

Dr. LUAI AL SHALABI
(ASSOCIATE PROFESSOR)
CURRICULUM VITAE
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ADDRESS	Information Technology College (ITC), Arab Open University, Kuwait Branch. Tel.: +965 99176300 (mobile) - Kuwait E-mail: luai1971@yahoo.com	
PERSONAL DATA	Born: Jan 1, 1971; Place: Irbid, Jordan Nationality: Jordanian Status: Married –4 kids	
EDUCATION	B. S. M. S. Ph. D.	Compuer Science, Yarmouk University, Irbid, Jordan , 1992. Compuer Science, University Science Malaysia, Penang, Malaysia , 1996. Computer Science, University Putra Malaysia, KL, Malaysia , 2000.
TITLES OF THESES	M.S. Ph. D.	An Interpretation Model of Partially Occluded Curved Object Based on Minimum Principle. New Learning Models for Generating Classification Rules Based on Rough Set Approach.
JOB HISTORY	1993/1994: 2/5/1996– 31/12/1996: 1/3/1997– 31/5/1997: 24/7/1997– 1/6/1998: 15/12/1998– 15/3/1999: 1/9/1998– 23/9/2000: 28/9/2000– 20/2/2008: 2002 – 2004: 2004 – 2005: 2007 - 2008: 9/10/2005– 1/7/2007: 2007- 2008: 21/2/2008- 9/5/2018:	Lecturer , Computer Science Dept., Huwara Community College (Jordan). Researcher , Universiti Sains Malaysia, Malaysia. Researcher , Universiti Putra Malaysia, Malaysia. Data Warehouse Manager , Suiwah Corporation PHD, Malaysia. Part Time Lecturer , Faculty of IT, Binary Collage, Malaysia. Lecturer , Computing for Business/ Faculty of Computing, University of Northumbria at New Castle, Program at Sedaya University, Malaysia. Assistant Prof. , Faculty of Information Technology, Applied Science University (ASU), Amman, Jordan. Part Time Lecturer , Philadelphia University, Amman, Jordan. Part Time Lecturer , Arab Academy University, Amman, Jordan. Part Time Lecturer , Arab Academy University, Amman, Jordan. Part Time Lecturer , Arab Open University, Amman, Jordan. Head of Computer Science Department , Computer Science department / Faculty of Information Technology, Applied Science University, Amman, Jordan. Consultant for the Quality Improvement Fund (QIF) for Palestinian Tertiary Education. Assistant Professor , Information Technology College (ITC), Arab Open University (AOU), Kuwait Branch.

	10/5/2018-present:	Associate Professor , Information Technology College (ITC), Arab Open University, Kuwait Branch.
TEACHING EXPERIENCE	<p>Undergraduate Courses: Database I, Database II, Database design, Advanced database, Knowledge Discovery and Data Mining, Data structure, Pascal, C, C++, Introduction to Java, Python, Software project management, Distributed systems, Ethics, Business data communication, Computer security, Final year Project, Team work in distributed environment, and Data management and analysis.</p> <p>Graduate Courses: Research Methods, Management Information System, Business Information technology.</p>	
RESEARCH INTERESTS	<ul style="list-style-type: none"> a) Data Mining. b) Data Science. c) Big data. d) Machine learning algorithms. e) Classification (algorithms and applications). f) Feature selection algorithms. g) Preprocessing data (redundancey removal, normalization process, missing data treatment). h) Internet of things. i) Databases and its Applications. 	

