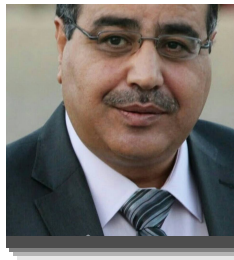


Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

Personal Information

NATIONALITY	Jordanian
SEX	Male
MARITAL STATUS	Married
DATE OF BIRTH	10/11/1964
PLACE OF BIRTH	Irbid - Jordan
CONTACT NO.	+962 796010074
EMAIL	muaidi1964@gmail.com alserhan@bau.edu.jo

Academic Qualifications

DEGREE	PhD in Artificial Intelligence and Software Engineering
DEGREE AWARDED	2005 - 2008
INSTITUTION	De Montfort University, Leicester, U.K.
THESIS TITLE	Extraction of Arabic Word Roots. An Approach Based on Computational Model and Multi-Backpropagation Neural Networks.

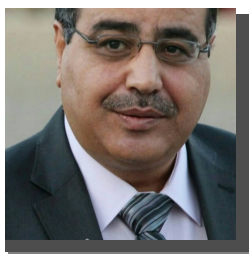
DEGREE	M.Sc. (with honors) in Computer and Information Science
DEGREE AWARDED	2002 - 2003
INSTITUTION	Yarmouk University, Jordan
G.P.A	92.0 %.

DEGREE	B.Sc. (with honors) in Computer Science
DEGREE AWARDED	1983 - 1987
INSTITUTION	Yarmouk University, Jordan
G.P.A	80.6 %.

DEGREE	Secondary School Certificate (Scientific Stream)
DEGREE AWARDED	1983
INSTITUTION	Irbid Secondary School Ministry of Education - Jordan
G.P.A	86.4 %.

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

Other Qualifications

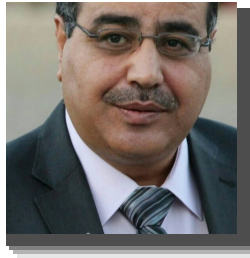
- 2017** Certified in Microsoft Technology Associate : Database Fundamentals.
- 2001** ICDL Certificate, UNSECO Cairo Office, Cairo, Egypt.
- 1994** One-Year course in “Professional Training for University Graduate Teachers of Computer in the Preparatory Cycle”, UNESCO Institute of Education.

Academic Positions

- 2017 - PRESENT** Associate Professor, Dept. of IT, Al-Huson University College, Al Balqa Applied University.
- SEVERAL PERIODS** Acting President of Ajloun National University.
- 2015 - 2017** Dean, Faculty of Information Technology, Ajloun National University.
- 2015 - 2017** Dean, Faculty of Science, Ajloun National University.
- 2015 - 2017** Chairman of Software Engineering Dept., Faculty of Information Technology, Ajloun National University.
- 2013 - 2015** Vice Dean, Prince Abdullah Bin Ghazi Faculty of IT, Al Balqa Applied University.
- 2014 - 2015** Associate Professor, Dept. of CS, Prince Abdullah Bin Ghazi Faculty of IT, Al Balqa Applied University.
- 2012 - 2013** Chairman of the Dept. of CS, Prince Abdullah Bin Ghazi Faculty of IT, Al Balqa Applied University.
- 2009 - 2014** Assistant Professor, Dept. of CS, Al Balqa Applied University.
- 2008 - 2009** Full Time Lecturer, Dept. of CS, Al Balqa Applied University.
- 2002 - 2005** Computer Instructor, Dept. of CS, Al Balqa Applied University.
- 2003 - 2005** Chairman Assistant, Dept of IT, Al Balqa Applied University.
- 1992 - 2002** Computer Teacher, UNRWA, Jordan.
- 1990 - 1992** Teaching Assistant (TA), Jordan University of Science and Technology.
- 1988 - 1990** Programmer and Computer Instructor, Air Defense School, Royal Jordanian Air Force.

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

Part-Time Lecturer

- 2003** Computer Science Dept., Yarmouk University
- 2011 - 2012** Assistant Professor, Dept. of CS, Faculty of Computer Engineering and Informatics, Syrian Private University.
- 1992** IT Dept, Ibn Khaldoon College.
- 1990** IT Dept, Granada College.

