

CURRICULUM VITAE



PERSONAL DETAILS:

Name : Mohammad Abd-Alrahman Mahmoud Abushariah

Nationality : Jordanian

Date of Birth : 28 April 1983

Gender : Male

Marital Status : Married with 1 child (Tameem)

Home Address : Amman - Jordan

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[ReasearchGate.net](#)

EDUCATIONAL BACKGROUND

- **January 2007 – May 2012**

University of Malaya, Malaysia

Doctor of Philosophy (Ph.D.) Computer Science and Information Technology

Thesis Title: Automatic Continuous Speech Recognition Based on Phonetically Rich and Balanced Arabic Speech Corpus

- **July 2005 – September 2006**

University of Malaya, Malaysia

Master of Software Engineering

Cumulative Grade Point Average (CGPA) 3.67 out of 4.00

Dissertation Title: A Vector Quantization Approach to Isolated-Word Automatic Speech Recognition

- **November 2001 – March 2006**

International Islamic University Malaysia, Malaysia

Bachelor of Information Technology (Honours)

Cumulative Grade Point Average (CGPA) 3.417 out of 4.00

Final Year Project Title: Interactive Speech Recognition System (ISRS)

- **November 2001 – March 2005**

International Islamic University Malaysia, Malaysia

Bachelor of Management Information System (Honours)

Cumulative Grade Point Average (CGPA) 3.403 out of 4.00

- **June 2000 – October 2001**

Matriculation Centre,

International Islamic University Malaysia, Malaysia

Pre-University Certificate in Economics and Management Sciences (A-Level Equivalent)

LANGUAGE PROFICIENCY

	Reading	Writing	Listening	Speaking
• Arabic Language (Mother-Tongue)	Excellent	Excellent	Excellent	Excellent
• English Language	Excellent	Excellent	Excellent	Excellent
• Malay Language	Good	Good	Good	Good

RESEARCH INTERESTS

My research interests include areas like: Text processing, speech and signal processing, speech analysis, automatic speech recognition, natural language processing (NLP), image processing, artificial intelligence, software engineering, project management, big data, and some other relevant areas.

Text and Speech Processing:

- Recognizing Speech of The Holy Qur'an and Qiraat Identification.
- Real Time Large Vocabulary Continuous Speech Recognition (LVCSR) Speech Recognition.
- Large Vocabulary Continuous Speech Recognition (LVCSR) for Arabic Language and other languages.
- Isolated-Words Speech Recognition.
- Isolated-Words Speech Detection.
- Multilingual Speech Detection and Recognition.
- Multimodal Speaker Verification and Recognition.
- Speech Pronunciation Scoring.
- Arabic Question Answering Using Universal Networking Language (UNL).
- Qur'anic Arabic WordNet.
- Text Documents Search.
- Written and Spoken Arabic Language Resources Preparation and Processing.
- Corpus Linguistics.

Image Processing:

- Image Recognition.
- Image Enhancement.
- Image Classification.
- Bimodal and Multimodal Person Identification and Verification.
- Handwritten Signatures-Based Person Identification and Verification.
- Facial Recognition.
- Emotion Recognition using Facial Expressions.

Software Engineering:

- Software Measurement.
- Software Metrics.
- Software Architecture.
- Software Design.
- Software Quality.
- Project Management.
- Human Computer Interaction.

WORKING EXPERIENCE

- **September 2014 – Current**

Organization: Faculty of Graduate Studies,
The University of Jordan, Jordan

Position: Assistant Dean

Responsibilities: Handling students affairs and faculty's information technology related aspects including infrastructure, software, applications, ...etc.

- **April 2014 – Current**

Organization: Samsung R&D Institute - Jordan, Samsung Electronics Co. Ltd.,
King Hussein Business Park, Amman, Jordan.

Position: Consultant

- **May 2012 – Current**

Organization: King Abdullah II School for Information Technology,
The University of Jordan, Jordan

Position: Assistant Professor

Responsibilities: Teaching various undergraduate and postgraduate courses and supervising final year project and master students in the department of Computer Information Systems (CIS).

- **January 2011 – April 2011**

Organization: University of Malaya, Malaysia

Position: Lecturer (Part-Time)

Responsibilities: Teaching 2 undergraduate courses entitled “Software Architecture and Design Paradigms” and “Software Evolution and Configuration” for Bachelor of Computer Science students – specialized in Software Engineering.