GRANTS

Title & Year		Source
1.	Internet Security and Smart Card Security/ ERBA grant, 1997.	Univerisity Putra Malaysia
2.	Searching Engine for Malay Language on the Internet/ ERBA grant, 1996.	Univerisity Sains Malaysia
3.	Rough Set-Based Reduction of Incomplete Medical Datasets by Reducing the Number of Missing Values, 2015.	Arab Open University/Kuwait
4.	Performance Evaluation of Wireless Routing Protocols for MANET, 2018.	Arab Open University/Kuwait
5.	Online Shopping Adoption Factors in Kuwait Market Based on Data Mining Rough Set Approach, 2018.	Arab Open University/Kuwait
6.	Children Care System: Controlling the Use of Smart Devices, 2018.	Arab Open University/Kuwait
7.	Comparative study of Data Mining Classification Techniques for Detection and Prediction of Phishing Websites, 2018.	Arab Open University/Kuwait
8.	A Data Mining Model for Students' Choice of college Major Based on Rough Set Theory, 2019.	Arab Open University/Kuwait
9.	A WGFS Based Approach to Extract Factors Influencing the Marketing of Korean Language in GCC, 2021.	Arab Open University/Kuwait
10	Evaluation of COVID-19 Vaccine Refusal in Kuwait,2022.	Arab Open University/Kuwait

MEMBERSHIP OF UNIVERSITY COMMITTEES

- Member of University Scientific Research Senate, ASU, 2005 – 2007.
- Member of Library Committee, AOU-Kuwait branch, 2011-2012.
- Member of the AOU Revalidation Committee (Open University Revalidation), 2012.
- Member of tutors affairs committee, AOU-Kuwait branch, 2010 - 2012.
- Member of the AOU Accreditation Committee (Accreditation from the Institute of Engineering and Technology (IET)), 2016-current.
- Member of the AOU Revalidation Committee (Open University Revalidation), 2021.

MEMBERSHIP OF FACULTY COMMITTEES

- Leader of final year projects committee, ASU, 2002 – 2005.
- Leader of Quality Assurance (QA) program for the computer science department, ASU, 2005 – 2007.
- Member of ETS committee, ASU, 2005 – 2008.
- Member of studying schedule committee, ASU, 2005 – 2007.
- Member of hiring committee, ASU, 2006 – 2007.
- Computer Information System (CIS) represented in the faculty senate, ASU, 2007 – 2008.
- Leader of CIS accreditation, ASU, 2007 – 2008.
- Member of grievances committee, AOU-Kuwait, 2009 - 2010.
- Member of exams committee, AOU-Kuwait, 2011 - present.
- Leader of the library committee, AOU-Kuwait, 2011 - present.
- Member of ITC accreditation, AOU, 2017.
- Member of the IET (Institution of Engineering and Technology) first accreditation team, AOU, 2017
- Member of ITC accreditation, AOU, 2021.
- Member of the IET re-accreditation team, AOU, 2021

SEMINAR PRESENTATIONS

- Seminar at Universiti Sains Malaysia. Occlusion in Two-Dimensional Line Drawings (1995).
- Seminar at Universiti Putra Malaysia, Rough Set Theory and Classification Rules (1999).
- Seminar at AOU-Kuwait, Data Mining (2012).
- Seminar at AOU-Kuwait, Final Year Projects (yearly 2010-2021).

OTHER ACTIVITIES

- Acted as a referee for the following conference: CSIT'2006, ASU, Jordan.
- Acted as a referee for the IEEE Transactions on Knowledge and Data Engineering Journal (2015-current).
- Acted as a referee for the IEEE Intelligent Systems Journal (2019-current).
- General course coordinator (GCC) for the three courses: C++, Visual C++, and Teamwork in a distributed environment, AOU-all the seven branches, 2009 – 2014.
- Branch course Coordinator (BCC) for C++ and visual C++, AOU-Kuwait, 2008 - 2013.
- Branch Course coordinator (BCC) for the course "Team work in a distributed environment", AOU-Kuwait, 2009 – 2014.
- Coordinator of the department meetings, AOU-Kuwait, 2008 – 2010.
- Attending a number of workshops related to computer science and open learning at AOU-Kuwait.
- Branch Course coordinator (BCC) for the final year projects, AOU-Kuwait, 2014 – current.
- General course coordinator (GCC) for the final year projects, AOU-all the nine branches, 2019 – current
- General course coordinator (GCC) for the Data Mining course, AOU-all the nine branches, 2021 – current

