

Curriculum Vitae

SUBHIEH “MOH’D FARAJ” EL-SALHI

PERSONAL INFORMATION

- Nationality: Jordanian
- Marital status: Married
- Mobile: 00962791695864
- Current Employer: Department of Computer Information System,
Hashemite University,
Zarqa
Jordan
- Email: subheya@gmail.com, subhie@hu.edu.jo

EDUCATION

2014 **Ph.D.** in Computer Science

Major: Data Mining, Classification, Feature extraction for non standard data set.

University of Liverpool, UK, <http://www.liv.ac.uk>

Thesis Title: “*Identification of Correlation Between 3D Surfaces Using Data Mining Techniques: A Case Study of Predicting Springback in Sheet Metal Forming*”

Supervisors: Prof. Frans Coenen and Dr. Clare Dixon

2003 **M.Sc.** in Computer Science, Average 3.50/4 (very good). University of Jordan,
<http://www.ju.edu.jo>

Thesis title: “*Call Admission Control scheme in ATM Networks*”

2000 **B.Sc** in Computer Science, Average 3.49/4 (very good), Hashemite University,
<http://www.hu.edu.jo>

1996 General Secondary Education Certificate Exam-Scientific Branch, Average 90.7%
(excellent)

SPECIALISATION

My Ph.D. Research interests are focused on Knowledge Discovery in Database (KDD) and more specifically in Applied Data Mining in manufacturing field (Sheet Metal Forming).

SUMMARY OF QUALIFICATION

1. Ability to teach and transfer the information clearly.
2. Ability to manage any task, problem or research professionally and accurately.
3. Ability to investigate problems in Applied Data Mining, more specifically dealing with non standard data set such as satellite images and 3D surfaces

4. Ability to work independently and to incorporate with a group to solve any research problem.
5. Ability to communicate effectively and interface at all levels.
6. Highly motivated, reliable, confident, and committed to professional standards.
7. Excellent organizational and management skills.

RESEARCH INTERESTS

Machine Learning and applied Data Mining, classification techniques, 3D surface representation, feature extraction for non standard data sets, large data sets and statistical analysis in the context of data mining field.

PROGRAMING LANGUAGES

1. Pascal
2. C, Object Oriented C++
3. Assembly
4. C#.Net & ADO.NET
5. Delphi
6. Visual Basic.6
7. Visual Basic.Net
8. Java
9. Oracle
10. SQL
11. Prolog
12. Rational Tools (RUP & UML)
13. ASP. Net

WORK EXPERIENCE

- **February 2015 – Present:**
 - Assistant Professor, Faculty of Prince Al-Hussein Bin Abdallah II for Information Technology (IT), the *Hashemite University*.
 - Assistant Dean for Accreditation and Industry Affairs (September 2016-August 2017).
- **October 2011 to November 2014**
 - **Lab Demonstrator** in the University of Liverpool during my Ph.D research from.
 - **Proctor** in the University of Liverpool from **1/10/2011 to 1/11/2014**.
- **July 2003 – October 2011 (6/7/2003 to 1/10/2011)**
 - **Instructor** in the **Hashemite University** in the Computer Information System Department.

- Teaching theoretical and practical courses on which the teaching load was up to 20 teaching hours in a single semester.
- Teaching individually and as a part of a team.
- A supervisor for final year project such as (not limited to) “*Email Service Application using Java Language on client-server model*”.
- A member in graduation projects evaluation committee; examiners for some of graduation projects such as: (i) Exams Rooms Reservation System, (ii) School Management System and (iii) Exam On Line.
- A member in an exam committee which is responsible about:
 - i. Assigning suitable date and time for all of the college exams
 - ii. Assigning suitable number of proctors for each exam
 - iii. Reserve suitable room for the exam
- Invigilator for both online & paper based exams
- Coordinator for many subjects:
 1. OOP1
 2. Discrete Mathematics
 3. Database
 4. Logic design
 5. Computer Skills (1)
 6. Computer Skills 2/H
 7. Computer Skills 2/S.
 8. System Programming

VOLUNTEER EXPERIENCE

- Tea Talk, University of Liverpool, Liverpool, UK, 2011-2014.

