



**Mokhled Suleiman Al-Tarawneh**  
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## PERSONAL DATA

<b>Place of Birth:</b>	Karak, JORDAN
<b>Nationality:</b>	Jordanian
<b>Marital Status:</b>	Married
<b>Number of Children:</b>	Five

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## 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

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## CAREER DETAILS

### (a) Academic Positions Held

- Associate Professor, Computer Eng., Faculty of Engineering, Mutah University, 2013-Up to Now
- 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

- 01/09/216- up to Now; 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, resource, 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. Saudi 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.

### **( c ) Training**

- 1 - PC Maintenance , International Computer Center Studies (ICS) Jordan
- 2 - Operation and maintenance Of FileNet System s, 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.

### **(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**

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

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

### **(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 Canarslan, 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.

[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.

[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.

[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).

## **SERVICE**

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### **(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 Programm Committee for the International Conference Medical Data Mining and Knowledge Discovery (SS-MDMKD), MIC-CAI 2011, Larnaca, Cyprus, 7-9 October 2011.
- International Programm 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, (Febraury 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, (Febraury 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
- Tthe 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, (Febraury 27-29,2016)
- International Programme Committee for the International Conference on Computer Vision Theory and Applications (VISAPP 2017), Porto, Portugal, (Febraury 27-1 March,2017)
- The 10th International Multi-Conference on Engineering and Technological Innovation: IMETI 2017 July 8 - 11, 2017 – Orlando, Florida, USA
- The 4<sup>th</sup> 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).

**References**

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1. Prof. Thafer Yusif Assaraira, Mutah University President, Mobile +962797321321, email: [tsaraira@yahoo.com](mailto:tsaraira@yahoo.com)
  2. Professor Satnam Dlay, Newcastle University, UK, Telephone: +44 (0) 191 208 8356, email: [satnam.dlay@ncl.ac.uk](mailto:satnam.dlay@ncl.ac.uk)
  3. Prof. Husam Al-Hamideh, Mutah University, Mobile: +962797777036, emial: [husamh@mutah.edu.jo](mailto:husamh@mutah.edu.jo)