University Councils and Committees

- Chairman of the Study Schedule Committee, IT Department, Al-Huson University College, AlBalqa Applied University.
- Chairman of the Hiring and Promotion Committee, IT Department, Al-Huson University College, AlBalqa Applied University.
- Chairman of the Scientific Research Committee, IT Department, Al-Huson University College, AlBalqa Applied University.
- Member of Faculty Council, Al-Huson University College, AlBalqa Applied University.
- Member of the University Council, Ajloun National University.
- Member of the Dean's Council, Ajloun National University.
- Member of the Hiring and Promotion Committee, Ajloun National University.
- Member of the Scholarships Committee, Ajloun National University.
- Member of the Scientific Research Committee, Ajloun National University.
- Member of High Studies Committee, Ajloun National University.
- Member of Higher Quality Assurance Committee, Ajloun National University.
- Member of Accreditation and Validation Committee, Ajloun National University.
- Member of Curriculum and Quality Education Committee, Ajloun National University.
- Member of Strategic Plans Committee, Ajloun National University.
- Member of Student Academic Problems Committee, Ajloun National University.
- Member of the Central Supplies Committee, Ajloun National University.

Contact No. : +962 796010074
Email : muaidi1964@gmail.com
alserhan@bau.edu.jo

Associate Professor of
AI and SE
Department of
Information
Technology



DR. HASAN MUAIDI AL-SERHAN

C.V.

- Chairman of the Staff Recruitment Committee, Ajloun National University.
- Chairman of Computer Center Council, Ajloun National University.
- Chairman of Faculty Council, Ajloun National University.
- Chairman of SE Dept. Council, Ajloun National University.
- Member of the Study Schedule Committee. AlBalqa Applied University.
- Member of Comprehensive Exam Committee for Master Students. AlBalqa Applied University.
- Member of High Studies Committee. AlBalqa Applied University.
- Chairman of High Studies Committee. AlBalqa Applied University.
- Steering Committee Member of the 7th National Technology Parade (Yarmouk University). 2014
- Steering Committee Member of the 8th National Technology Parade (Jordan University). 2015

Teaching Experience (B.Sc. Level)

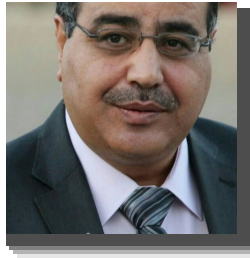
- Neural Networks.
- Genetic Algorithms.
- Machine Learning.
- Expert Systems.
- Numerical Analysis.
- Discrete Mathematics.
- Operating Systems.
- C++ Programming Language.
- Java Programming Language.
- Logic Design.
- Artificial Intelligence.
- Operations Research.
- Object Oriented Analysis & Design.
- Computation Theory.
- Compiler Design.
- Algorithms Design and Analysis.
- Algorithms Theory (1).
- Algorithms Theory (2).
- Software Engineering.
- Advanced Artificial Intelligence.
- Data Structure.
- Web Design (PHP, Java Script, JQuery).

Contact No. : +962
796010074

Email :
muaidi1964@gmail.com
alserhan@bau.edu.jo

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

Teaching Experience (MSc. Level)

- Advanced Algorithms.
- Advanced Artificial Intelligence.
- Advanced Topics in Computer Science.

Awards & Honers

- | | |
|--------------------|--|
| 1983 - 1987 | Dean's Honor List, Yarmouk University. |
| 1997 | A letter of appreciation from Prince Al-Hasan Bin Talal. |
| 2000 - 2002 | Dean's Honor List, Yarmouk University. |
| 2005 - 2008 | A scholarship from AlBalqa Applied University to obtain a Ph.D. degree in Computer Science from De Montfort University, U.K. |
| 2011 | I have been listed in Marquis Who's Who in the World, 28th Edition. |

