

## CURRICULUM VITAE

### Mokhled Sulaiman Al-Tarawneh

#### GENERAL

**Date of Birth:** July 1, 1966  
**Place of Birth:** Karak, JORDAN  
**Nationality:** Jordanian  
**Marital Status:** Married  
**Number of Children:** Four  
**Mailing Address:** Mutah University, Faculty of Engineering  
 Computer Engineering Dept.  
 Mutah, Karak, 61710  
**Mobile: +962-79971722**



#### ACADEMIC BACKGROUND:

- \* 1990: M. Eng. Computer Engineering (Azerbaijan/ AZtech University)
- \* 2001: M. Eng. Computer Engineering (JAPAN/Ryukyus University )
- \* 2008: PhD Computer Engineering (UK/ Newcastle University)

#### Practical Experience

- **1990- to -1995 Public Security Directorate /Information Dept.**  
**Title: Computer Site Engineer / Maintenance Engineer**
  - FileNet maintenance & UNIX V operating system support.
  - Field service on DEC & VAX minicomputers and peripherals.
  - VMS Utilities, Diagnostics.
- **1995 -- 1998: Mutah University / Computer Center**  
**Title: computer Engineer/ Network Manager**
  - Systems Installations, Configuration, Maintenance and Troubleshooting for (ALPHA system DEC 3000,ALPHA 4100,SUN SERVERS)
  - Open VMS utilities, diagnostics (DECNET, LAT, and TCP/IP)
  - Hardware systems setup, configuration and troubleshooting for PCs and peripherals.
  - Applications support and installations for Windows, MSOffice,
  - InterNet Installation and configuration (DNS, proxy, Mail, FTP and Web Servers)
- **1998 - 1999: Mutah University / Computer Center**  
**Title: Assistant Manager of Computer Center**
- **1999 - 2001: University of the Ryukyu's/ Japan Master Student**
- **2001 -2005: Mutah University / Faculty of Engineering**  
**Title: Lecturer**
- **2005 -2008: Newcastle University / UK/ PhD Student**
- **2008 -: Mutah University / Faculty of Engineering**  
**Title: Assistant Professor**
- **2010 -: Mutah University / Computer Center**  
**Title: Director**

**COURSES TAUGHT:**

In charge of undergraduate courses in computer engineering at Mu'tah University:

- Data transmission & Computer Networks
- Computer Programming Languages
- Operating Systems
- Computer Organization
- Programming Design
- Software Engineering 2+2 program
- Distributed Computing Systems
- Multimedia Systems
- Computer Security
- Real Time Systems
- Digital Image Processing
- C++ Programming Language

**Training Courses**

- 1 - PC Maintenance ICS Jordan.
- 2 - Operation and maintenance Of FileNet System 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.

**Research Interest**

Image processing, Biometrics security, Cryptography, Distributed systems

**Publication**

- [1] Al-Tarawneh Mokhled, Zensho Nakao and Yen-Wei Chen "***Fault Detection for Distributed Systems Communication***" ITC-CSCC01.Tokushima, Japan
- [2] Mokhled S. Al-Tarawneh , Zensho Nakao, & Siti Arpah Ahmad "***Building A Jordanian Universities Distributed Cache System of Internet Services***" Amman, Jordan 2001
- [3] Mokhled S. Al-Tarawneh, and Mohammad Reza Asharif, "***Intranet Solution for Distributed Image Processing***", Okinawa 2001
- [4] 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 .

- [5] 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
- [6] 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
- [7] 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
- [8] 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
- [9] 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
- [10] 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
- [11] 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.
- [12] 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. 23-27th July 2008, pp. 452-456
- [13] 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.
- [14] Mokhled S Altarawneh, "**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.
- [15] Bassam Al-Mahadeen, Mokhled S. AlTarawneh, Islam H. AlTarawneh, "**Signature Region of Interest using Auto cropping**", IJCSI International Journal of Computer Science Issues, Vol. 7, Issue 2, No 4, March 2010.

[16] Bassam M. Al-Mahadeen, Widad Ismail and Mokhled Altarawneh, “*Wireless Image Sensors Network for Monitoring Dust on Roads in Arid Conditions*”, Electronics World Magazine, Volume 116, Issue 1892, pp. 36-39, August 2010

### **Esteem Indicators**

1. Technical Committee on image Processing for International Association of Science and Technology for Development (IASTED), 2007–2010.
2. International Programme Committee for the 1st International Conference on Digital Communications and Computer Applications DCCA2007 – Jordan
3. International Programme Committee for the Ninth IASTED International Conference on Signal and Image Processing (SIP 2007) August 20 – 22, 2007, Honolulu, Hawaii, USA.
4. International Programme Committee for the Eighth IASTED International Conference on Visualization, Imaging, and Image Processing (VIIP 2008) September 1 – 3, 2008 Palma de Mallorca, Spain
5. International Reviewing committee for the International Multi-Conference on Engineering and Technological Innovation: IMETI 2008, June 29- July 2, 2008 Orlando, Florida, USA
6. International Programme Committee for 2008 International Conference on Image Processing, Computer Vision, and Pattern Recognition, IPCV, Monte Carlo Resort, Las Vegas, Nevada, USA (July 14-17, 2008).
7. International Programme Committee for the Ninth IASTED International Conference on Visualization, Imaging, and Image Processing ~VIIP 2009~ July 13-15, 2009 Cambridge, United Kingdom
8. International Reviewing committee for the 3<sup>rd</sup> International Multi-Conference on Engineering and Technological Innovation: IMETI 2010, June 29- July 2, 2010 Orlando, Florida, USA.

### **Membership**

- Jordan Engineers Association (JEA) 1995-up to date
- IET- 2005
- Arab Computer Society (ACS) 2008
- International Engineers Association (IAENG) 2007

**Languages: Arabic / English/ Russian**

**Referees. Upon request**