committees

Level	Number of Examinations
Master Students	10

(c) Training

- 1 - PC Maintenance , **International Computer Center Studies (ICS) Jordan**
- 2 - Operation and maintenance Of FileNet Systems, **BayaNat/ Jordan.**
- 3 - Internet Administration, **STS/ Jordan.**
- 4 - Introduction to UNIX, **STS/ Jordan.**
- 5 - UNIX System Administration, **CCS/ Jordan.**
- 6 - Introduction to ATM LAN Emulation ASX Operation and Configuration, **CCS/ Jordan.**
- 7 - TCP/IP Networking, **CCS/ Jordan.**
- 8 - Introduction to Oracle SQL, **CCS /Jordan.**
- 9 - Oracle Procedural Language PL/SQL, **CCS/ Jordan.**
- 10 - Data Processing Division Manager, **JICA/Japan.**
- 11 - Intelligent Network/ **Jordan University- Amman.**
- 12 – Engineering Inovation/ **Jordan Engineers Association- Amman**
- 13- TOT, **Bussiness Development Center- Karak**
- 14- Cyber Security/ **Jordan Engineers Association- Amman**
- 15- Fostering Competitiveness of Engineering Sector through Global Accerditaition/ **JEA- Amman**
- 16- Quality Evaluator of Higher Education/ **Accreditation and Quality Assurance Commission- Amman**

(d) Online Training

- 1- PROJECT MANAGEMENT FOR LIFE, EDDAK, provided by PMI Jordan Chapter (PMIJO).
- 2-PRODUCT MANAGEMENT, provided by EDDRAK.
- 3-COMMUNICATIONS SKILLS, provided by EDDRAK.
- 4- GOAL SETTING & SELF-MANAGEMENT SKILLS, provided by EDDRAK.
- 5-INNOVATION IN THE GOVERNMENT, provided by Mohammad Bin Rashid Center for Government Innovation.
- 6-SCIENTIFIC RESEARCH METHODS, provided by Amman Arab University.
- 7-REMEDIAL MATH AND LIFE, provided by Al-Quds Open University.
- 8- EFFECTIVE THINKING THROUGH MATHEMATICS, provided by edX.
- 9-SIX STEPS TO SUCCESS, provided by American University of Beirut.
- 10-PROBLEM SOLVING & DECISION MAKING SKILLS, provided by EDDRAK.
- 11-ESSENTIAL CAREER DEVELOPMENT SKILLS, provided by BAYT.
- 12- INTERVIEWING SKILLS, provided by BAYT.
- 13- CV **WRITING**, provided by BAYT.
- 14-INFORMATION DESIGN BASICS, provided by EDDRAK.
- 15- Introduction to **Python Programming**, provided by Princess Sumaya University.
- 16-SELF-PACED INTRODUCTION TO JAVA PROGRAMMING SERIES, provided by Arab Open University-Jordan.

RESEARCH

(a) Research Interests List of research interests in order of priority.

- Image processing.
- Biometrics security.
- Cryptography.
- Distributed systems.
- Cloud Computing

(b) Publication

[1] **Al-Tarawneh Mokhled**, Zensho Nakao and Yen-Wei Chen "***Fault Detection for Distributed Systems Communication***" ITC-CSCC01.Tokushima, Japan, 2001

[2] **M. S. Altarawneh**, Zsolt Husz, Izzet Canarlan, Peter Horvath and Sebahattin Topal "***2-D edge detection using cost minimization/ snakes***", 13th Summer school on Image Processing, July 2005, Szeged, Hungary

[3] **M.S. ALTARAWNEH**, L.C.KHOR, W.L.WOO and S.S DLAY "***Crypto Key Generation using Contour Graph Algorithm***", The Third IASTED, International Conference on Signal Processing, Pattern Recognition and Applications (SPPRA 2006), Innsbruck, Austria, February 2006, pp. 95-98 .

