



AHMAD FADEL KLAIB

**Director of ELearning and Open Educational Resources Center
Associate Professor, Information Systems Department
Faculty of Information Technology and Computer Sciences**

Yarmouk University, 21163, Irbid, Jordan

Tel: 027211111 Ext: 2762

Mobile: 00962 (0) 777791914

Email: ahmad.klaib@yu.edu.jo

EDUCATION/ CERTIFICATES

- 1/4/ 2015** **University of Huddersfield, Huddersfield, UK.**
PhD, Computer Sciences and Information Systems, School of Computing and Engineering.
Thesis Title: “Exact String-Matching Algorithms for Searching DNA and Protein Sequences and Searching Chemical Databases”.
Supervisor: Dr. Hugh Osborne
- 16/08/2007** **University Sciences Malaysia, Pulau Pinang, Malaysia.**
MSc. Computer Sciences
Grade A – (3.8/4).
- 28/06/2005** **University of Al Al-Bayt, Al Mafraq, Jordan.**
BSc. IT-Computer Information Systems
Very Good

- 2021 Ministry of Higher Education and Scientific Research, UNHCR Agency**
Trainer in the “Instructional Design for E-Learning” training workshop. Dec. 6th, 2021, to Dec. 9th, 2021.
- 2021 Queen Rania Teacher Academy, Jordan.**
Effective eLearning design Training. Jun. 13th, 2021, to Jul. 11th, 2021.
- 2021 Ministry of Higher Education and Scientific Research, Jordan.**
Trainer for Jordanian Universities and Colleges about blended learning, assessment, online tools, and interactive teaching. Mar. 21st, 2021, to Apr. 28th, 2021.
- 2020 Ministry of Higher Education and Scientific Research, UNESCO-GIZ project**
Master Trainer Capacity development program on eLearning. Nov. 8th, 2020, to Dec. 16th, 2020.
- 2020-2021 Yarmouk University, Irbid, Jordan.**
eLearning, IS, Open Resources Training.
- 2019 Jordanian Engineers Association, Jordan**
IoT Training, International Engineering Conference.
- 2018 Universidad de Castilla-La Mancha, Spain**
Erasmus+ teaching staff mobility exchange program
- 2018 Universidad de Castilla-La Mancha, Spain**
Erasmus+ teaching staff mobility exchange program
- 2018 Samsung Lab, Jordan University, Amman, Jordan**
IoT Training course
- 2016 Excellence Training Center, Amman, Jordan.**
Oracle 12g (SQL, PL/SQL, Forms and Reports)
- 2006 IT-DEV Computer Solutions, Amman, Jordan.**
Developing and Implementing Web-based Applications
- 2006 IT-DEV Computer Solutions, Amman, Jordan.**
Developing and Implementing Windows-based Applications

2005 **UNESCO Cairo Office, Amman, Jordan.**
International Computer Driving License

EMPLOYMENT/ WORK EXPERIENCE

- **July 2021 - Present** Associate Professor - Information Systems Department, Faculty of Information Technology and Computer Sciences, Yarmouk University, Irbid, Jordan.
- **September 2020 - Present** Director of e-Learning and Open Educational Resources Center, Yarmouk University, Irbid, Jordan.
- **September 2019 - 2020** Assistant of Dean - College of Information Technology and Computer Sciences, Yarmouk University, Irbid, Jordan.
- **September 2016 - 2021** Assistant Professor - Information Systems Department, Faculty of Information Technology and Computer Sciences, Yarmouk University, Irbid, Jordan.
- **August 2012 – June 2016** Lecturer and Head of Computer Sciences and Information Department, Taibah University, Al Ula, Madinah, Saudi Arabia.
- **July 2012 – August 2012 (Summer Course)** GCSE Math Teaching Assistant, University of Huddersfield, Huddersfield, UK.
- **June 2011 – August 2011 (Summer Course)** GCSE Math Teaching Assistant, University of Huddersfield, Huddersfield, UK.
- **December 2008 – May 2011 (Part Time)** IT - Help Desk, Huddersfield Royal Infirmary Hospital, Huddersfield, UK.
- **June 2007 – August 2008 (Full Time)** Research Fellow, Computer Sciences Department, University Sciences Malaysia, Malaysia
 - Project Title: “A Portal of Integrated Molecular Database of Antimicrobial Components from Natural Resources”. Developing the portal using PHP, MySQL, HTML and JavaScript.

