

Academic Resume



Mai Fadel

Assistant Professor, Computer Science Department

Contact Information.

Building 61, Room 182, mfadel@kau.edu.sa.

Highest Degree.

2007, Ph.D. in Computer Science, Software Engineering, Exeter University, UK.

Academic and Professional Experiences.

1. **2008 - Present**
Assistant Professor, FCIT, K.A.U..

Research Interests.

Software Engineering and Design Patterns, HPC, Alumni and Job market studies, Cloud Computing.

Teaching Interests.

Web Application Programming, Design Patterns, Data Structure and Algorithms, Software Engineering.

Certifications and Trainings.

1. For two years – between 1997-1999 – I participated as a Graphic Designer using Corel Draw Package. I designed the necessary publishing material for the publishing committee of career day and 30th graduation ceremony of KAU- Girls Section.
2. "The Art and Science of Teaching and Learning" workshop between 17-19/10/2009 organized by Centre of Teaching & Learning Development, KAU.
3. "Academic Leadership of Women in Higher Education" workshop between 6-7/1/2010 organized by Centre of Teaching & Learning Development, KAU.
4. The Art and Science of Teaching and Learning" workshop between 17-19/10/2009 organized by Centre of Teaching & Learning Development.
5. "Strategic Management Skills" workshop in 2/3/2010 organized by Centre of Teaching & Learning Development, KAU.
6. TRIZ: Creative Thinking Strategies (9 Strategies) in 17/6/2010– 6 training hours. The coach was Dr. Saleh Azahrani from De bone Centre for Teaching Thinking, Jeddah.
7. "Effective Personal Productivity" workshop between 3/3/2010-7/4/2010 organized by Leadership Management International, INC. and KAU.
8. Developing Assessment Skills of College Students" workshop between 20-24/3/2010 organized by Academic Department's Development Programs Saudi Universities, Ministry of Higher Education.
9. Creative Thinking and Problem-Solving and Decision-Making" workshops in 15,17,19/5/2010 organized by Centre of Teaching & Learning Development.
10. Effective Motivational Leadership" workshops organized by Centre of Teaching & Learning Development between 13/12/2010-24/1/2011 organized by Leadership Management International, INC. and KAU.
11. Effective Motivational Leadership" workshops organized by Centre of Teaching & Learning Development between 13/12/2010-24/1/2011 organized by Leadership Management International, INC. and KAU.
12. "Program and Course Specifications" workshop between 8-9/11/2008 organized by NCAAA in cooperation with the British Council, Jeddah, Saudi Arabia.

Social, Scientific and Professional Affiliation.

1. -, members, ACM professional and educational membership.

Publications.

1. Nikos Dimitriou, Helen Bakhsh, Mai Fadel, Samar Alkhuraiji, Seham S. Bakhder, Ghadah Aldabbagh, "Tot Networks For Monitoring And Detection Of Leakage In Pipelines", International Journal Of Sensor Networks, vol: 38, pp. 241, 2022.
DOI: [10.1504/IJSNET.2022.10046919](https://doi.org/10.1504/IJSNET.2022.10046919)
2. Haneen Alhomayni, Mai Fadel, Nikos Dimitriou, Helen Bakhsh, Ghadah Aldabbagh, Samar Alkhuraiji, "Multi-Hop Routing Protocols For Oil Pipeline Leak Detection Systems", Electronics, vol: 11, pp. 2078, 2022.
DOI: [10.3390/electronics11132078](https://doi.org/10.3390/electronics11132078)
3. Abrar Alotaibi, Mai Fadel, Amani Jamal, Ghadah Aldabbagh, "Combining Multiple Seismic Attributes Using Convolutional Neural Networks", International Journal Of Advanced Computer Science And Applications, vol: 13, 2022.
DOI: [10.14569/IJACSA.2022.0130207](https://doi.org/10.14569/IJACSA.2022.0130207)
4. Asrar Bajaber, Mai Fadel, Lamiaa Elrefaei, "Evaluation Of Deep Learning Models For Person Authentication Based On Touch Gesture", Computer Systems Science And Engineering, vol: 42, pp. 465-481, 2022.
DOI: [10.32604/csse.2022.022003](https://doi.org/10.32604/csse.2022.022003)
5. Hend Fakhri Nouredin, Mai Fadel, "Rationalizing Resource Utilization In Cloud Computing Using Coalition Formation Strategy", Journal Of Computer Science, vol: 17, pp. 539-555, 2021.
DOI: [10.3844/jcssp.2021.539.555](https://doi.org/10.3844/jcssp.2021.539.555)
6. Abrar Alotaibi, Mai Fadel, Amani Jamal, Ghadah Aldabbagh, "Enhancement Of 3d Seismic Images Using Image Fusion Techniques", International Journal Of Advanced Computer Science And Applications, vol: 12, 2021.
DOI: [10.14569/IJACSA.2021.0120143](https://doi.org/10.14569/IJACSA.2021.0120143)
7. Mai A. Fadel, "Evaluating The Credibility Of Arabic News In Social Media Through The Use Of Advanced Classifier Algorithms", International Journal Of Advanced Trends In Computer Science And Engineering, vol: 9, pp. 6088-6102, 2020.
DOI: [10.30534/ijatcse/2020/280942020](https://doi.org/10.30534/ijatcse/2020/280942020)
8. Mona Salem Al-Kharraz, Lamiaa A. Elrefaei, Mai Ahmed Fadel, "Automated System For Chromosome Karyotyping To Recognize The Most Common Numerical Abnormalities Using Deep Learning", Ieee Access, vol: 8, pp. 157727-157747, 2020.
DOI: [10.1109/ACCESS.2020.3019937](https://doi.org/10.1109/ACCESS.2020.3019937)
9. Hanan A. Nadeem, Hanan Elazhary, Mai A., "Priority-Aware Virtual Machine Selection Algorithm In Dynamic Consolidation", International Journal Of Advanced Computer Science And Applications, vol: 9, 2018.
DOI: [10.14569/IJACSA.2018.091159](https://doi.org/10.14569/IJACSA.2018.091159)
10. Aishah M. Aseeri, Mai A., "A Two-Level Fault-Tolerance Technique For High Performance Computing Applications", International Journal Of Advanced Computer Science And Applications, vol: 9, 2018.
DOI: [10.14569/IJACSA.2018.091207](https://doi.org/10.14569/IJACSA.2018.091207)
11. Mai A. Fadel, Lamiaa A. Elrefaei, "Adjustments Of Methodology Planning And Assessment Activities Of Senior Projects In The Computer Science Program", International Journal Of Modern Education And Computer Science, vol: 10, pp. 16-25, 2018.
DOI: [10.5815/ijmecs.2018.02.02](https://doi.org/10.5815/ijmecs.2018.02.02)
12. Suhelah Mohammed Sandokji, Mai Fadel, Fathy Essa, "Asertn: A Dynamic Testing Tool For Java Based Software Agent", Pensee Journal, 2014.
13. Fathy E. Eassa, Ahmed Ezz, Leon J. Osterweil, Mai A Fadel, "Tgaf: Testing Of Generic Agent Framework", Pensee Journal, 2014.