[4] **M.S. ALTARAWNEH**, L.C.KHOR, W.L.WOO and S.S DLAY "***Crypto Key Generation using Slicing Window Algorithm***" 5th International Conference on CSNDSP, Patras, Greece, 19-21 July, 2006, pp. 366-370

[5] **M.S. ALTARAWNEH**, W.L.WOO and S.S DLAY "***Biometrics and Future Security***", MU International Conference on Security, Democracy and Human Rights, Mutah, Jordan 10-12 July 2006

[6] **M. S. ALTARAWNEH**, L.C.KHOR, W.L.WOO, and S.S DLAY, "***A NON Reference Fingerprint Image Validity Check***," in Proceedings of The International Conference on Digital Communications and Computer Applications (DCCA 2007), Jordan, Irbid, March, 2007, pp. 776-780

[7] **M. S. ALTARAWNEH**, W.L.WOO, and S.S DLAY, "***OBJECTIVE FINGERPRINT IMAGE QUALITY ASSESSMENT USING GABOR SPECTRUM APPROACH***," in Proceedings of the 15th International Conference on Digital Signal Processing (DSP 2007), Wales, UK, July, 2007, pp. 248-251

[8] **M.S. ALTARAWNEH**, W.L. WOO, and S.S. DLAY, "***A Hybrid Method for Fingerprint Image Validity and Quality Computation***," accepted in The 7th WSEAS International Conference on SIGNAL PROCESSING, ROBOTICS and AUTOMATION (ISPRA '08), Cambridge, UK, February 20-22, 2008

[9] **M.S. ALTARAWNEH**, W.L. WOO, and S.S. DLAY, "***Biometric Key Capsulation Technique Based on Fingerprint Vault: Analysis and attack***," accepted in the 3rd IEEE INTERNATIONAL CONFERENCE ON INFORMATION & COMMUNICATION TECHNOLOGIES: FROM THEORY TO APPLICATIONS, ICTTA08, Umayyad Palace, Damascus, Syria, April 7 - 11, 2008.

[10] **M.S. ALTARAWNEH**, W.L. WOO, and S.S. DLAY, "***Fuzzy Vault Crypto Biometric Key Based on Fingerprint Vector Features***", accepted in the 6th Symposium on Communication Systems, Networks and Digital Signal Processing, Graz University of Technology, Graz, July 2008.

