CURRICULUM VITAE

Personal Information:

Name: Faraj A. El-Mouadib

Birth date: June 24, 1952

Birth Place: Derna, Libya

Material Status: Married with 3 children

Current job: Professor

E-mail: **elmouadib@yahoo.com**
          elmouadib@gmail.com
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Work History:

- 2015 to now, Member of the consultant committee for the Quality Assurance Center, Eastern Province of Libya.

- 2011 to now, Professor in Department of Computer Science, Faculty of Information Technology, University of Benghazi, Benghazi, Libya.

- 2011 to now, Professor in Department of Computer Science, Academy of graduate studies, Benghazi branch, Benghazi, Libya.

- 2014 to 2016, head of Computer Science Department at the faculty of Arts and Science, Ajdabiya branch, University of Benghazi, Libya.

- 2010 to now, Council member of the University of Benghazi research and consultation center.

- 2007 to 2011, Associate Professor in Department of Computer Science, Faculty of Information Technology, University of Garyounis, Benghazi, Libya.

- 2007 to 2011, Associate Professor in Department of Computer Science, Academy of graduate studies, Benghazi branch, Benghazi, Libya.

- 2007 to 2008, coordinator of postgraduate studies at the Faculty of Information Technology, University of Benghazi, Benghazi, Libya.

- 2007 to 2013, head of Computer Science Department at the faculty of Arts and Science, Ajdabiya branch, University of Benghazi, Libya.

- 2004 to 2007, Assistance Professor in Department of Computer Science, Faculty of Information Technology, University of Benghazi, Benghazi, Libya.

- 2003 to now, part time lecturer at the Academia of postgraduate studies, Benghazi branch.

- 2003 to 2004, Computer Technology Consultant to the local Ministry of Education, Benghazi, Libya.

- 2001 to 2005, Assistance Professor in Department of Computer Science, Faculty of Sciences, University of Benghazi, Benghazi, Libya and Eltahadi University, Faculty of Sciences, Sirite Libya.

- 1994 to 2000, studying for the Ph.D. degree in Poland.

- 1989 to 1994, Lecturer in Department of Computer Science and Coordinator of Department of Computer Science (Eltahadi University, Faculty of Arts and Sciences, Sirite Libya).

- 1991 to 1994, Lecturer in Department of Computer Science (Faculty of Sciences, University of Benghazi, Benghazi, Libya).

- 1988 to 1990, Head of Department of Computer Science (Faculty of Sciences, University of Benghazi, Benghazi, Libya).

- 1986 to 1987, Lecturer in Department of Computer Science (Faculty of Sciences, University of Benghazi, Benghazi, Libya).

- 1983 to 1985, studying for M. Sc. degree in the UK.

- 1980 to 1983, Demonstrator and head of Department of Computer Science (University of Benghazi, Research Center, Benghazi, Libya).

Programming experience

During the period of 1986 to 1994, I have been involved in the design and implementation of several Computer projects for Libyan Universities and governmental Ministries (in FoxPro, C and C++).

Address (Personal):

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Address (Work):

University of Benghazi,
Faculty of Information Technology,
Department of Computer Science,
P.O. Box 1308, Benghazi, Libya

Languages:

Arabic: Mother tongue.
English: Fluent.

Degrees:

- Ph.D. in Computer Science, 2000, Polish Academy of Sciences, Institute of Computer Science, Departments of Artificial Intelligence, Warsaw, Poland.

- M.SC. in Computer Science, 1985, "Knowledge based Systems", Heriot–Watt University, Edinburgh Scotland, UK.

- B.S. in Data processing, 1979, University of Dayton, Dayton, Ohio, USA.

