Laiali H. Almazaydeh

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Software Engineering Department

Faculty of Information Technology

Al-Hussein Bin Talal University

Ma’an 71111, Jordan

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**EDUCATION**

**Ph.D. Computer Science and Engineering, 2013,** withG.P.A 4.0

Dissertation title: “AN INTERACTIVE, REAL-TIME, HIGH PRECISION AND PORTABLE MONITORING SYSTEM OF OBSTRUCTIVE SLEEP APNEA”

University Of Bridgeport, Bridgeport, CT, USA

**Masters of Science: Computer Information Systems, 2007,** with cumulative average 86.1%

The Arab Academy for Banking and Financial, Amman, Jordan

**Bachelors of Science: Computer Science, 2003,** with cumulative average 87.34%

Al Hussein Bin Talal University, Ma’an, Jordan

WORK EXPERIENCE

Fulbright visiting scholar (Post-Doctoral), Feb 2018-Jul 2018

Jordanian-American Commission for Educational Exchange, University of Bridgeport, Bridgeport, Ct, USA

Post-doctoral researcher, Sep 2016-Feb 2017

Erasmus Mundus PEACE II scholarship, University of Minho, Guimarães, Portugal

Associate Professor, Jan 2018- Current

Al Hussein Bin Talal University, Ma’an, Jordan

Assistant Professor, Jul 2013- Jan 2018

Al Hussein Bin Talal University, Ma’an, Jordan

Computer Skills Lecturer, Sep 2003- Apr 2004

Al Hussein Bin Talal University, Ma’an, Jordan

**COURSES TAUGHT**

Computer skills, visual basic, C++, system analysis & design, database management systems, human computer interaction, digital image processing, Software requirement engineering, professional and ethical practices, technical writing skills, and Introduction to software engineering.

**RESEARCH INTERESTS**

Human computer interaction, biomedical signal processing, and wireless sensor networks.

**A SAMPLE of JOURNALS PUBLICATIONS**

1. **Laiali Almazaydeh**, Eman Abdelfattah, Manal Al-Bzoor, and Amer Al-Rahayfeh,” Performance Evaluation of Routing Protocols in Wireless Sensor Networks,” International Journal of Computer Science & Information Technology (IJCSIT), Vol.2, No. 2, pp. 64 - 73, April 2010.

2. Manal Al–Bzoor, **Laiali Almazaydeh**, Syed S. Rizvi,” HCDG: Hierarchal Coordination for Data Gathering in Wireless Sensor Networks,” International Journal of Computer Science and Security (IJCSS), Vol. 5, No. 5, 2011.

3. **Laiali Almazaydeh**, Khaled Elleithy and Miad Faezpiour and Ahmad Abushakra,”Apnea Detection Based on Respiratory Signal Classification,” Procedia Computer Science, Vol. 21, pp. 310-316, 2013.

4. **Laiali Almazaydeh**, Khaled Elleithy, Miad Faezipour, Helen Ocbagabir, “SVM-Based Sleep Apnea Identification Using Optimal RR-Interval Features of ECG signal,” International Journal of Intelligent Systems and Applications in Engineering (IJISAE) Vol. 4, No. 1, pp. 1-4, March 2016.

5. **Laiali Almazaydeh**, “Automatic Arabic Text Summarization System (AATSS) Based on Morphological Analysis”, International Journal of Intelligent Systems Technologies and Applications, Vol. 16, No.X, 2018. ***In press.***

6. Ayman Al Dmour, Ibrahim El rube’, **Laiali Almazaydeh**, “A New Method for Curvilinear text line Extraction and Straightening of Arabic Handwritten Documents,” IAJIT International Arab Journal of Information Technology, Vol. 15, No. 5, September 2018.

**A SAMPLE of CONFERENCES PUBLICATIONS**

1. **Laiali Almazaydeh**, Khaled Elleithy and Miad Faezpiour,” Detection of Obstructive Sleep Apnea through ECG Signal Features,” 2012 IEEE International Conference on Electro/Information Technology (IEEE eit 2012), Indaianapolis, Indiana, USA, 6-8 May 2012.

2. **Laiali Almazaydeh**, Khaled Elleithy and Miad Faezpiour,”Panoramic Study of Obstructive Sleep Apnea Detection Technologies,” 28th International Conference on Computers and Their Applications (CATA-2013), Honolulu, HI, USA, pp. 27-32, March 4-6, 2013.

3. **Laiali Almazaydeh**, Khaled Elleithy and Miad Faezipour , “A Development Framework for Monitoring Obstructive Sleep Apnea,” 22nd Annual CMOC Symposium Connecticut Microelectronics and Optoelectronics Consortium ,Yale University, New Haven, CT, USA, March 2013.

4. **Laiali Almazaydeh**, Khaled Elleithy, Miad Faezipour, “A highly Reliable and Fully Automated Classification System for Sleep Apnea Detection”, ICAT’14 International Conference on Advanced Technology & Sciences, Turkey, Antalya, August 12-15, 2014.

**AWARDS and HONORS**

1. “Distinction and Honor” award during all academic years of Bachelor’s degree, Jordan, 2001 -2003.

2. Scholarship to pursue a PhD in Computer Science and Engineering, Al-Hussein Bin Talal University, Jordan 2009 – 2013.

3. 2011 Upsilon Pi Epsilon Scholarship Award ($1,000 Cash Award), U.S.A., September 1, 2011.

4. ASEE Conference 2012, USA, Fourth place and honorable mention poster award.

5. ASEE Conference 2013, USA, First place poster award.

6. Postdoctoral researcher, Erasmus Mundus PEACE II scholarship, University of Minho, Portugal, Sep 2016 – Mar 2017.

7. ICUMT Conference 2016, Portugal, Best paper award.

8. Visiting professor, Academic mobility, Eramus + prgramme, Masaryk University, Brno, Czech Republic, June 23-June 30, 2017.

9. Postdoctoral researcher, Fulbright Visiting Scholars research grant program, University of Bridgeport, Bridgeport, CT, USA, February 1-July 31, 2018.

**INVITED TALKS**

1. “Science and Technology: Why So Few? How to Attract Many?”,(AAUW) American Association of University Women, United Nations, USA, February 25, 2011.

2. “Review the status of women and girls rights globally”, In celebration of the 100th anniversary of International Women’s Day, Housatonic Community College, Women’s Center, Bridgeport, CT, USA, March 8, 2011.

**WORKSHOPS**

1."E-learning and ICT Based learning: opportunities and strategies", Petra, Jordan, October 26-27, 2015.

2. “Entrepreneurship and Innovation”, Kansas, Missouri, USA, March 18-21, 2018.