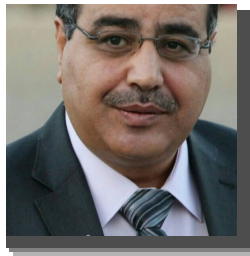
Publications

- 1 R. Al Shalabi, G. Kannan, Al-Serhan, H. M (2003) "New Approach For Extracting Arabic Roots", Proceedings of "The 2003 Arab conference on Information Technology (ACIT'2003)", Alexandria, Egypt, Dec. 2003, pp. 42-59.
- 2 Al-Serhan, H. M. and A. S. Ayesh (2006). "A Triliteral Word Roots Extraction Using Neural Network for Arabic". IEEE International Conference on Computer Engineering and Systems (ICCES'06), 436-439, Cairo, EGYPT.
- 3 Al-Serhan, H. M. and A. S. Ayesh (2006). "An Application of Neural Network for Extracting Arabic Word Roots". WSEAS TRANSACTIONS on COMPUTERS 5(11) : 2623-2627. The Journal is indexed by SCOPUS (ELSEVIER) H-Index=11
- 4 Al-Serhan, H. M. and A. S. Ayesh (2007). "Extraction Arabic Word Roots Using Neural Network". In the 2nd Jordan International Conference on Computer Science & Engineering (JICCS'E06), 112-116, Amman, JORDAN.
- 5 Al-Serhan, H. M., S. K. Alqrainy and A. S. Ayesh (2008). "Is Paice Method Suitable For Evaluating Arabic Stemming Algorithms?" IEEE International Conference on Computer Engineering and Systems (ICCES'08), 131-135, Cairo, EGYPT.
- 6 S. K. Alqrainy, Al-Serhan, H. M., and A. S. Ayesh (2008). "Pattern-based Algorithm for Part-of-Speech Tagging Arabic Text". IEEE International Conference on Computer Engineering and Systems (ICCES'08), 119-124, Cairo, EGYPT.

Contact No. : +962 796010074
Email : muaidi1964@gmail.com
alsерhan@bau.edu.jo

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



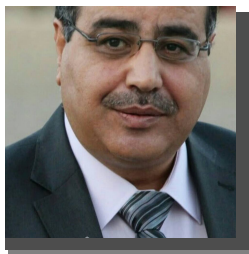
DR. HASAN MUAIDI AL-SERHAN

C.V.

- 7 Shihadeh Alqrainy, Hasan Muaidi, Hasan Rashaideh, Marwan Al-Seid(2010). "Toward Developing A Universal and Standard System For Transliteration and Transcription Arabic Language". The International Business Information Management Conference (15th IBIMA), Cairo, EGYPT. Nov., 2010. ISBN : 978-09821489-4-5.
- 8 Shihadeh Alqrainy, Alladdin Ayesh, Hasan Muaidi (2011). "Automated Tagging System And Tagset Design For Arabic Text". International Journal of Computational Linguistics Research, 1(2), p 55-62. 2010. Print ISSN : 0976-416X Online ISSN : 0976-4178.
- 9 Nabeel Abedalaziz, Hasan Muaidi (2012). "Attitudes Towards Internet-Based Distance Education Among Academic Staff Of Malaysian Universities". International Conference on Sustainable Development, New Jersey, USA, August, 2012.
- 10 Nabeel Abedalaziz, Hasan Muaidi (2012). "Attitudes Towards Internet-Based Distance Education Among Academic Staff Of Malaysian Universities" OIDA International Journal of Sustainable Development. 5(1) : p 81-90, October 2012. ISSN : 1923-6654 (print). ISSN 1923-6662 (online).
- 11 Shihadeh Alqrainy, Hasan Muaidi, Mahmud Alkoffash (2012). "Context-Free Grammar Analysis for Arabic Sentences". International Journal of Computer Applications (IJCA). 53(3) : p 7-11, September 2012.
- 12 Hasan Muaidi, Rasha Al-Tarawneh (2012). "Towards Arabic Spell-Checker Based on N-Grams Scores". International Journal of Computer Applications (IJCA), 53(3) : p 12-16, September 2012.
- 13 Mahmud Alkoffash, Shihadeh Alqrainy, Hasan Muaidi, Mohammed Wedyan (2012). "A Novel Approach for Face Recognition Based on A Multiple Faces Databases". Journal of Software Engineering and Applications (JSEA). 5(12) : p 1008-1012, December 2012. ISSN Print : 1945-3116 ISSN Online : 1945-3124.
- 14 Haneen Hijazi, Shihadeh Alqrainy, Hasan Muaidi, Thair Khmour (2014). "Risk Factors in Software Development Phases". European Scientific Journal (ESJ). 10(3) : p 213-232, January 2014. ISSN Print : 1857 - 7881 ISSN Online : 857- 7431.
- 15 Haneen Hijazi, Shihadeh Alqrainy, Hasan Muaidi, Thair Khmour (2014). "Identifying Causality Relation between Software Projects Risk Factors". International Journal of Software Engineering and Its Applications (IJSEIA). 8(2) : p 51-58, January 2014. ISSN : 1738-9984. The journal is indexed by : SCOPUS (ELSEVIER) H-Index=2.
- 16 Haneen Hijazi, Shihadeh Alqrainy, Hasan Muaidi, Thair Khmour (2014). "A Framework for Integrating Risk Management into the Software Development Process". Research Journal of Applied Sciences, Engineering and Technology. 8(8) : p 919-928. The journal is indexed by Thomson ISI and SCOPUS (ELSEVIER). H-Index=5.
- 17 Mahmud Alkoffash, Hasan Muaidi, Shihadeh Alqrainy, Muath Zghool (2014). "A Survey of Digital Image Processing Techniques in Character Recognition". International Journal of Computer Science and Network Security (IJCSNS). 14(3) : p 65-71.