- **September 2005 – June 2006 (Full Time)** University Lecturer, Al Balqa' Applied University, Amman, Jordan.
- **September 2001 – June 2005 (Part Time)** Computer Maintenance Technician, PCS Computer Services Center, Amman, Jordan.

Research Projects

- **Ahmad F. Klaib, Samer Samara, Nawaf Alsrehin and Aws Magableh.** "IoT Smart Home using Eye Tracking and Voice Interface for Disabled People". Supported by the Faculty of Scientific Research and Graduate Studies, Yarmouk University, Jordan under grant number 2017/48.
- **Nawaf Alsrehin, Ahmad F. Klaib and Aws Magableh.** "Traffic Management System Using Internet of Things (IoT)". Supported by the Faculty of Scientific Research and Graduate Studies, Yarmouk University, Jordan under grant number 2018/10.
- **Ayat Nashwan, Ahmad Klaib, Moayed Meqdady, Ibtesam Rababah, Moawyah Khatatbeh.** "Neurodevelopmental Care for Refugees [NeuCARE]". European Union, Erasmus+ program, Capacity Building in higher education - Joint Projects.

Winning Prizes

- **Supervise Jordanian Team includes three university students and won the 2nd Position of Regional Huawei ICT Competition, with 62 different countries held in China, May 2023.**
- **Supervise Jordanian Team includes three university students and won the 1st Position of Regional Huawei ICT Competition, with 15 different countries held in Oman, December 2022.**
- **Supervise Yarmouk University students and won the 1st Position of Jordanian Huawei ICT Competition, with more than 500 different students from different Jordanian Universities, Jordan, October 2022.**
- **Supervise three students from two universities and won the 1st Position of Crown Prince Hussain for the best government services application with prize amount USD70500.**

- Supervise three students from Yarmouk University in the International Collegiate Programming Contest (ACM Competition) and won the 2nd position over Jordanian Universities and then join the International Competition in Egypt 2019.
- Supervise three students from Yarmouk University in IoT Hackathon Competition/ IoT Innovation Day “The Tank” organized by UMNIAH telecommunication Company in Jordan and won the 3rd Prize.
- Supervise three students from Yarmouk University in providing an IoT medical solution for disabled and elderly people and it is selected to be presented in the 11th Annual Undergraduate Research Innovation on Applied Computing, Dubai, UAE, April 17-18, 2019.

Thesis Supervisor and Examiner

- **Al Jarrah, Batool Maher.** Smart Exact String-Matching Algorithms Tool for Searching Natural Text and Biological Data. Yarmouk University, 2020 (**Main Supervisor: Dr. Ahmad Klaib**)
- **Almakhadmeh, Muhannad Abdel-Qader.** Using Video Oculography Technique and Neural Networks to Detect Strabismus. Yarmouk University, 2021 (**Main Supervisor: Dr. Ahmad Klaib**)
- **Khasawneh, Rama Mahmoud.** AI-Based Hybrid Model for Detecting Covid-19. Yarmouk University, 2022 (**Main Supervisor: Dr. Ahmad Klaib**)
- **Alshami, Rawan Wael.** Predicting Outcomes of Organic Reactions for Large Drug-Like Compounds Using a Fragment-Based Method. (Started on May 2023). (**Main Supervisor: Dr. Ahmad Klaib**)
- **Esraa Mohammed Al-Dhemesh.** “Fake News Detection using Deep and Machine Learning Algorithms”. 2021 (**Examiner**).
- **Bashar AlShouha.** Deep Learning-based model for Prediction of the Survival of Breast Cancer Patients. 2021 (**Examiner**).

