

ABDULLAH A. AL-SHAHER

ASSOCIATE PROFESSOR

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CAREER SUMMARY

ASSOCIATE PROFESSOR

COMPUTER DEPARTMENT (MAY 2022 – PRESENT)

I joined the department of computer science and information systems in the capacity of associate professor prior to receiving my Ph.D. from the university of York, Yorkshire, United Kingdom on May 2005. I have taken multiple subject class such as programming in Java, Computer Concepts, Advanced Programming, System Analysis, and introduction to Database. I have managed several seminars in Cyber Security, Artificial Intelligence, Digital Transformation, and Big Data for both gender (male, female). I have supervised and took the training of many courses such as photoshop, e-government, E-Management, Microsoft Access, Microsoft Office, Ms Teams, and Microsoft outlook.

KEY ACHIEVEMENTS

- Increase awareness for the government sector on the importance of digital transformation.
- Provide framework guidelines for research proposals conducted by departmental staff.
- Encourage student on using enhanced E-Learning resources for homework submitting, chatting, and knowledge evaluation.
- Chair of the Research and conferences Committee.
- Played a key role in contributing to the awareness of Artificial intelligence applications for helping students in their work findings.

ASSISTANT PROFESSOR

COMPUTER DEPARTMENT (JUN 2005 – APRIL 2022)

I have provided a major labour market study to conduct a scientific associate degree curriculum for the department of computer science, and a bachelor's degree curricula. I was elected to be a board member of the Kuwait Society for Information Technology from 2010-2012. I took the role of lead organizer for the Kuwait Internet Governance Conference in Kuwait on 2012 under the supervision of the United Nations, and the Arab League Nations. I gained the experience in taking several training courses such as Adobe Illustrator, Adobe Flash, Adobe Macromedia, E-Learning Moodle platform, and online Zoom meeting.

KEY ACHIEVEMENTS

- Designing a bachelor's 4-year degree promoting student to complete studies in Information Technology curricula.
- Chair of the Computer Activity committee for public high-school education to stimulate student bringing their ideas to reality.
- Research collaboration with colleagues and support staff to conduct research benefits the department.
- Chair of the curriculum committee.
- Chair of the staff promotion committee.
- Chair of Computer Science and Information System department.
- Chair of the Scholarship committee.
- Kuwait Information Technology Society board member 2010-2012.

- Published many conference papers in the field of Signal and Image Processing in Switzerland, Italy, Dubai, and United states of America.
- Published many articles in Artificial Intelligence in various cited major journals.
- Participated a major role in E-Learning Technology covering students and teachers and administrative personnel during the covid 19 crisis.

INSTRUCTOR

COMPUTER DEPARTMENT (AUGUST 1995 – OCTOBER 1999)

I have joined the department of Computing in August 1995 as a lecturer teaching a variety of subjects such as System analysis, Programming in Pascal, Programming with Cobol, advanced programming, and Databases. I have joined a series of committees such as Enrolment, Scheduling, Training, Laboratory, and Community Services. During the time, multiple seminars were organized covering topics Y2K, Windows 95, Microprocessor, and Internet Technologies.

KEY ACHIEVEMENTS

- Playing major role in designing the college of business studies website and uploading related information regarding student graduation requirements, registration, rules, regulation, and staff information.
- Participating in Community services as a lecturer of many electronic technologies and software to increase the importance and awareness of using updated technologies.
- Providing supervision for students during courses registration and giving appropriate recommendations.
- Played a key role in establishing a smart laboratory by providing software and hardware tools to help teaching assistance.

EDUCATION

PHD, COMPUTER SCIENCE - ARTIFICIAL INTELLIGENCE

UNIVERSITY OF YORK (1999-2005)

MS COMPUTER SCIENCE (MERIT, HONOR LIST)

UNIVERSITY OF DENVER (1993-1995)

BS COMPUTER SCIENCE

HUSTON-TILLOTSON UNIVERSITY (1982-1987)

PUBLICATIONS

- Abdullah A. Al-Shaher and Edwin R. Hancock, "Linear Shape Recognition with Mixture of Point Distribution Models", SSPR 2002, Windsor Canada, Pages: 205-215, 2002.
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Fast On-Line Learning of Point distribution Models", 16th ICPR, Quebec City, Canada, Pages: 208-211, 2002.
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Arabic Character Recognition with Shape Mixtures", 13th BMVC, Cardiff, United Kingdom, Pages: 497-506. 2002.
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Arabic Character Recognition using Structural Shape Decomposition", CAIP, Groningen, Netherlands, Pages: 478-486, 2003.
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Learning Mixtures of Point distribution Models with the EM algorithm", Pattern Recognition, Vol. 36, Pages: 2805-2818, 2003.
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Modelling Human Shape with Articulated Shape Mixtures", SSPR 2004, Lisbon, Portugal, Pages: 304-314, 2004.