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

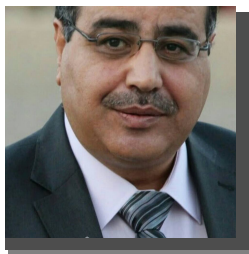
C.V.

- 18** Hasan Muaidi, Ayat AlAhmad, Thair Khmour, Shihadeh Alqrainy, Mahmud Alkoffash (2014). "Arabic Audio News Retrieval System Using Text to Speech Application, Mel Frequency Cepstral Coefficient (MFCC) and Dynamic Time Warping (DTW) Techniques". Research Journal of Applied Sciences, Engineering and Technology. 7(24) : p 5082-5097. The journal is indexed by Thomson ISI and SCOPUS (ELSEVIER). H-Index=5.
- 19** Hasan Muaidi (2014). "Levenberg-Marquardt Learning Neural Network For Part-of-Speech Tagging of Arabic Sentences". WSEAS Transactions on Computers. 13(1) : p 300-309. The Journal is indexed by SCOPUS (ELSEVIER) H-Index=11.
- 20** Rasha Al-Tarawneh, Hasan Muaidi, (2014). "Novel Approach for Arabic Spell-Checker : Based on Radix Search Tree". International Journal of Computer Applications (IJCA). 95(7) : p 1-5.
- 21** Mohammed Bawaneh, Mahmud Alkoffash, Shihadeh Alqrainy, Hasan Muaidi, (2016). "A Practical Comparison between Signature Approach and Other Existing Approaches in Error Detection over TCP". Communications and Network Journal. 8(1) : p 31-38. Scientific Research Publishing.
- 22** Rabab Ali Abumalloh, Hasan Muaidi Al-Serhan, Othman Bin Ibrahim, Waheeb Abu-Ulbeh, (2016). "Arabic Part-of-Speech Tagging" Journal of Soft Computing and Decision Support Systems. 3(2) : p 45-52.
- 23** Rabab Ali Abumalloh, Hasan Muaidi Al-Serhan, Waheeb Abu-Ulbeh, (2016). "Building Arabic Corpus Applied to Part-of-Speech Tagging", Indian Journal of Science and Technology. 9(46).
- 24** Rahma Al Balushi, Nabeel Abedalaziz, Hasan Muaidi, Maya Rashid Al Sulaimi, Chin Hai Leng, (2018). "Epistemological Beliefs and Teaching Practices of ICT Teachers in Jordan", Advanced Science Letters. 24(7) : p 5292-5296. SCOPUS (ELSEVIER). H-Index=22.
- 25** Rabab Ali Abumalloh, Hasan Muaidi Al-Serhan, Othman Bin Ibrahim, Waheeb Abu-Ulbeh, (2018). "Arabic Part-of-Speech Tagger, an Approach Based on Neural Network Modeling", International Journal of Engineering & Technology. Vol 7, No 2.29, Special Issue 29 p 742-746.
- 26** Hasan Muaidi Alserhan, Kawther Thabt Saleh, (2018). "Arabic Morphological Analyzer Using Finite-State", International Journal of Modern Trends in Engineering and Research (IJMTER). Vol 5, Issue 12, December 2018, p 21-30.
- 27** Meran M. Al Hadidi, Muath Alzghool, Hasan Muaidi (2019). "Keyword Extraction from Arabic Text using the Page Rank Algorithm", International Journal of Innovative Technology and Exploring Engineering (IJITEE). Vol 8, Issue 12, October 2019 p 3495-3504.
- 28** Hasan Muaidi (2021). "Arabic Text Categorization Based on the Page-Rank Algorithm", International Journal of Innovative Technology and Exploring Engineering (IJITEE). Vol 11, Issue 1, November 2021.
- 29** Yousef Abu Elbeh, Maryam Alzawahreh, Shihadeh Alqrainy, Hasan Muaidi AlSerhan (2024). "Arabic Part-of-Speech Tagging with Decision Trees : Effects of Algorithm and Dataset Size", Journal of Logistics, Informatics and Service Science. Vol 11, Issue 11, October 2024 p 281-299. ISSN 2409-2665.