- **Yasmeen Khasawneh.** A full Reference Objective Model for Assessing the Video Motion Quality, 2020 (**Examiner**).
- Marwa Al Omari. Modeling Generalization Hierarchies in the Relational Model and its Impact on Database Performance, 2020 (**Examiner**).
- Leena Obidat. Feature Selection Technique using Genetic Algorithm for Human Activity Recognition, 2019 (**Examiner**).
- Yousef Shatnawi. Particle Swarm Algorithm Enhanced Version and Application for Multiple Sequence Alignment, 2019 (**Examiner**).

Publications

- **Ahmad F. Klaib, Nawaf Alsrehin, Wasen Melhem, Haneen Bashtawi, Aws Magableh.** (2020). Eye Tracking Algorithms, Techniques, Tools, and Applications with an Emphasis on Machine Learning and Internet of Things Technologies. *Expert Systems with Applications*, 114037 (166), pp. 1–24.
- **Ahmad F. Klaib, Nawaf Alsrehin, Wasen Melhem and Haneen Bashtawi.** "IoT Smart Home using Eye Tracking and Voice Interfaces for Elderly and Special Needs People". *Journal of Communications*, 2019, Vol. 14, No. 7, pp. 1–8.
- **Ahmad F. Klaib and Maryam Nuser.** "Evaluating EHR and Health Care in Jordan According to the International Health Metrics Network (HMN) Framework and Standards: A Case Study of Hakeem". *IEEE Access*, 2019, Vol. 0 No. 0 pp. 1-9.
- **Ahmad F. Klaib, Qusai Abu Shehab and Ibrahim Alyasin.** "3D Hand to Translate the Written Text and Voice Commands into Sign Language using IoT Technology". *The 11th Annual Undergraduate Research Conference on Applied Computing (URC 2019)*. 2019. Zayed University, Dubai Campus.

- **Aws Magableh, Mohanad Almakhadmeh, Nawaf Alsrehin, Ahmad Klaib.** “Smart Traffic Light Management Systems: A Systematic Literature Review”. *International Journal of Technology Diffusion (IJTD)* 11, no. 3 (2020): 22-47.
- **Nawaf Alsrehin, Ahmad F. Klaib and Aws Magableh.** "Intelligent Transportation and Control Systems Using Data Mining and Machine Learning Techniques: A Comprehensive Study". *IEEE Access*, 2019, Vol. 7 No. 1 pp. 49830-49857.
- **Anas AlSobeh, Ahmad F. Klaib and Ahlam AlYahya.** "A national framework for e-health data collection in Jordan with current practices." *International Journal of Computer Applications in Technology*. Vol. 59, No. 1, 2019, pp. 64-73.
- **Nawaf O. Alsrehin and Ahmad F. Klaib.** VMQ: An Algorithm for Measuring the Video Motion Quality. *Bulletin of Electrical Engineering and Informatics*. 2019, Vol.8, No. 1, pp. 1-11.
- **Abed-alguni, Bilal H., and Ahmad F. Klaib.** "Hybrid Whale Optimization and β -hill Climbing Algorithm for Continuous Optimization Problems". *International Journal of Computing Science and Mathematics*, 2019, Vol. x, No. x, pp. 1–13.
- **Abed-alguni, Bilal H., and Ahmad F. Klaib.** "Island-based whale optimization algorithm for continuous optimization problems". *International Journal of Reasoning-based Intelligent Systems*, 2019, Vol. x, No. x, pp. 1–12.
- **Ahmad F. Klaib, Rashed Omar, Qusai Abu Shehab, Ibrahim Alnimrawi and Khaled Alabweh.** "IoT Smart Home for Disabled People ". *The 10th Annual Undergraduate Research Conference on Applied Computing (URC 2018)*. 2018. Zayed University, Dubai Campus.
- **Magableh, A.A., Alsobeh, A.M.R., Klaib, A.F.** "An evaluation of the usage of aspect orientation and the gap between academic research and industry needs". *Journal of Theoretical and Applied Information Technology*, 2019, Vol. x, No. x, pp. 1–12.