- Abdullah A. Al-Shaher and Edwin R. Hancock, "A Probabilistic Framework for Articulated Shape Recognition", 3rd AMDM, Palma de Mallorca, Pages: 62-75, Spain, 2004.
- Abdullah A. Al-Shaher and Edwin R. Hancock, "A Hierarchical Framework for Shape Recognition using Shape Mixtures", ICIAR, Pages: 335-343, Porto, Portugal, 2004
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Articulated Shape Mixtures for Object Recognition", BMVC, Kingston University, United Kingdom, Pages 287-296, 2004
- Abdullah A. Al-Shaher and Edwin R. Hancock. "A Probabilistic Framework for Shape Recognition". International Conference on Recent Advances in Computer Science and Engineering. UAE. PP: 28-34, 2017. ISSN: 978-93-86291-88-2
- Abdullah A. Al-Shaher, Edwin R. Hancock, "Arabic Handwritten Character Recognition Using Structural Shape Decomposition", International Journal on Signal and Image Processing. Vol: 8, No:2, PP: 1-12, 2017. ISSN:0976-710X
- Abdullah A. Al-Shaher and Edwin R. Hancock, "A Probabilistic Framework for Shape Recognition", International Journal of Advance Computational Engineering and Networking, Vol: 5, No:7, PP 8-14, 2017. ISSN 2320-2106
- Abdullah A. Al-Shaher and Edwin R. Hancock, "Handwritten Character Recognition using Structural Shape Decomposition", Fourth International Conference on Signal and Image Processing, Geneva, Switzerland, PP39-47, 2017, ISSN: 2231-5403
- Abdullah A. AlShaher. "Arabic Character Recognition using Regression Curves with the Expectation Maximization Algorithm". International Conference on Imaging and Signal Processing, Rome, Italy, PP 643-647, 2019. ISSN: 2261-236X
- Abdullah A. AlShaher, "Learning Regression Curves for Arabic Character Recognition". 6th International Conference on Artificial Intelligence and Application. Volume 9, Number 2, February 2019 Dubai, UAE.
- Abdullah A. AlShaher. "Mixtures of Trained Regression Curves Models for Handwritten Arabic Character Recognition", International Journal of Artificial Intelligence and Applications, Volume 10, No. 3, PP: 49-58, May 2019. ISSN: 0975-900X.
- Abdullah A. AlShaher. "Shape Recognition using Regression Curves with the EM Algorithm ". International Conference on Computer and Computing Science. January 2019. Volume 1, PP: 01-07, London United Kingdom. ISSN: 978-93-88122-04-7.
- Abdullah A. AlShaher, "Arabic Character Recognition using Regression Curves with the Expectation Maximization Algorithm". International Journal of Computer and Information Engineering. Volume 12, No. 12, PP: 1087 – 1091, December 2018. ISSN: 091950263.
- Mohammed N. Alenezi, Haneen alabdulrazzaq, Abdullah A. Al-Shaher, Mubarak M. AlKharang, "Evolution of Malware Threats and Techniques: A Review". International Journal of Communication Networks and Information Security. Volume 12, No. 3, December 2020. ISSN: 2073-607X, 20760930
- Ahmed Al-Hunaiyyan, Rana AlHajri, Bareeq AlGhannam, Abdullah A. Al-Shaher, " Student Information System: Investigating User Experience (UX), International Journal of Advanced Computer Science and Applications. Volume 12, No. 2, 2021. ISSN: 2156-5570
- Ahmed Al-Hunaiyyan, Rana AlHajri, Bareeq AlGhannam, Abdullah A. Al-Shaher, " Gender Differences in the Perception of Student Information System. International Journal of Advanced Computer Science and Applications. Volume 12, No. 2, 2021. ISSN: 2156-5570

COMMUNITY

Being a leader in community services leader (1996-1998), I have managed many community services seminars and courses in Information Technology, Microsoft Office applications, Operating Systems, and Time, Project Management. Played a key role in organization chair for the Kuwait First Internet Governance conference in 2012 that covers many topics and full session of youth aspirations. Played a key role in providing a platform to attract members of the Kuwait Information Technology Society Board member working in groups of interest. In 2012 establishing a community group for youth robot design and programming.