Contact No. : +962 796010074
Email : muaidi1964@gmail.com
alserhan@bau.edu.jo

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

- 30** Hasan Muaidi, Riyadh Al-Shalabi, Shihadeh Alqrainy (2025). "Evaluation of the PageRank Algorithm for Arabic Text Categorization", submitted to the International Journal of Electrical and Computer Engineering (IJECE).
- 31** Riyadh Al-Shalabi, Nada Al-Shra'a, Hasan Muaidi (2025). "Improving Fraud Detection in Financial Transactions with Convolutional Neural Networks", submitted to the International Journal of Electrical and Computer Engineering (IJECE).

Advising

M.Sc. Students, as Primary Advisor

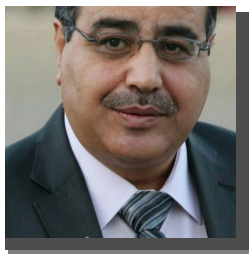
- 1** Rabab Abu Malloh (2009-2010). "Arabic Part-of-Speech Tagger, an Approach Based on Neural Network Modeling" : AlBalqa Applied University.
- 2** Rasha Trawneh (2009-2010). "A Spell Checker for Arabic Language A New Approach Based on the Radix Search Tree", AlBalqa Applied University.
- 3** Kawther Thabet (2010-2011). "Building a Finite-State Morphological Analyzer for Arabic Language", AlBalqa Applied University.
- 4** Safa Amin AlRawi (2010-2011). "Building a Database for Recognition Arabic Handwritten Forms for the Research Purposes", AlBalqa Applied University.
- 5** Ayat Nizar Al Ahmad (2011-2012). "Building Arabic Multimedia Information Retrieval System", AlBalqa Applied University.
- 6** Lina Al Hadidi (2011-2012). "A Speech Synthesis for Arabic Language", AlBalqa Applied University.
- 7** Meran Al Hadidi (2012-2013) "Keywords Extraction Using Page Rank Algorithm for Arabic Text", AlBalqa Applied University.
- 8** Yara Khawaja (2012-2013) "A Voting Algorithm for Filtering Arabic SPAM Emails", AlBalqa Applied University.
- 9** Alla Abu Hodeeb (2012-2013) "Building an Intelligent System for Prediction the Children Heart Diseases Based on Electrocardiogram (ECG) Analysis", AlBalqa Applied University.
- 10** Yousef Abu Ollbeh (2013-2014) "Developing Arabic Part-of-Speech Tagger Using Machine Learning", AlBalqa Applied University.
- 11** Ekhlal AlSakarneh (2013-2014) "Building an Automated System for Parsing the Context-free Arabic Grammar", AlBalqa Applied University.

M.Sc. Students, as Thesis Examiner

- 1** Manal Abedallh Khleifat "Evolving Artificial Neural Network Using Parallel Genetic Algorithm to Model A Winding Machine", MSc. Thesis in Computer Science. AlBalqa' Applied University. 14-06-2009. (Internal Examiner).

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

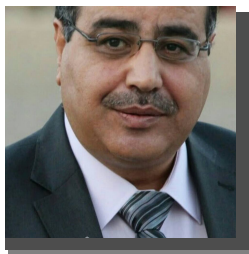
C.V.