- **July 2010 – November 2011**

Organization: University of Malaya, Malaysia

Position: Secretary General, Malaysian Journal of Computer Science, ISI Journal.

Responsibilities: Handling all processing and day-to-day operations of the journal.

- **July 2010 – December 2010**

Organization: University of Malaya, Malaysia

Position: Lecturer (Part-Time)

Responsibilities: Teaching a master degree course entitled "Software Quality and Metrics" for Master of Software Engineering students.

- **04 April 2007 – 31 May 2008**

Organization: University of Malaya, Malaysia

Position: Visiting Lecturer

Responsibilities: Teaching courses for both undergraduate and postgraduate students in the Department of Software Engineering, Faculty of Computer Science and Information Technology, as well as supervising students' final year projects and research in areas like speech processing, image processing and software engineering.

- **December 2006 – April 2007**

Organization: University of Malaya, Malaysia

Position: Lecturer (Part-Time)

Responsibilities: Teaching a master degree course entitled "Information Systems Planning" for Master of Computer Science students, specialized in MIS.

- **December 2006 – April 2007**

Organization: University of Malaya, Malaysia

Position: Research Assistant (Full-Time)

Responsibilities: Conducting a research on multilingual automatic isolated-words speech recognition technology, speech analysis and processing.

- **October 2006 – February 2007**

Organization: Saudi School in Kuala Lumpur, Malaysia

Position: Computer Science Teacher and Computerized Systems Controller.

Responsibilities: Teaching basics of computer science, applications and Microsoft Office. In addition, handling the "Maaref" system supported by the Ministry of Education, Kingdom of Saudi Arabia.

- **December 2005 – November 2006**

Organization: University of Malaya, Malaysia

Position: Part-time Tutor

Responsibilities: Tutoring a master degree course entitled "Software Quality Assurance and Project Management", discussing problems and solutions, providing tutorials and consultations.

- **December 2005 – March 2006**

Organization: University of Malaya, Malaysia

Position: Research Assistant

Responsibilities: Conducting a research in speech recognition technology and its validity in designing telephony systems, conducting a literature review for that technology.

- **July 2005 – November 2005**

Organization: International Islamic University Malaysia, Malaysia

Position: Part-time Tutor

Responsibilities: Tutoring bachelor degree courses entitled "Operating Systems", "Project Management in IT", "Final Year Project I and Final Year Project II". Discussing problems and solutions, providing tutorials, consultations, hands-on sessions, and grading for MATLAB especially in Image Processing Toolbox for Final Year Project I and II.

- **June 2003 – September 2004**

Organization: International Islamic University Malaysia (IIUM) Holdings Sdn. Bhd.

Position: Student Assistant

Responsibilities: Helping in managing the human resource department especially in employing new teachers for the International Islamic College and School by handling all the applications, creating a database of all records and calling applicants for interviews.

ACADEMIC ACTIVITIES



Research Groups Involvement and Collaboration:

1) **September 2014 – Current**

Research Group: Arabic Automatic Speech Recognition Research Group,
University of Tabuk, Kingdom of Saudi Arabia.

Position: Research Collaborator.

2) **August 2014 – Current**

Research Group: Arabic Automatic Speech Recognition Research Group,
Department of Systems Engineering, King Fahd University of
Petroleum and Minerals, Kingdom of Saudi Arabia.

Position: Research Collaborator.

3) **August 2014 – Current**

Research Group: Malaysia Special Interest Group (MySIG) on Big Data,
University of Malaya, Malaysia.

Position: Committee Member.

4) **August 2013 – Current**

Research Group: Collaboration on a project entitled "Mobile Quranic Recitals
and Error Detection using Speech Recognition". University
Putra Malaysia (UPM), Malaysia.

Position: Research Collaborator.

5) **1 May 2013 – 30 April 2015**

Research Group: Collaboration on a funded project entitled "Arabic AST
Technology", funded by University of Malaya, Malaysia.

Position: Research Collaborator.

6) **May 2012 – Current**

Research Group: Arabic Natural Language Processing Group, King Abdullah II
School for Information Technology, The University of Jordan.

Position: Committee Member.

7) **May 2012 – Current**

Research Group: Software Engineering Group, King Abdullah II School for
Information Technology, The University of Jordan.

Position: Committee Member.

8) **August 2009 – September 2009**

Research Group: Department of Systems Engineering, King Fahd University of
Petroleum and Minerals, Saudi Arabia. This research visit was
mainly to conduct a research on speech recognition for Arabic
language and it was about 2 months.