ATTENDED WORKSHOP AND TRAINING COURSES WITH CERTIFICATE

Research Training Program - with certificates (University of Liverpool, UK)

- Research Students Induction Event 16/11/2011
- Thesis Writing Workshop 31st January 2012- Tuesday 15th May, 2012
- Viva Survivor 24/7/2014
- Learning & Teaching Conference 2014 'Recognising and Sharing Teaching Excellence'
26/06/2014
- Introduction to Project Management 30/07/2014
- The Influential Researcher 29/07/2014
- The Enterprising Researcher 21/07/2014
- Project management Briefing 25/06/2014
- Structuring Argument 13/06/2014
- Managing Your Supervisor 05/06/2014

- Collaboration 02/04/2014
- Managing Your Supervisor 05/06/2014
- Critical Thinking 29/04/2014
- Starting Writing and Writers Block 29/04/2014
- Poster workshops for Research Postgraduates 11/04/2014
- Demonstrator Training course 30/01/2013
- Creativity in Research 17/07/2013
- Creating a Map to Research Success 17/07/2013
- Argument 15/07/2013
- Identifying Funding Sources 11/07/2013
- Planning and Writing a Research Proposal 09/07/2013
- latex workshop 5 March 2014
- LivWiSE (Liverpool Women in Science and Engineering) 06/11/2014
- Women in Science, Technology, Engineering & Math (STEM) Lecture Series 12/11/2014

Staff Training Courses – with certificates (Hashemite University)

- Oracle Developer 2000 (from 14/6/99 to 6/7/99)
- Training in Educational Technology (from 21/11/2004 to 25/11/2004)
- Developing Windows App & Web App using C#. Net & ADO.NET (from 9/1/2005 to 21/2/2005)
- Software Engineering Fundamentals with Rational Technology (from 21/9/2003 to 2/10/2003)
- Microsoft ASP. Net 2.0 Web Applications using Microsoft Visual Studio 2005 (4/5/2006)
- Rational Unified Process (RUP) & UML Using Rational Tools 13-17/8/ 2006
- E-learning Courses
 1. Blackboard
 2. Elluminate
 3. Tegrity
 4. Lectora

TEACHING COURSES

1. Visual programming 1 (VB 6.0, VB.Net)
2. Fundamental of Computer Science
3. Logic Design
4. Networks
5. Object Oriented Programming 1 (visual C++)
6. Object Oriented Programming 2 (Java Language)
7. Computer Information Systems (CIS)
8. Computer Skills1
9. Computer Skills 2/ Humanities (Visual Basic 6)
10. Computer Skills 2/ Humanities (more advanced topics)
11. Computer Skills 2/ Science (Visual C++ 6)
12. Discrete Mathematics
13. Data Base
14. System Programming
15. Algorithms

CONFERENCES, WORKSHOPS AND SEMINARS

1. Workshop on E-Learning Reality and Ambition, The Hashemite University, April 6th, 2010.
2. Training Workshop on Writing Research projects Proposals, The Hashemite University, 23 February 2010.
3. The First Jordanian Conference of E-Arab Vision, Arab Amman University, 26-27 January 2010.
4. New Research Strategies on Computing Technology, The Hashemite University, 22 April 2009
5. Workshop on Student Graduation Projects, The Hashemite University, 20 February 2009.
6. AI-2012 Thirty-second SGAI International Conference on Artificial Intelligence. Cambridge, England 11-13 December 2012.

PUBLICATIONS

International Conferences papers:

1. M. Khan, F. Coenen, C. Dixon, and **S. El-Salhi**. *Finding Correlations Between 3D Surfaces: A study in Asymmetric Incremental Sheet Forming*", In Machine Learning and Data Mining in Pattern Recognition (Proceedings Conference MLDM 2012), Springer LNAI 7376, pages 336-379, 2012.
http://link.springer.com/chapter/10.1007%2F978-3-642-31537-4_29
2. **S. El-Salhi**, F. Coenen, C. Dixon, and M. S. Khan. "*Identification of Correlations Between 3D Surfaces Using Data Mining Techniques: Predicting Springback in Sheet Metal Forming*". In SGAI International Conference on Artificial Intelligence, pages 391-404, 2012. http://link.springer.com/chapter/10.1007%2F978-1-4471-4739-8_30
3. **S. El-Salhi**, F. Coenen, C. Dixon, and M. S. Khan. "*Predicting Features in Complex 3D Surfaces Using a Point Series Representation: A Case Study in Sheet Metal Forming*". In Advanced Data Mining and Applications, volume 8346 of Lecture Notes in Computer Science. 2013. http://link.springer.com/chapter/10.1007%2F978-3-642-53914-5_43
4. W. Yu, F. Coenen, M. Zito, and **S. El-Salhi**. "*Minimal Vertex Unique Labelled Sub graph Mining*". In DaWaK, pages 317-326, 2013.
http://link.springer.com/chapter/10.1007%2F978-3-642-40131-2_28
5. W. Yu, F. Coenen, M. Zito, and **S. El-Salhi**. "*Vertex Unique Labelled Sub graph Mining*". In SGAI Conf., pages 21-37, 2013.
http://link.springer.com/chapter/10.1007%2F978-3-319-02621-3_2
6. W. Yu, F. Coenen, M. Zito, and **S. El-Salhi**. "*Vertex unique labelled sub-graph mining for vertex label classification*". In Advanced Data Mining and Applications, volume 8346 of Lecture Notes in Computer Science. 2013.
http://link.springer.com/chapter/10.1007%2F978-3-642-53914-5_46

International Journal papers:

1. M. Khan, F. Coenen, C. Dixon, and **S. El-Salhi**. *Classification Based 3-D Surface Analysis: Predicting Springback in Sheet Metal Forming*. Journal of Theoretical and Applied Computer Science, Volume 6, Number 2, pages 45 – 49, 2012.
<http://www.jtacs.org/archive/2012/2/4>
2. **S. El-Salhi**, F. Coenen, C. Dixon, and M. S. Khan. “*On Predicting Springback Using 3D Surface Representation Techniques: A Case Study in Sheet Metal Forming*”. In Expert Systems with Applications International Journal (2015), Vol. 42, pages 79 – 93. <http://www.sciencedirect.com/science/article/pii/S0957417414004485>
3. M. S. Khan, D. Bailly, F. Coenen, C. Dixon, **S. El-Salhi**, M. Penalva, A. Rivero, “*An Intelligent Process Model: Predicting Springback in Single Point Incremental Forming*”. In The International Journal of Advanced Manufacturing Technology (2014), Vol. 74, pages 1-12. <http://link.springer.com/article/10.1007%2Fs00170-014-6431-1>
4. El-Salhi, S.M. Al-Haj Saleh, S.N. Al-Amro, I.I., “*Towards developing an automated attendance management system using barcode reader: Hashemite University as a case study*”. International Journal of Business Information Systems (2019), 31(1), pp. 69-85. <https://www.inderscience.com/info/inarticle.php?artid=99527>
5. Kilani, Y. Alsarhan, A. Bsoul, M. El-Salhi, S.M., “*Local search-based recommender system for computing the similarity matrix*”, International Journal of Intelligent Systems Technologies and Applications (2019), 18(4), pp. 391-404.
<https://www.inderscience.com/info/inarticle.php?artid=100808>
6. Subhieh El Salhi, Fairouz Farouq, Randa Obeidallah, Yousef Kilani and Esraa Al Shdaifat, “*Real-Time Carpooling Application based on k-NN Algorithm: A Case Study in Hashemite University*” International Journal of Advanced Computer Science and Applications(IJACSA), 10(12), 2019.
<http://dx.doi.org/10.14569/IJACSA.2019.0101235>
7. Subhieh El-Salhi, Fairouz Farouq, Randa Obeidallah and Mo'taz Al-Hami, “*On Developing an Integrated Family Mobile Application*” International Journal of Advanced Computer Science and Applications(IJACSA), 10(12), 2019.
<http://dx.doi.org/10.14569/IJACSA.2019.0101276>

HONOURS

I've got two scholarships from Hashemite University. The first scholarship was in 2000 to get a Master degree in the Computer Science from the University of Jordan (Amman-Jordan) and the second one was in 2011 to get a Ph.D degree in the Computer Science from the University of Liverpool (UK).

REFERENCES

Upon request.