- [11] **M. S. Al-Tarawneh**, L. C. Khor, W. L. Woo, and S. S. Dlay, "***A NON Reference Fingerprint Image Validity via Statistical Weight Calculation***," Digital Information Management Journal, vol. 5, pp. 220-224, August 2007.
- [12] **Mokhled S Al-Tarawneh**, "***Crypto key Generation based on Signature Biometric using Gabor features selection***" accepted in the *Mosharaka International Conference on Communications, Computers and Applications* Program, MIC-CCA2009, Amman. 26 October 2009.
- [13] Bassam Al-Mahadeen, **Mokhled S. AlTarawneh** and Islam H. AlTarawneh, "***Signature Region of Interest using Auto cropping***", International Journal of Computer Science Issues, Vol. 7, Issue 2, No 4, pp 1-5, March 2010.
- [14] Al-Mahadeen, Bassam, Ismail, Widad, and **Altarawneh, Mokhled**, "***A Wireless Image Sensors Network for Monitoring Dust on Roads in ARID CONDITIONS***", Electronics World, Vol. 116 Issue 1892, p36; Aug 2010.
- [15] AL-MAHADEEN Bassam and **AL-TARAWNEH Mokhled**, "***Crypto Key Generation Based on Signature Biometric Using Gabor Features Selection***" Journal of Computer Science and Control Systems, Vol. 4, No. 1, pp 13-17, May 2011.
- [16] **Mokhled S. AL-TARAWNEH**, "***Lung Cancer Detection Using Image Processing Techniques***," Leonardo Electronic Journal of Practices and Technologies Issue 20, January-June 2012, p. 147-158. http://lejpt.academicdirect.org/A20/147_158.pdf
- [17] **Mokhled S. Al-Tarawneh**, "***An Empirical Investigation of Olive Leave Spot Disease Using Auto-Cropping Segmentation and Fuzzy C-Means Classification***," *World Applied Sciences Journal*, vol.23, no.9, pp: 1207-1211, 2013. [https://www.idosi.org/wasj/wasj23\(9\)13/12.pdf](https://www.idosi.org/wasj/wasj23(9)13/12.pdf)
- [18] **Mokhled S. Al-Tarawneh**, "***An Empirical Study on the Security Measurements of Websites of Jordanian Public Universities***," International Journal of Computer Science and Security (IJCSS), Volume (7): Issue (4): 2013. <http://www.cscjournals.org/library/manuscriptinfo.php?mc=IJCSS-881>
- [19] **Mokhled S. Al-Tarawneh**, Suha Al-Habashneh, Norah Shaker, Weam Tarawneh, Sajedah Tarawneh, "***Lung Cancer Detection using Morphological Segmentation and Gabor Filtration Approaches***," International Journal of Engineering Research & Technology, Vol. 3 - Issue 7 (July - 2014).
- [20] **Mokhled S. Al-Tarawneh**, "***A HYBRID METHOD FOR EXUDATES DETECTION USING CHAIN PROCESSING BY WATERSHED SEGMENTATION AND K-MEANS CLUSTERING***," Journal of Theoretical and Applied Information Technology (JTAIT), Volume 97: Issue 3: pp (775-786), ISSN: 1992-8645, 2019. <http://www.jatit.org/volumes/Vol97No3/7Vol97No3.pdf>
- [21] **Mokhled AlTarawneh**, Sultan Altarawneh, Buthaina Albawaleez, Mohammed Hiyassat, "***EXPLORING THE FACTORS AFFECTING THE ADOPTION OF CLOUD COMPUTING TO IMPROVE PROJECT MANAGEMENT PRACTICE: AN ANALYSIS OF THE ICT PRESPECTIVE IN JORDANIAN PRIVATE SECTOR***," International Journal of Civil Engineering and Technology (IJCIET), Volume 9, Issue 13: pp (1829-1842), ISSN: 0976-6308, 2018. http://www.iaeme.com/MasterAdmin/Journal_uploads/IJCIET/VOLUME_9_ISSUE_13/IJCIET_09_13_183.pdf
- [22] **Mokhled S. Altarawneh**, Jamal Bani Salamah, "***E-learning center of excellence as a service on a private cloud implementation for Jordanian universities***" International Journal of Engineering & Technology (IJET), Volume 7, Number 4: pp (4325-4329), ISSN: 2227-524X, 2018.

- [23] Janah A, Asassfeh, **Mokhled Altarawneh**, Fadiya Samson, *"Integrative Model for Quantitative Evaluation of Selection Telecommunication Tower Site,"* TELKOMNIKA, Telecommunication, Computing, Electronics and Control, Volume 16, Number 3: pp (1158-1164), ISSN: 1693-6930, 2018. <http://dx.doi.org/10.12928/telkomnika.v16i3.8922>
- [24] Jamal Bani Salamh, **Mokhled Altarawneh**, *"A Secure Exchange Technique for Secret Information and Encryption Key Using Hybrid system,"* International Journal on Communications Antenna and Propagation (IRECAP), Accepted for publication in Volume 9 , Number 1, ISSN: 2039-5086. <https://doi.org/10.15866/irecap.v9i1.16115>
- [25] **MOKHLED ALTARAWNEH**, AWS ALQAISI, JAMAL BANI SALAMAH, *"EVALUATION OF CLOUD COMPUTING PLATFORM FOR IMAGE PROCESSING ALGORITHMS,"* Journal of Engineering Science and Technology (JESTEC) Vol. 14, Issue.4, 2019, PPP – QQQ, ISSN: 1823-4690. http://jestec.taylors.edu.my/Vol%2014%20issue%204%20August%202019/14_4_33.pdf
- [26] Aws AlQaisi, **Mokhled Altarawneh**, Ziad A. Alqadi, Ahmad A. Sharadqah, *"Analysis of Color Image Features Extraction using Texture Methods,"* TELKOMNIKA, Telecommunication Computing Electronics and Control, Volume 17, No 3, ISSN: 1693-6930, 2018. <http://dx.doi.org/10.12928/telkomnika.v17i3.9922>
- [27] Aws Al-Qaisi1, **Mokhled S. Altarawneh**, AbdElRahman ElSaid, Ziad Alqadi, *"A Hybrid Method of Face Feature Extraction, Classification Based on MLBP and Layered Recurrent Network,"* Traitement du Signal Vol. 37, No. 4, August, 2020, pp. 555-561. <https://doi.org/10.18280/ts.370402>
- [28] Janah Asassafeh, Murat Akkaya, **Mokhled Altarawneh**, *"A Comprehensive Dynamic Approach for Selecting the Optimal Position of Telecommunication Towers"* International Research Journal of Innovations in Engineering and Technology - IRJIET, Volume 4, Issue 11, pp 26-34, November 2020. <https://doi.org/10.47001/IRJIET/2020.411004>