- **Nawaf Alsrehin and Ahmad F. Klaib.** An Algorithm for Measuring the Video Motion Quality based on Frame Rate Reduction. 2nd International Computer Sciences and Informatics Conference (ICSIC 2017), Amman, Jordan, 23-24 September 2017.
- **Ahmad F. Klaib,** Wahidah Husain and Zurinahni Zainol. Searching Similar Antimicrobial Structures Using Quick Search and Horspool Algorithms. International Journal: System and Information Sciences Notes. ISSN 1753-2310, Jul 2008. Glasgow, UK.
- **Ahmad F. Klaib** and Hugh Osborne. Searching Protein Sequence Database Using BRBMH Matching Algorithm. International Journal of Computer Science and Network Security (IJCSNS). ISSN: 1738-7906, 2008, Vol. 8, No. 12, pp. 410-414.
- **Ahmad F. Klaib,** Zurinahni Zainol, Nurul Hashimah Ahamed, Rosma Ahmad, and Wahidah Husain. Application of Exact String Matching Algorithms towards SMILES Representation of Chemical Structures. International Journal of Computer and Information Science and Engineering. Vol. 1, 2007, pp.235-239. Germany.
- **Ahmad F. Klaib** and Hugh Osborne. OE Matching Algorithm for Searching Biological Sequences. International Conference on Bioinformatics, Computational Biology, Genomics and Chemoinformatics (BCBGC-09), Orlando, Florida, USA, 13-16 July 2009, pp. 36-42.
- **Ahmad F. Klaib** and Hugh Osborne. Exact String Matching Algorithms for Searching Biological Sequence Databases. Poster in the 3rd Saudi International Conference (SIC-2009), Surrey University, Guildford, UK. 4-6 June 2009.
- **Ahmad F. Klaib** and Hugh Osborne. BRQS Matching Algorithm for Searching Protein Sequence Databases. In 2009 IEEE Proc. International Conference of Future Computer and Communication (ICFCC 2009), Kuala Lumpur, Malaysia. ISBN: 978-0-7695-3591-3, pp. 223-227.
- **Ahmad F. Klaib** and Hugh Osborne. A New String Matching Algorithm for Searching Biological Sequences. In 2009 Conference Proc. International Conference on Information and Communication Systems (ICICS 2009), Amman, Jordan.

- **Ahmad F. Klaib** and Hugh Osborne. RSMA Matching Algorithm for Searching Biological Sequences. In 2009 IEEE Proc. 6th International Conference on Innovations in Information Technology (Innovations'09), Alain, UAE.

Elearning Workshop and Training

- October 24th, 2022 – January 16th, 2023. Blended Learning in (Dual) Higher Education Course, offered by the GIZ moveHET project implemented by GFA Consulting Group GmbH. It covers Characteristics and applications of eLearning blended learning and virtual learning, Collaborative online learning, Barrier-free aspects of digital learning and Increasing interactivity and learner-centered methods using digital elements.
- December 6th, 2021 – December 9th, 2021. Instructional Design for Elearning (IDEL) Training Course, organized by UNHCR and the Ministry of Higher Education and Scientific Research (MoHESR), Amman, Jordan.
- August 18th, 2021 – September 5th, 2021. Capacity Building: Digital Experiential Teaching and Learning” organized by the British Council and the Ministry of Higher Education and Scientific Research (MoHESR), Amman, Jordan.
- June 20th, 2021 – July 10th, 2021. Design Interactive Online Teaching, organized by the Queen Rania Teacher Academy and the Ministry of Higher Education and Scientific Research (MoHESR), Amman, Jordan.
- November 8th, 2020 – December 16th, 2020. Master Trainer Certificate, the master trainer capacity development program on e-learning, organized in partnership with the Ministry of Higher Education and Scientific Research (MoHESR) with the UNESCO-GIZ project “Strengthening National Capacities to Develop and Deliver Quality E-learning in Higher Education Institutions in Jordan”.