Position: Research Visitor.

9) **November 2007 – November 2010**

Research Group: Software Engineering Research Group, Department of Electrical and Computer Engineering, Faculty of Engineering, International Islamic University Malaysia, Malaysia.

Position: Committee Member.

10) **August 2007 – May 2008**

Research Group: Research group that handles a research in Software Architecture, in collaboration between Department of Software Engineering, Faculty of Computer Science and Information Technology, University of Malaya, Malaysia and The University of Western Ontario, Canada.

Position: Committee Member.

11) **June 2007 – Current**

Research Group: Computational Speech Research Group", Department of Software Engineering, Faculty of Computer Science and Information Technology, University of Malaya, Malaysia.

Position: Committee Member.

🕒 **Journals and Conferences Technical Program Committee Involvement:**

1) **September and December 2015**

Appointed as a *Guest Editor* for a special issue on "Arabic Natural Language Processing and Speech Recognition", which is scheduled to be published in Volume 18, Issue 3 (September 2015) and Issue 4 (December 2015) of the International Journal of Speech Technology, Springer.

2) **3 – 5 November 2015**

Technical Program Committee (TPC) member and reviewer of the IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT), Amman, Jordan.

3) **7 – 8 October 2015**

Technical Program Committee (TPC) member and reviewer of the 2nd Workshop on Computer and Information Sciences (WCIS 2015) on Arabic Natural Language Processing: Models, Systems and Applications, Tabuk, Saudi Arabia.

4) **10 – 13 August 2015**

Technical Program Committee (TPC) member and reviewer of the Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI'15), Kerala, India.

5) **19 – 21 February 2015**

Technical Program Committee (TPC) member and reviewer of the IEEE International Conference on Signal Processing, Informatics, Communication and

Energy Systems (SPICES'15), organized by IEEE Kerala Section and National Institute of Technology Calicut (NITC), Kozhikode, Kerala, India.

6) 17 – 19 February 2015

Technical Program Committee (TPC) member and reviewer of the International Conference on Communications, Signal Processing, and their Applications (ICCSPA'15), organized by the American University of Sharjah, Sharjah, UAE.

7) 19 – 21 December 2014

Among the organizers of the "Multimedia Communication Systems and Networks (MCSN)" track in conjunction with the Second International Conference on Telecommunication Systems and Networks (MIC-Telecom 2014), Istanbul, Turkey.

8) 3 – 5 October 2014

Track Chair for the Speech and Language Processing (SLP) track in conjunction with the Second International Conference on Digital Signal Processing (MIC-SigProc2014), Dubai, UAE.

9) 15 – 17 August 2014

Among the organizers of the "Computer Vision and Applications (CVA)" track in conjunction with the Second International Conference on Computer Science and Engineering (MIC-Computing 2014), Milan, Italy.

10) 3 – 5 December 2013

Among the technical program committee members and reviewers of the "IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT)", IEEE Jordan Section, Amman, Jordan.

11) 11 – 13 October 2013

Among the organizers of the "Speech and Language Processing (SLP)" track in conjunction with the First International Conference on Digital Signal Processing (MIC-SigProc2013), Istanbul, Turkey.

12) 5 – 7 April 2013

Among the organizers of the "Artificial Intelligence and Applications (AIA)" track in conjunction with the Third International Conference on Computing and Artificial Intelligence (MIC-CAI2013), Belgrade, Serbia.

13) 12 – 14 February 2013

Organizer of a special session on "Arabic Natural Language Processing: Algorithms, Resources, Tools, Techniques and Applications" in conjunction with the First International Conference on Communications, Signal Processing, and their Applications (ICCSPA'13), organized by the American University of Sharjah, Sharjah, UAE.