- 2 Sameer Al-Jubah "A Dynamic Security Model", MSc. Thesis in Computer Science. AlBalqa' Applied University. 14-01-2009. (Internal Examiner).
- 3 Abd Al-Qader Ayyash "HTTP Protocol Optimization", MSc. Thesis in Computer Science. AlBalqa' Applied University. 27-05-2010. (Internal Examiner).
- 4 Rabab Abu Malloh "Arabic Part-of-Speech Tagger, An Approach Based on Neural Network Modeling". MSc. Thesis in Computer Science. AlBalqa Applied University. 14-07-2010 (Chairman).
- 5 Rasha Trawneh. "A Spell Checker for Arabic Language A New Approach Based on the Radix Search Tree", MSc. Thesis in Computer Science. AlBalqa Applied University. 01-04-2011. (Chairman).
- 6 Kawther Thabet. "Building a Finite-State Morphological Analyzer for Arabic Language", MSc. Thesis in Computer Science. AlBalqa Applied University. 21-07-2011. (Chairman).
- 7 Safa Amin AlRawi "Building a Database for Recognition Arabic Handwritten Forms for the Research Purposes", MSc. Thesis in Computer Science. AlBalqa Applied University. 21-07-2011. (Chairman).
- 8 Rasha Al Fawaeer "Data Classification Using Artificial Neural Networks for Medical Applications", MSc. Thesis in Computer Science. AlBalqa Applied University. 21-07-2011. (Internal Examiner).
- 9 Mariam Biltawi "Mammogram Image Analysis Using Digital Image Processing Techniques : Cancer Detection", MSc. Thesis in Computer Science. AlBalqa Applied University. 28-07-2011. (Internal Examiner).
- 10 Ayat Nizar Al Ahmad. "Building Arabic Multimedia Information Retrieval System", MSc. Thesis in Computer Science, AlBalqa Applied University. 08-05-2012 (Chairman).
- 11 Najla Qwasmeh "Offline Arabic Characters Recognition", MSc. Thesis in Computer Science. AlBalqa Applied University. 03-05-2012. (Internal Examiner).
- 12 Lubna Abdeljwad "Arabic Voice Recognition Using Neural Network and Fuzzy Logic", MSc. Thesis in Computer Science. AlBalqa Applied University. 13-05-2012. (Internal Examiner).
- 13 Haneen Hijazi "A Risk Management Strategy for Software Development Methodologies", MSc. Thesis in Computer Science. AlBalqa Applied University. 10-06-2012. (Internal Examiner).
- 14 Lina Al Hadidi "A Speech Synthesis for Arabic Language", MSc. Thesis in Computer Science. AlBalqa Applied University. 24-07-2012. (Chairman).
- 15 Hiba Hkreesat "Arabic Text Compression using Word Root", MSc. Thesis in Computer Science. AlBalqa Applied University. 24-09-2012. (Chairman).
- 16 Meran Al Hadidi "Keywords Extraction Using Page Rank Algorithm for Arabic Text", MSc. Thesis in Computer Science. AlBalqa Applied University. 24-07-2014. (Chairman).
- 17 Yara Khawaja "A Voting Algorithm for Filtering Arabic SPAM Emails", MSc. Thesis in Computer Science. AlBalqa Applied University. 20-07-2013. (Chairman).

Contact No. : +962 796010074
Email : muaidi1964@gmail.com
alserhan@bau.edu.jo

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



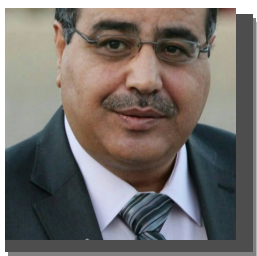
DR. HASAN MUAIDI AL-SERHAN

C.V.

- 18** Moh'd Shamileh. "Ad Hoc Networks", MSc. Thesis in Computer Science, AlBalqa Applied University. 12-05-2013 (Internal Examiner).
- 19** Ala'a AlManaseer "Air Quality Forecasting Using Soft Computing Techniques", MSc. Thesis in Computer Science. AlBalqa Applied University. 06-05-2013. (Internal Examiner).
- 20** Eman Saleh. "Early Diabetic Retinopathy Detection Using Image Processing Techniques", MSc. Thesis in Computer Science, AlBalqa Applied University. 18-09-2013 (Internal Examiner).
- 21** Osamah Smirat. "An Intelligent Model for Software Project Risk Prediction", MSc. Thesis in Computer Science, AlBalqa Applied University. 09-01-2014 (Internal Examiner).
- 22** Alla Abu Hodeeb "Building an Intelligent System for Prediction the Children Heart Diseases Based on Electrocardiogram (ECG) Analysis", AlBalqa Applied University. 20-03-2014. (Chairman).
- 23** Fares Alfuhha' "The Impact of E-Learning on higher education quality at state and private universities ", Amman Arab University. 14-01-2015. (External Examiner).
- 24** Fatima Al-Yazajeen. "Texture Mapping Algorithm for Computer Graphics Applications", MSc. Thesis in Computer Science, AlBalqa Applied University. 31-03-2015 (Internal Examiner).
- 25** Ekhlas AlSakarneh. "Building an Automated System for Parsing the Context-free Arabic Grammar", MSc. Thesis in Computer Science, Al-Balqa Applied University. 14-06-2015 (Chairman).
- 26** Yousef Abu Ollbeh "Developing Arabic Part-of-Speech Tagger Using Machine Learning", MSc. Thesis in Computer Science, AlBalqa Applied University. 28-12-2015 (Co-Supervisor).
- 27** Anas Gharaibeh "Impact of Knowledge Management on the Development of Managerial Work Process through Business Intelligence Processes at Jordanian Private Universities", MSc. Thesis in MIS, Amman Arab University. 14-01-2016 (External Examiner).
- 28** Ali Flayeh "EEG Data Analysis by Using Map-Reduce Technique", MSc. Thesis in Computer Science, Amman Arab University. 14-06-2016 (External Examiner).
- 29** Laith AlSleehat "Factors Influencing the Success of Expert Systems in the Jordanian Telecommunication Companies", MSc. Thesis in MIS, Amman Arab University. 24-8-2016 (External Examiner).
- 30** Jameel Al-Zghool. "Deception Detection in Open Domain Text", MSc. Thesis in Computer Science, AlBalqa Applied University. 03-05-2017 (Internal Examiner).
- 31** Ahmad Alaa Al-Hamami "A Framework for Adaptive Security Systems", MSc. Thesis in Computer Science, Amman Arab University. 25-11-2017 (External Examiner).
- 32** Nadia Al-Frihat "Multi-Stage Approaches to Robust Digital Image Watermarking", MSc. Thesis in Computer Science, Amman Arab University. 04-06-2018 (External Examiner).
- 33** Hussien Ali Abu Oliqa "Developing A Prototype Based on WIKI Technique for Emergency Healthcare", MSc. Thesis in MIS, Amman Arab University. 22-01-2019 (External Examiner).