SERVICE

(a) Membership of Conference Committees

- Technical Committee on image Processing for International Association of Science and Technology for Development (IASTED), 2007-2010.
- International Programme Committee for the 1st International Conference on Digital Communications and Computer Applications DCCA2007 – Jordan
- International Programme Committee for the Ninth IASTED International Conference on Signal and Image Processing (SIP 2007) August 20 – 22, 2007, Honolulu, Hawaii, USA.
- International Programme Committee for the Eighth IASTED International Conference on Visualization, Imaging, and Image Processing, September 1 – 3, 2008, Palma de Mallorca, Spain.
- International Reviewing committee for the International Multi-Conference on Engineering and Technological Innovation: IMETI 2008, June 29- July 2, 2008 Orlando, Florida, USA
- International Programme Committee for the 2008 International Conference on Image Processing, Computer Vision, and Pattern Recognition, IPCV, USA (July 14-17, 2008).
- International Programme for the Ninth IASTED International Conference on Visualization, Imaging, and Image Processing ~VIIP 2009~, Cambridge, United Kingdom, July 13-15, 2009,
- Technical Programme Committee for the International Conference Medical Data Mining and Knowledge Discovery (SS-MDMKD), MIC-CAI 2011, Larnaca, Cyprus, 7-9 October 2011.
- International Programme Committee for the The 10th IASTED International Conference on Signal Processing, Pattern Recognition, and Applications (SPPRA 2013) & The 14th IASTED International Conference on Computer Graphics and Imaging (CGIM 2013), Austria, February 12 – 14, 2013.
- International Programme Committee for the 10th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISAPP, Germany, (March 11-14, 2015).
- International Programme Committee for the International Conference on Computer Vision Theory

and Applications (VISAPP 2016), Rome, Italy, (February 27-29,2016)

- International Programme Committee for the Second International Conference on Intelligent Information Processing, Security and Advanced Communication(IPAC'2016), Czech Republic.
- International Programme Committee for the International Conference on Computer Vision Theory and Applications (VISAPP 2017), Porto, Portugal, (February 27-1 March,2017).

(b) Service as Reviewer

Journals

- International Journal of Computer Science Issues (IJCSI) reviewer committee, Republic of Mauritius, 2013,2014, 2015.

Conferences

- The 2nd International Conference on Signal Processing and Communication Systems, ICSPCS'2008 Australia, Gold Coast, 15-17 December 2008
- The 10th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISAPP, Berlin, Germany, (March 11-14,2015).
- The International Conference on Computer Vision Theory and Applications (VISAPP 2016), Rome, Italy, (February 27-29,2016)
- International Programme Committee for the International Conference on Computer Vision Theory and Applications (VISAPP 2017), Porto, Portugal, (February 27-1 March,2017)
- The 10th International Multi-Conference on Engineering and Technological Innovation: IMETI 2017 July 8 - 11, 2017 – Orlando, Florida, USA
- The 4th International Conference on Advances in Computing, Communications and Informatics (ICACCI), ICACCI-2015, Kerala, India

(c) Technical Committees

1. Member of the ICT and eLearning strategy committee – Ministry of Higher Education and Scientific Research, 2010
2. Member of the accreditation committees for several Computer Engineering Programs in Private Universities, 2010-2014.
3. Member of technical committee of Jordanian Universities Company, 2010-2013.
4. Member of the University Council (2010, 2014).
5. Member of the Faculty Council (2009, 2014).
6. Member of Tenders' Committee (Mutah University Network and Security solution Upgrading).
7. Chairman of the Procurement and Bidding Committee.

References

Upon request