Workshops, Symposiums, and Exhibitions Involvement and Participation:

- **May 2014**
Dema Mahmood Etaiwi, Hamda Riad Alqisi, **Mohammad A. M. Abushariah**, and Omar Al-Adwan. My Rescuer System. 7th National Technology Parade (NTP), May, 2014.
- **25 August - 4 September 2013**
I attended the "Staff Development Workshops", which include designing study plans, modern trends in university teaching, exam preparation and learner's assessment, academic ethics, and laws, bylaws, and regulations of the University of Jordan, which were organized by Center of Educational Development, the University of Jordan.
- **May 2013**
Anood I. Sawaftah, Layla Douyat, **Mohammad A. M. Abushariah**, and Wesam A. Almobaideen. Automatic Arabic Computer Aided Language Learning System. Information Technology Students Activity Fair (ITSAF 2013), May, 2013.
- **February 2012**
A. A. M., Abushariah, T. S., Gunawan, J., Chebil, and **M. A. M., Abushariah**. Voice Based Automatic Person Identification System. Poster presented at International Islamic University Malaysia Research, Innovation, and Exhibition (IRIIE 2012), February, 2012.
- **February 2012**
A. A. M., Abushariah, T. S., Gunawan, J., Chebil, and **M. A. M., Abushariah**. Automatic Person Identification System Using Handwritten Signatures. Poster presented at International Islamic University Malaysia Research, Innovation, and Exhibition (IRIIE 2012), February, 2012. (**Won the Bronze Medal**).
- **25 November 2007**
Acting as a participant in a one day long workshop on "Designing Intelligent Systems with MATLAB", which was in collaboration with the International Conference on Intelligent and Advanced Systems (ICIAS'07), Kuala Lumpur, Malaysia.
- **6 September 2007**
Acting as a participant in a one day long workshop on "Investing in Your Future: A Workshop on Successful PhD Studies in IT", which was organized by MONASH University, Sunway, Malaysia.
- **June 2007 – July 2007**
A member of the organizing committee members and a participant in a training and workshop on various aspects of Software Engineering. The training was a one month long and the instructor was Prof. Nazim Madhavji, from The University of Western Ontario, Canada.

- **July 2006**
Mohammad A. M. Abushariah, Raja Noor Ainon, and Othman O. Khalifa. Telephony Speech Recognition System. Poster and demonstration of system presented at University of Malaya's Exhibition on Developing Human Capital through Research Excellence and Innovation, July, 2006. (**Won the Silver Medal**).
- **June 2006**
Mohammad A. M. Abushariah, Raja Noor Ainon, and Othman O. Khalifa. Telephony Speech Recognition System. Poster presented at University of Malaya's Graduate Symposium, June, 2006. (**Won the 2nd Prize**).



Teaching:

- **Taught Courses (Master Degree Level):**
 - Information Systems
 - Information System Planning
 - Software Quality and Metrics
 - Software Engineering Process and Practice
 - Software Architecture and Design
 - Multimedia Systems Development
 - Natural Language Processing
- **Taught Courses (Undergraduate Degree Level):**
 - Software Architecture and Design Paradigms
 - Software Evolution and Configuration
 - Human Computer Interaction
 - Project Management
 - Systems Analysis, Modelling, and Design
 - Software Engineering
 - Introduction to Software Engineering
 - Computer Skills for Humanities
 - Remedial Computer Skills
- **Tutored Courses (Undergraduate and Master Levels):**
 - Quality Assurance and Project Management (**Master**)
 - Final Year Projects in Image Processing Using MATLAB (**Undergraduate**)
 - Data Structures (**Undergraduate**)
- **Taught Courses (School Level):**
 - Principles and Guidelines of the Use of Internet
 - Microsoft Office 2003

🕒 **Graduate Students Supervision:**

➤ **Ph.D. Thesis:**

I am currently appointed as a co-supervisor for two Ph.D. students in University Putra Malaysia (UPM).

- 1) **Student Name:** Noraziahtulhidayu Kamarudin
Thesis Title: Al-Quran, Qiraat automatic identification
- 2) **Student Name:** Abdulmawla Najih
Thesis Title: Development of Correction Quran Recitation Engine Based on Speech Recognition

➤ **Master Dissertation:**

- 1) **Student Name:** Batool Dawood
Thesis Title: The Design and Implementation of an Arabic Question Answering System Based on the Universal Networking Language (UNL).
- 2) **Student Name:** Alaa Ahmad Al-Shdaifat
Thesis Title: Towards Multithreaded Sliding Window to Improve Exact Pattern Matching Algorithms in Searching Text Documents.
- 3) **Student Name:** Manal Al-Ma'ayah
Thesis Title: Quranic Arabic WordNet Design and Implementation.
- 4) **Student Name:** Safia Hammad Abu Saalik
Thesis Title: Automatic Continuous Speech Recognition Using Sub-Words Approach for Arabic Language.