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

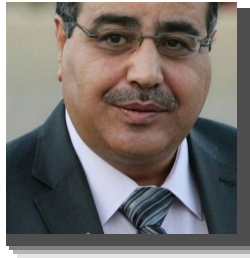
- 34** Esra'a Al-Daom "Improved Rabbit Optimization Algorithm for Feature Selection in High-Dimensional Datasets", MSc. Thesis in AI, Yarmouk University. 30-05-2024 (External Examiner).
- 35** Mariam Khasawneh "Using Arabic Language Sentiment Analysis Technique to Detect Cyber Threats", MSc. Thesis in Cyber Security, Irbid National University. 24-08-2024 (External Examiner).

Ph.D. Students, as Thesis Examiner

- 1** Moh'd Jaradat "Consumers Attitudes Towards Mobile Banking in Jordan", PhD Thesis. University of Banking and Financial Sciences. 04-01-2009.
- 2** Mohammad Nassar "Performance Analysis and Improvement of Data-Fusion Algorithms", PhD Thesis. University of Banking and Financial Sciences. 24-01-2009.
- 3** Iyad Jamil Ata Jabr "Introducing an Election Algorithm for Fixed Mesh-Hypercube Interconnection Networks", PhD Thesis. University of Banking and Financial Sciences. 01-02-2009.
- 4** Farah Zawaydeh "Using Genetic Algorithms to Improve Naïve Bayesian Classifier for Arabic Documents Categorizations", PhD Thesis. University of Banking and Financial Sciences. 01-02-2009.
- 5** Farhan Moh'd Obisat "A Model For e-Learning Personalization", PhD Thesis. University of Banking and Financial Sciences. 17-05-2009.
- 6** Wa'el Mousa Hadi "A New Prediction and Pruning Methods in Associative Classification Mining ", PhD Thesis. University of Banking and Financial Sciences. 23-05-2009.
- 7** Adel Hamdan Fareed "Application of Genetic Optimized Artificial Immune System in Spam Detection", PhD Thesis. University of Banking and Financial Sciences. 13-06-2009.
- 8** Osama Amin Mustafa Marie "An Efficient Security Model for M-Learning Tools and Strategies For Mobile Security", PhD Thesis. University of Banking and Financial Sciences. 28-07-2009.
- 9** Bassam Al-Shargabi "Toward QoS based Web Service : Composition and Execution Framework", PhD Thesis. University of Banking and Financial Sciences. 09-08-2009.
- 10** Alia Sabri "Development of a Dynamic Noise-Dependent Probabilistic Route Discovery Algorithm in MANETs", PhD Thesis. University of Banking and Financial Sciences. 19-12-2009.
- 11** Azmi Halsu "Development and Performance Evaluation of A Location-Based Power Conservation Scheme For MANETs", PhD Thesis. University of Banking and Financial Sciences. 02-06-2010.
- 12** Tariq Abu Hilal "A Speaker Identification System Using Wavelet Transform Power Density And Neural Networks", PhD Thesis. University of Banking and Financial Sciences. 02-08-2010.
- 13** Yousef Jbara "New Continuous Ant Colony Algorithm for Continuous Function Optimization in 2D and 3d Search Spaces", PhD Thesis. University of Banking and Financial Sciences. 15-08-2010.