Conferences and Training Attendance:

- July 3, 2012. FREE CPD WORKSHOP for all teachers and trainers in the FE and Skills Sector - 'The Future of Our Profession'. University of Huddersfield, UK.
- June 29, 2012. Consortium Annual Conference in association with HEA Seminar Series 2011-12. University of Huddersfield, UK.
- February 3, 2012. Teacher Training and Technologies Conference 2012. University of Huddersfield, UK.
- November 11, 2011. Equality and Diversity Conference - 'Diversity is What we have in Common'. University of Huddersfield, UK.
- December 3, 2010. Annual Researchers' Conference (CEARC'10), University of Huddersfield, UK.
- May 28, 2010, Evaluating Learning and Teaching, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 27, 2010, Introduction to Supporting Disabled Students, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 27, 2010, Student Assessment and Feedback, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 26, 2010, Designing Learning Activities, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 26, 2010, Introduction to Lecturing and Teaching Large Groups, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 25, 2010, Developing Effective Presentation Skills, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 24, 2010, Introduction to Learning and Teaching, Staff Development Program (TAPP), University of Huddersfield, UK.
- May 24, 2010, Introduction to Small Group Teaching, Staff Development Program (TAPP), University of Huddersfield, UK.

- March 12, 2010. Research festival 2010, School of Computing and Engineering. University of Huddersfield, UK.
- December 22, 2009. Modeling and Data Mining with Bayesian Networks. New York Institute of Technology, Amman, Jordan.
- June 22-24, 2009. The 20th Annual Symposium on Combinatorial Pattern Matching. University of Lille, Lille, France.
- June 4, 2009. Leadership through goal settings. Delivered by LMI Training Company, Surrey University, Guildford, UK.
- November 28, 2008. Annual Researchers Conference 2008. University of Huddersfield, Huddersfield, UK.

Workshop Attendance:

- **March 10, 2015** Scientific Research Publications and Challenges Workshop, Taibah University, Al-Ula, Madinah.
- **February 17, 2015** The Quality Standards of Educational Process Workshop, Taibah University, Al-Ula, Madinah.
- **December 10-15, 2007** Statistical Technique Workshop, Institute of Graduate Studies, USM, Malaysia.
- **November 21-22, 2007** Scientific Writing Workshop, Institute of Graduate Studies, USM, Malaysia.
- **November 19-20, 2007** Methodology Workshop, Institute of Graduate Studies, USM, Malaysia.

Conferences and Training Organizing:

- October 13-14, 2015. A Course Trainer: 'Professional Writing using Microsoft Word'. Was given to Taibah University Staff – Al Ula Branch.
- January 24-28, 2016. A Course Trainer: 'Computer Maintenance from A to Z'. Was given to Taibah University Staff – Al Ula Branch.
- June 25-26, 2008 Organizer of Computer Sciences Postgraduate Colloquium08, USM, Malaysia.
- June 6, 2008 Organizer of Bioinformatics Software Training, USM, Malaysia.

MEMBERSHIP

- **March 2007- August 2008** Member of the School of Computer Sciences Society, USM, Malaysia.
- **December 2006 – August 2008** President of the International Students Hostel, USM, Malaysia.

LANGUAGES

- Arabic (Excellent)
- English (Excellent)

REFEREES

- 1- Name:** Dr. Hugh Osborne
Position: PhD Supervisor
Address: Informatics department, school of computing and engineering,
University of Huddersfield, UK.
Telephone No.: 00441484471846
Email: h.r.osborne@hud.ac.uk
- 2- Name:** Prof. Samer Samara
Position: Dean
Address: Faculty of Information Technology and Computer Science, Yarmouk
University, Irbid, Jordan
Telephone No.: 00962775683294
Email: samers@yu.edu.jo
- 3- Name:** Prof. Mohammed Al-Zamil
Position: Director of Computer Center
Address: Faculty of Information Technology and Computer Science, Yarmouk
University, Irbid, Jordan
Telephone No.: 00962777260802
Email: mohammedz@yu.edu.jo