➤ **Graduation Projects for Undergraduate Students:**

I have been supervising more than 20 different graduation projects on various topics including:

- Arabic automatic speech recognition
- Arabic to English translator
- Nashmi patrolman robot
- My rescuer system
- Automatic Arabic computer aided language learning system
- KASIT graduation project online registration system
- Sponsored students' (External) Portal
- Shopping mall product management and navigation system
- UJ sponsorship management system
- Buy2Me online store
- Online clearance system for UJ and Online application system for UJ
- Fraud detection system
- Online voting system for Jordan parliament general elections

ACADEMIC ACHIEVEMENTS AND AWARDS

- **February 2012**

Won the Bronze Medal in the International Islamic University Malaysia Research, Innovation, and Exhibition (IRIIE 2012) for poster and prototype presentations entitled “Automatic Person Identification System Using Handwritten Signatures”, Malaysia.

- **November 2008 - November 2011**

Awarded a scholarship from The University of Jordan to further PhD in University of Malaya, Malaysia.

- **July 2007 - September 2011**

Awarded the Malaysian Technical and Cooperation Programme (MTCP) scholarship for PhD, Malaysia.

- **July 2006**

Won the Silver Medal in the University of Malaya’s Exhibition on Developing Human Capital through Research Excellence and Innovation for poster and prototype presentations entitled “Telephony Speech Recognition System”, Malaysia.

- **June 2006**

Won the 2nd Prize in the University of Malaya’s Graduate Symposium for poster presentation entitled “Telephony Speech Recognition System”, Malaysia.

- **May 2005**

Nominated for the semi-final competition for the best final year project using Matlab and Simulink Software all over Malaysian public and private universities. The project was entitled “Interactive Speech Recognition System”, and the competition was organized by TechSource Systems Sdn. Bhd. in fulfillment of the requirements for the **TSS 1st Malaysia Engineering Design Challenge 2005**.

- **March 2005**

Nominated for the final competition for the best final year project (system development category) at the faculty level for the project entitled “Interactive Speech Recognition System”.

- **October 2003 - March 2005**

Awarded the Dean’s List Certification for several semesters for high academic achievement.

CO-CURRICULAR ACTIVITIES

- **June 2007 – June 2008**

Elected as the head of cultural secretariat of University of Malaya International Students Association (UMISA), Malaysia.

- **March 2004 – July 2004**

Elected as the Acting President of the Students' Representative Council (main students body), International Islamic University Malaysia, Malaysia.

- **September 2003 – September 2004**

Elected as the Deputy President of the Students' Representative Council (main students body), International Islamic University Malaysia, Malaysia.

- **March 2004 – July 2004**

Appointed as the Executive Director of a university programme known as "Ummatic Week 2004" which is a cultural week involving more than 30 participating countries, more than 400 committee members working for the programme and about 20 sub-programmes running during this cultural week, International Islamic University Malaysia, Malaysia.

- **March 2004**

Appointed as a facilitator for the Ta'aruf Week (Orientation Week) April 2003/2004 Intake, International Islamic University Malaysia, Malaysia.

- **December 2003 – January 2004**

Selected together with 30 other students to represent the university for an educational visit to Indonesia, International Islamic University Malaysia, Malaysia.

- **October 2003**

Appointed as the Deputy Director for the welcoming and pre-orientation programme for international students November 2003 Intake, International Islamic University Malaysia, Malaysia.

- **March 2003 – August 2003**

Appointed as the Executive Director of a university programme known as "Ummatic Week 2003" which is a cultural week involving more than 30 participating countries and more than 400 committee members working for the programme, International Islamic University Malaysia, Malaysia.

- **June 2000 – March 2005**

Appointed as a group leader for a credited Personality Development Course taught for the university students, International Islamic University Malaysia, Malaysia.

OTHER ACTIVITIES

- **March 2005**

TV shooting for a documentary programme known as “ANTARA BUDAYA”, which I was the main actor representing a foreign person adapting to the Malaysian diverse cultures. It was a four days shooting and was shown on the TV, Malaysia.

- **January 2004 – April 2004**

Invited for live TV programmes including Malaysia Hari Ini (Malaysia Today) and Bicara Siswa (talking about students issues), Malaysia.

CO-CURRICULAR ACHIEVEMENTS

- **July 2005**

Awarded the **Rector’s Gold Award** for the **Best Student Leader** for the academic session 2004/2005, International Islamic University Malaysia, Malaysia.

- **July 2004**

Awarded the Director’s 2nd Prize Award for the Best Students’ Programme for the Ummatic Week 2003 Programme, International Islamic University Malaysia, Malaysia.