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

- 14 Moh'd Alnababteh "Associative Classification Technique Based on Incremental Mining", PhD Thesis. University of Banking and Financial Sciences. 15-01-2011.

Ph.D. Students, as Proposal Examiner

- 1 Osama Amin Mustafa Marie "An Efficient Security Model for M-Learning Tools and Strategies For Mobile Security", PhD Proposal. University of Banking and Financial Sciences. 11-01-2009.
- 2 Mohammad Nassar "Performance Analyses and Improvement of Data-Fusion Algorithms", PhD Proposal. University of Banking and Financial Sciences. 11-01-2009.
- 3 Belal Ayoub "A model for System Reliability Optimization Based on ACO Using Index of Criticality Constrain", PhD Proposal. University of Banking and Financial Sciences. 11-01-2009.
- 4 Bassam Al-Shargabi "Toward Quality of Service based Framework for Web Service Composition and Execution", PhD Proposal. University of Banking and Financial Sciences. 18-01-2009.
- 5 Ali Mahmoud Shaltouni "True Color Image Enhancement and Reconstruction", PhD Proposal. University of Banking and Financial Sciences. 17-03-2009.
- 6 Maher Abu Hmadeh "A Hierarchal Framework to Quantitatively Evaluate Success Factors of Mobile Learning", PhD Proposal. University of Banking and Financial Sciences. 17-03-2009.
- 7 Ahmad Abdelqader Abusin "An Approach of Extracting Arabic Word Roots Based on Voice Writing Forms", PhD Proposal. University of Banking and Financial Sciences. 14-04-2009.
- 8 Bassam Mohammed El-Zaghmouri "Multicasting in Ad-Hoc Network Based on Genetic Algorithm Approach", PhD Proposal. University of Banking and Financial Sciences. 14-04-2009.

Research Activities

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

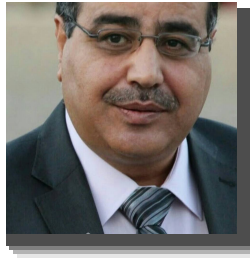
C.V.

- The First Technology Conference For an Electronic Arab Municipality. 27, 28/10/2009, Amman, JORDAN.
- Assistant Chair of "Themed Track on Natural Language Processing and Understanding (NLP&U'08)" within the 2008
- International Conference on Computer Engineering & Systems (ICCES'08) (an IEEE conference). Nov. 25-27, 2008. Cairo, EGYPT.
- A Senior Member of the International Association of Computer Science and Information Technology (IACSIT). Member NO. : 80339569. Singapore.
- A Member of the Society of Digital Information and Wireless Communications (SDIWC). Member ID. : 3883 and 3884.
- A Member of the International Association for the Engineers and the Computer Scientists (IAENG). Member ID. : 123484.

Contact No. : +962 796010074
Email : muaidi1964@gmail.com
alserhan@bau.edu.jo

Associate Professor of AI and SE

Department of Information
Technology
Al-Huson University College
AlBalqa Applied University



DR. HASAN MUAIDI AL-SERHAN

C.V.

Editorial Board

- Journal of Intelligent Computing.
- International Journal of Computational Linguistics.
- International Journal of Advanced Intelligence Paradigms (IJAIP).
- International Journal of Computational Complexity and Intelligent Algorithms.

Conferences Reviewer

- The 2008 International Conference on Computer Engineering & Systems (ICCES'08) (an IEEE Conference). Nov. 25-27, 2008. Cairo, EGYPT.
- The 2nd International Conference on Software Engineering and Computer Systems (ICSECS2011). , June 27-29, 2011, Pahang, Malaysia.
- The 2016 International Computer Sciences and Informatics Conference. Jan. 12-13, 2016. Amman, Jordan.
- The International Workshop on Computers and Information Sciences (WCIS 2015). University of Tabuk. SA.

Funded Project

- Modeling Factors Relating to the Teaching Practices of ICT Teachers : A Cross Cultural Study. University of Malay. Faculty of Education/ Educational Psychology and Counseling.

Personal Traits & Skills

- High achiever, driver, hard working and tenacious.
- Highly organized, methodical and procedure oriented.
- Command excellent analytical and problem solving skills.
- Process extraordinary degree of attention to details.
- Believe in management by objectives.

Contact No. : +962 796010074
Email : muaidi1964@gmail.com
alserhan@bau.edu.jo