Published Research (Journals):

1. Application of C-means and MC-means Clustering Algorithms to Soybeans Dataset. In the International Conference on Internet Studies NETs2010, Taipei, Taiwan November 25–27, 2010. http://ijecs.academic-journal.org/ International journal of electronic commerce studies
www.academic-journals.org/ojs2/index.php/ijecs/issue/view/57

2. A modified C-means clustering algorithm. In the 8th WSEAS International Conference on DATA NETWORKS, COMMUNICATIONS, COMPUTERS (DNCOCO '09), Baltimore, Maryland USA, November 7–9, 2009.
www.wseas.us/e-library/conferences/2009/.../DNCOCO-10.pdf
http://dl.acm.org/citation.cfm?id=1670358

3. New Implementation of Unsupervised ID3 Algorithm (NIU-ID3) Using Visual Basic.net. In the 8th WSEAS International Conference on DATA NETWORKS, COMMUNICATIONS, COMPUTERS (DNCOCO '09), Baltimore, Maryland USA, November 7–9, 2009.
www.wseas.us/e-library/conferences/2009/.../DNCOCO-11.pdf
www.portal.acm.org/citation.cfm?id=1670359

4. Generic Interactive Natural Language Interface to Databases (GINLIDB). The 10th WSEAS International Conference on EVOLUTIONARY COMPUTING (EC'09), Prague, Czech Republic; March 23–25, 2009 and NTERNATIONAL JOURNAL OF COMPUTERS Issue 3, Volume 3, 2009.
    www.naun.org/journals/computers/ijcomputers-147.pdf
    http://dl.acm.org/citation.cfm?id=1561924

Published Research (Conferences):

1. The Power of Contingency Tables in Prediction. In The 9th Conference on Advances in Decision Systems (ASD 2015), September 10-12, 2015, Tangier, Morocco. .
    http://www.asd-conf.net

2. Application of data mining techniques for analyzing road traffic incidents a case study of Libya's road traffic. In 2nd International Conference CSCIT2015, February 9-11, 2015, Nanded, India. http://www.cscit2015.in

3. The performance of the Apriori-DHP algorithm with some alternative measures. In 8th Conference on Advances in Decision Systems (ASD 2014), May 29–31, 2014, Hammamet, Tunisia. http://www.asd-conf.net

4. New directions in Custer Analysis. The 3rd International Workshop on Innovation & New Trends In Information Systems (INTIS' 2013), November 29–30, 2013, Tangier, Morocco. http://intis.conferences-it.com

5. The adoption of FP-Growth Algorithm to mine Multilevel Association Rules. 7th Conference on Advances in Decision Systems (ASD 2013), May 25–27, 2013, Marrakech, Morocco. http://www.asd-conf.net

6. Knowledge within Time-Series Databases. 2nd International Maghrebian Conference on the Extraction and management of Knowledge. (EGC-Maghreb 2011), November 23–25, 2011, Tangier, Morocco. http://ensat.ac.ma/egcm2011

7. Comparison of crisp and fuzzy KNN classification algorithms. In the international Arab Conference on Information Technology (ACIT'2010). Benghazi, Libya December 14–16, 2010. www.acit2k.org/ACIT/index.php?option=com_content...

8. A study of multilevel association rule mining. In the international Arab Conference on Information Technology (ACIT). Benghazi, Libya December 14–16, 2010. www.acit2k.org/ACIT/index.php?option=com_content...

9. A method for Taxonomy Formation by Approximate Equivalence Relations. The Second Basic Sciences Conference, AL-Fateh University, Faculty of Science, Tripoli, Libya, November 4–8, 2007.

10. Taxonomy Formation: A restricted form of Knowledge Discovery in Databases. The 3rd Scientific Symposium, Science and Its Applications, Faculty of Science, University of Garyounis. June 3–4, 2007. Benghazi, Libya.
    www.jsciapp.garyounis.edu

11. Combining some of the improvements of Apriori algorithm. The 3rd Scientific Symposium, Science and Its Applications, Faculty of Science, University of Garyounis. June 3 – 4, 2007. Benghazi, Libya.
    www.jsciapp.garyounis.edu