RESEARCH PUBLICATIONS

❖ **Journals:**

- 1) **Mohammad A. M. Abushariah**, Assal A. M. Alqudah, Omar Y. Adwan, and Rana M. M. Yousef, (2014). Automatic Heart Disease Diagnosis System Based on Artificial Neural Network (ANN) and Adaptive Neuro-Fuzzy Inference Systems (ANFIS) Approaches. *Journal of Software Engineering and Applications*, Scientific Research Publishing, Vol. 7, No. 12, pp. 1055 - 1064.
- 2) Rana Yousef, Omar Adwan, and **Mohammad A. M. Abushariah**, (2014). Extracting SOA Candidate Software Services from an Organization’s Object Oriented Models. *Journal of Software Engineering and Applications*, Scientific Research Publishing, Vol. 7, No. 9, pp. 770 - 778.
- 3) **Mohammad Abd-Alrahman Mahmoud Abushariah**, Raja Noor Ainon, Roziati Zainuddin, Assal Ali Mustafa Alqudah, Moustafa Elshafei Ahmed, and Othman Omran Khalifa, (2012). Modern Standard Arabic Speech Corpus for Implementing and Evaluating Automatic Continuous Speech Recognition Systems. *Journal of the Franklin Institute*, Elsevier, Vol. 349, No. 7, pp. 2215 – 2242. (ISI-Cited Publication) (Impact Factor = 2.724).

- 4) **Mohammad A. M. Abushariah**, Raja N. Ainon, Roziati Zainuddin, Moustafa Elshafei, and Othman Khalifa, (2012). Arabic Speaker-Independent Continuous Automatic Speech Recognition Based on a Phonetically Rich and Balanced Speech Corpus. *The International Arab Journal of Information Technology*, Vol. 9, No. 1, pp. 84 – 93. (ISI-Cited Publication). (Impact Factor = 0.127).
- 5) **Mohammad A. M. Abushariah**, Raja N. Ainon, Roziati Zainuddin, Moustafa Elshafei, and Othman O. Khalifa, (2012). “Phonetically Rich and Balanced Text and Speech Corpora for Arabic Language”. *Language Resources and Evaluation Journal*, Springer. Vol. 46, No. 4, pp. 601 – 634. (ISI-Cited Publication). (Impact Factor = 0.308).
- 6) **Mohammad A. M. Abushariah**, Raja N. Ainon, Roziati Zainuddin, Bassam A. Al-Qatab and Assal A. M. Alqudah, (2010). Impact of a Newly Developed Modern Standard Arabic Speech Corpus on Implementing and Evaluating Automatic Continuous Speech Recognition Systems. In Lee, G. G., Mariani, J., Minker, W., and Nakamura, S. (Eds.). *Spoken Dialogue Systems for Ambient Environments* Proceedings of the Second International Workshop on Spoken Dialogue Systems Technology (IWSDS’10), Gotemba, Shizuoka, Japan, Lecture Notes in Computer Science (LNCS), Volume 6392, pages 1 – 12, Springer-Verlag.

❖ **Chapter In Book:**

- 1) **Abushariah, Mohammad A. M.**, Zainuddin, Roziati, Alqudah, Assal Ali Mustafa, and Khalifa, Othman Omran, (2011). Arabic Automatic Continuous Speech Recognition Systems. In Khalifa, Othman Omran, Hameed, Shihab A., and Khan, Sheroz (Eds.). *Human Behaviour Recognition, Identification and Computer Interaction*. IIUM Press, Kuala Lumpur, pp. 306 – 316. ISBN 978–967–418–156–7.
- 2) **Abushariah, Mohammad A. M.**, Zainuddin, Roziati, Alqudah, Assal Ali Mustafa, and Khalifa, Othman Omran, (2011). Speaker’s Variabilities, Technology and Language Issues That Affect Automatic Speech and Speaker Recognition Systems. In Khalifa, Othman Omran, Hameed, Shihab A., and Khan, Sheroz (Eds.). *Human Behaviour Recognition, Identification and Computer Interaction*. IIUM Press, Kuala Lumpur, pp. 298 – 305. ISBN 978–967–418–156–7.
- 3) **Abu Shariah, Mohammad A. M.**, Ainon, Raja Noor, and Khalifa, Othman Omran, (2011). Interactive Voice Response Technology for Telephony System. In Khalifa, Othman Omran, Hameed, Shihab A., and Khan, Sheroz (Eds.). *Human Behaviour Recognition, Identification and Computer Interaction*. IIUM Press, Kuala Lumpur, pp. 213 – 223. ISBN 978–967–418–156–7.