PROFESSIONAL AND SCIENTIFIC MEETINGS (CONFERENCES, CONVENTIONS, SYMPOSIA AND TRAINING COURSES)

- Teaching Skills, training course, ASU, 2004.
- Quality assurance workshop, ASU, 2005.
- Learning management system workshop, AOU-Kuwait, the yearly workshop, 2008 – current year.
- Exams' workshop, AOU-Kuwait, yearly workshop, 2013 – current year.
- Final year project workshop, AOU-Kuwait, the yearly workshop, 2014 – current year.
- Quality assurance workshop, AOU-Kuwait, 2014.
- Management information system workshop, AOU-Kuwait, 2017.
- Advising workshop, AOU-Kuwait, 2017.
- New management information system workshop, AOU-Kuwait, 2019.

CONSULTING EXPERIENCE

- Consultant of the Quality Improvement Fund (QIF) for Palestinian Tertiary Education, 2007/2008.

PRIZES

Excellence Award for publishing in Scopus Journals, 2018, 2019, 2020, 2021, and 2022.

Excellence Award in individual scientific research at the AOU-Kuwait, 2021.

MEMBERSHIPS

- Member of the Institute of Electronic, Information and Communication Engineers.
- Member of Asian Council of Science Editors.

RESEARCH PLAN

- I am working on different researches belong to data science, machine learning, the internet of things, and data mining. My work is focussing on the preprocessing engine (data cleaning, feature selection, missing data, normalization) in order to improve the quality of the discovered knowledge. It also includes the improvement of the classification and feature selection algorithms.

PUBLICATIONS

CONFERENCES

- Luai A. Al-Shalabi, Coding and Normalization: The Effect of Accuracy, Simplicity, and Training Time, 2006, RCED'06, Alhussein Bin Talal University, Jordan.
- Faiz AlShrouf and Luai A. Al-Shalabi, Agent Observer Pattern of Auction Business Systems, 2007, ICEI, Malaysia.
- Luai A. Al-Shalabi et al., A New Model for Extracting a Classifactory Knowledge from Large Datasets Using Rough Set Approach, 1999, World Engineering Congress (WEC'99), Kuala Lumpur, Malaysia.
- Luai A. Al-Shalabi et al, Generation of Classification Rules from Large Datasets Using Rough Set Approach, 1999, Information Technology Colloquium (INTEC'99), Department of Computer Science, Universiti Putra Malaysia., Malaysia.
- Luai A. Al-Shalabi et al., Data Mining: An Overview, 1999, World Engineering Congress (WEC'99), Kuala Lumpur, Malaysia.
- Feras T. Dabous, Fethi A. Rabhi, Tariq Al-Naeem and Luai Al Shalabi, Using a Hybrid MADM Approach for the Evaluation of E-Business Architectural Patterns, 2006, CSIT'2006, Applied Science University, Jordan.
- Abdullah Embong and Luai A. Al-Shalabi, An Interpretation Model of Partially Occluded Curved Object Based on Minimum Principle, 1999, World Engineering Congress (WEC'99), Kuala Lumpur, Malaysia.
- Abdullah Embong and Luai A. Al-Shalabi, Interpreting Partial Occlusion in Two-Dimensional Line Drawings of Curved Objects, 1997, Conference on Research and Development in Computer Science and its Applications, (REDECS'97), Penang, Malaysia.

JOURNAL PAPERS

- Luai Al-Shalabi, "New Feature Selection Algorithm Based on Feature Stability and Correlation," in *IEEE Access*, vol. 10, pp. 4699-4713, 2022, doi: 10.1109/ACCESS.2022.3140209.