12. From contingency tables to Taxonomies. Journal of Science and its Applications, Faculty of Science, University of Garyounis. Vol. 1, No. 1, February 2007.
    www.jsciapp.garyounis.edu

13. Taxonomy Formation by Approximate Equivalence Relations, Revisited, Proceedings of the third European Conference, PKDD'99, in: J. M. Żytkow and J. Rauch [eds.], Principles of Data Mining and Knowledge Discovery, Lecture Notes in Artificial Intelligence 1704, Springer 1999, 71-79
    http://www.springerlink.com/content/1u1v1wh8q2djxepx

14. On Taxonomy Formation by Approximate Equivalence Relations. In: M. Klopotek, M. Michalewicz [eds.], Proceedings of the 8th Workshop Intelligent Information Systems, IPI PAN 1999, 37-46. Proceedings of the Workshop held in Ustron/ Wisa, Poland. June 14 – 18, 1999.

15. Taxonomy Formation. In: M. Klopotek, M. Michalewicz and Z. Raś [eds.], Proceedings of the 6th Workshop Intelligent Information Systems, IPI PAN 1997, 180 - 193. Proceedings of the Workshop held in Zakopane, Poland. June 9 – 13, 1997.

16. Survey paper on Knowledge Discovery in Databases, ICS PAS Reports, (No. 785), Warsaw, Poland, August 1995.
www.ipipan.eu/publishing/printer/pub1995pr.html

Scientific Committees:

1. 9th Conference on Advances in Decisional Systems (ASD 2015). Sep. 10-12, 2015, Tangier, Morocco.
http://www.asd-conf.net

2. International Conference on Applied and Theoretical Information Systems Research (ATISR 2014). June 18-20, 2014. Taipei, Taiwan. http://atisr.org/conference

3. 8th Conference on Advances in Decisional Systems (ASD 2014). May 29-31, 2014, Hammamet, Tunisia. http://www.asd-conf.net

4. 3rd Workshop on Innovation and New Trends in Information Systems.
http://intis.conferences-it.com

5. The International Maghrebian Conference on the Extraction and management of Knowledge. http://ensat.ac.ma/egcm2011

6. The international Arab Conference on Information Technology (ACIT).
www.acit@ccis2k.org

Reviewer:

I have been involved as a reviewer and evaluator to:

1. 9th Conference on Advances in Decisional Systems (ASD 2015). Sep. May 10-12, 2015, Tangier, Morocco, http://www.asd-conf.net

2. The 10th ACS/IEEE International Conference on Computer Systems And Applications (AICCSA 2013), Fes, Morocco, http://aiccsa.uic.edu

3. International Maghrebian Conference on the Extraction and management of Knowledge. (EGC-Maghreb 2011), Tangier, Morocco, http://ensat.ac.ma/egcm2011

4. International Conference on Internet Studies NETs2010, Taipei, Taiwan.

5. The international Arab Conference on Information Technology (ACIT), acit@ccis2k.org

6. The International Journal of Open Problems in Computer Science and Mathematics (IJOPCM), Department of Mathematics, Faculty of Science, King Faisal University, P.O. Box 400 - Hufuf, Ahsaa 31982, Kingdom of Saudi Arabia.

7. World Scientific and Engineering Academy and Society (WSEAS) conferences, www.wseas.org

8. Journal of Science and its Applications, Faculty of Science, University of Garyounis, P.O. Box 1308, Benghazi, Libya.

General Lectures:

1. Knowledge Discovery and Data Mining, Academy of Postgraduate studies. Tripoli, Libya, April, 2009.

2. The use of library databases in support of postgraduate studies. 7th of October University, Musirata, Libya. March, 2009.

Research Area Interest:

- Database Management Systems.
- Knowledge Discovery in Databases (KDD).
- Classification.
- Data Mining.
- Cluster Analysis.
- Data Warehousing.
- Artificial Intelligence.

Undergraduate level research supervision:

In addition to teaching, I have supervised quit a number of research projects for final year students in Computer Science and Software Engineering.