- Luai Al-Shalabi and Yousra Tahhan, A WGFS Based Approach to Extract Factors Influencing the Marketing of Korean Language in GCC, *Journal of Computing and Information Technology*, 28(3), 2020, pp 165–181. DOI: 10.20532/cit.2020.1004996
- Luai Al-Shalabi, A Data Mining Model for Students' Choice of college Major Based on Rough Set Theory, *Journal of Computer Science*, 15(8), 2019, pp 1150-1160. DOI: 10.3844/jcssp.2019.1150.1160
- Luai Al-Shalabi, Comparative study of Data Mining Classification Techniques for Detection and Prediction of Phishing Websites, *Journal of Computer Science*, 15(3), 2019, pp 384-394. DOI: 10.3844/jcssp.2019.384.394
- Luai Al-Shalabi, Rough Set-Based Reduction of Incomplete Medical Datasets by Reducing the Number of Missing Values, *The International Arab Journal of Information Technology (IAJIT)*, 16(2), 2019.
- Luai Al-Shalabi and Yusra Abu Jaradeh, Children Care System: Controlling the Use of Smart Devices. *Journal of Artificial Intelligence*, 11(1), 2018, ISSN 1994-5450, pp.18-29.
- Luai Al-Shalabi, Online Shopping Adoption Factors in Kuwait Market Based on Data Mining Rough Set Approach, *International Journal of Computer Application*, 180(32), 2018, ISSN: 0975-8887, DOI: 10.5120/ijca2018916832
- Yahia Hasan Jazyah, Luai Al Shalabi, Nourhan Hamdy, Performance Evaluation of Wireless Routing Protocols for MANET, *International Journal of Communications*, 12, 2018, ISSN: 1998-4480, pp. 1-6.
- Luai Al-Shalabi, Perceptions of crime behavior and Relationships: Rough Set Based Approach, *International Journal of Computer Science and Information Security (IJCSIS)*, 15(3), 2017, ISSN 1947-5500, Pittsburgh, PA, USA, pp. 413-420.
- Luai Al-Shalabi, Data Mining Application: Predicting Students' performance of ITC program in the Arab Open University in Kuwait – The blended Learning, *International Journal of Computer Science and Information Security (IJCSIS)*, 14(12), 2016, ISSN 1947-5500, Pittsburgh, PA, USA, pp. 827-833.
- Luai Al-Shalabi, Knowledge Discovery Process: Guidelines for New Researchers, *Journal of Artificial Intelligence*, 4(1): 21-28, 2011, ISSN 1994-5450.
- Luai Al-Shalabi, Improving Accuracy and Coverage of Data Mining Systems that are built from Noisy Datasets: A new Approach, *Journal of Computer Science*, 5(2): 131-135, 2009.
- Ahmad Kayed, Nael Hirzallah, Luai A. Al-Shalabi, and Mohannad Najjar, Building Ontological Relationships: A new approach, *Journal of the American Society for Information Science and Technology*, 59(11):1801–1809, 2008, ISSN: 1532-2882, JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, USA, NJ, 07030, 2008.
- Luai Al-Shalabi et al., Data Mining: A Preprocessing Engine, *Journal of Computer Science*, 2(9): 735-739, 2006.
- Luai A. Al-Shalabi et al., A framework to deal with missing data in data sets, *Journal of Computer Science*, 2(9): 740-745, 2006.

REFERENCES

1. **Prof. Dr. Riyadh Farhan**, Applied Science University, Bahrain, Mobile: 0097366955251. Email: Riyad.alshalabi@asu.edu.bh
2. **Dr. Yahya Jazi**, Associate prof. at Arab Open University, Kuwait Branch, Mobile: 0096598032606. Email: yahia@aou.edu.kw
3. **Dr. Ziad Shaaban**, Associate prof. at University of Tabuk, Tabuk-Kingdom of Saudia Arabia, Mobile: 00966598751536. Email: zshaaban@ut.edu.sa.