Finished MSC thesis research supervision:

	Thesis title	Date	Student name
1.	The utilization FP-growth approach for mining the preference Thinking Styles and Profiles for University students	Nov., 2012	Rafah A. Mohammed
2.	Solving time table problem using GA	Jan., 2012	Walid Y. Abdel Wahed
3.	The adoption of FP-growth algorithm to mine multi level association rules	Dec., 2011	Ilham A. El-Areibi
4.	Data reduction by using decision trees	Dec., 2010	Salma M. Majbari
5.	An applicative study of standard genetic algorithm and Havrda and Charvat entropy based genetic algorithm for solving the Traveling Salesman Problem	Oct., 2010	Hawa M. El-Aimami
6.	Data mining in time series database via segmentation	Mar., 2010	Fathalla R. Elmansuri
7.	A comparison study of the DHP improvement with the original Apriori algorithm	Mar., 2010	Khadeja Jhan[1]
8.	An applicative study of two algorithms for multi level association rules of transactional databases	Dec., 2009	Amina O. El-Majressi
9.	An application of alternative interestingness measures to Apriori-DIC	Sep., 2009	Maha T. Alzabata
10.	Testing the performance of Apriori-DHP algorithm under some alternative interestingness measures	Jul., 2009	Khirallah S. Al ferjani
11.	Comparative study of Crisp K-Nearest Neighbor and	Jul., 2009	Amal farag
12.	New Implementation Of Unsupervised ID3 Algorithm Using Visual Basic.net	May, 2009	Ahmed A. Alhouni
13.	A hospital department referral system by decision trees	Apr., 2009	Aisha A. Lusta[1]
14.	The use of Attribute Oriented to extract Characteristic rules	April, 2009	Marwa R. Elsariti[1]
15.	Generic Interactive Natural Language Interface to database	Nov., 2008	Ahmad A. El-Magrous
16.	Comparative study between some algorithms of crisp and fuzzy clustering	Nov., 2008	Halima S. Talhi
17.	Attribute Induction Generalization Using Concept Hierarchy	Aug., 2008	Mosa M. Alrotub
18.	The impact of using data warehouse on Manpower Employment Decision Support System	June, 2008	Muftah A. Onaiba
19.	Taxonomy Formation as a restricted form of Knowledge Discovery in Databases	Aug., 2006	Fatima B. Ben Nafi
20.	Comparative study of some of different	June, 2006	Salem A. Mohammed

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[1] Students in the joint program between Nottingham Trent University (England) and the 7th of October University, Musirata, Libya.

Thesis title	Date	Student name
efficiency improvements of Apriori algorithm for association rule mining		

In progress MSC thesis research supervision:

1. Application of attribute oriented induction for medical database.
2. Survey study of text mining techniques.
3. Text Classification in Text Mining.

Teaching Experience:

I have taught the following courses:

Postgraduate level:

- Data Mining.
- Analysis and Design of Databases.
- Artificial Intelligence.
- Cluster Analysis.

Undergraduate level:

- Intro. To Database Management Systems.
- Introduction to Computer Science.
- Introduction to Artificial Intelligence.
- Introduction to Computer Programming.
- Discrete Structures.
- Pascal Programming.

Books:

- Introduction to Data Mining in Arabic (In progress).
- Co-author of a textbook introduction to Computer Science for the 8th grade student in Libyan Schools.

Referees:

- Prof. Jacek Koronacki, Polish Academy of Sciences, Institute of Computer Science, Departments of Artificial Intelligence, ul. Ordona 21, 01-237, Warsaw, Poland. korona@ipipan.waw.pl

- Prof. Jan M. Żykow, Department of Computer Science, university of North Carolina, Charlotte, NC 28223, USA. zykow@uncc.edu

- Prof. Fathalla S. Elmistiri, University of Garyounis, Faculty of Sciences, P.O. Box 9480, Benghazi, Libya. fathallasm@yahoo.com