- 4) Alqudah, Assal Ali Mustafa, Zainuddin, Roziati, **Abushariah, Mohammad A. M.**, and Khalifa, Othman Omran, (2011). Automatic Identity Recognition Systems: A Review. In Khalifa, Othman Omran, Hameed, Shihab A., and Khan, Sheraz (Eds.). *Human Behaviour Recognition, Identification and Computer Interaction*. IIUM Press, Kuala Lumpur, pp. 192 – 205. ISBN 978–967–418–156–7.

❖ **International Conferences:**

- 1) Fawaz Ahmad Al-Zaghoul, Amjad Hudaib, **Mohammad Abushariah**, and Assal Alqudah, (2015). A Suggested Framework for Software Requirements Classification. *Proceedings of the IEEE 17th UKSIM-AMSS International Conference on Modelling and Simulation*, Cambridge, United Kingdom, pp. 261 - 264.
- 2) Manal AlMaayah, Majdi Sawalha, and **Mohammad A. M. Abushariah**, (2014). A Proposed Model for Quranic Arabic WordNet. *Proceedings of the 2nd Workshop on Language Resources and Evaluation for Religious Texts*, Reykjavik, Iceland, pp. 9 -13.
- 3) Noraziahtulhidayu Kamarudin, SAR Al-Haddad, Abd Rauf Bin Hassan, and **Mohammad A. M. Abushariah**, (2014). Al-quran learning using mobile speech recognition: An overview. *Proceedings of the IEEE International Conference on Computer and Information Sciences (ICCOINS 2014)*, Kuala Lumpur, Malaysia, pp. 1 - 6.
- 4) Kyaw Kyaw Htike, Othman O Khalifa, Huda Adibah Mohd Ramli, and **Mohammad A. M. Abushariah**, (2014). Human activity recognition for video surveillance using sequences of postures. *Proceedings of the IEEE Third International Conference on e-Technologies and Networks for Development (ICeND 2014)*, Beirut, Lebanon, pp. 79 - 82.
- 5) **Mohammad A. M. Abushariah**, and Majdi Sawalha, (2013). The Effects of Speakers' Gender, Age, and Region on Overall Performance of Arabic Automatic Speech Recognition Systems Using the Phonetically Rich and Balanced Modern Standard Arabic Speech Corpus. *Second Workshop on Arabic Corpus Linguistics (WACL-2), in conjunction with the Corpus Linguistics 2013 Conference*, United Kingdom.
- 6) Majdi Sawalha, Eric Atwell, and **Mohammad A. M. Abushariah**, (2013). Accelerating the Processing of Large Corpora: Using Grid Computing for Lemmatizing the 176 Million Words Arabic Internet Corpus. *Second Workshop on Arabic Corpus Linguistics (WACL-2), in conjunction with the Corpus Linguistics 2013 Conference*, United Kingdom.

- 7) A. F., Ahmad Khan, O., Mourad, A. M. K. B., Mannan, H. B. A. M., Dahan, and **M. A. M., Abushariah**, (2013). Automatic Arabic Pronunciation Scoring for Computer Aided Language Learning. *IEEE Proceedings of the International Conference on Communications, Signal Processing, and their Applications (ICCSPA'13)*, Sharjah, United Arab Emirates.
- 8) M., Sawalha, E., Atwell, and **M. A. M., Abushariah**, (2013). SALMA: Standard Arabic Language Morphological Analysis. *IEEE Proceedings of the International Conference on Communications, Signal Processing, and their Applications (ICCSPA'13)*, Sharjah, United Arab Emirates.
- 9) A. A. M., Abushariah, T. S., Gunawan, J. Chebil, and **M. A. M., Abushariah** (2012). Voice Based Automatic Person Identification System Using Vector Quantization. *IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2012)*, Kuala Lumpur, Malaysia, pp. 549 – 554.
- 10) A. A. M., Abushariah, T. S., Gunawan, J. Chebil, and **M. A. M., Abushariah** (2012). Automatic Person Identification System Using Handwritten Signatures. *IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2012)*, Kuala Lumpur, Malaysia, pp. 560 – 565.
- 11) **Mohammad A. M. Abushariah**, Raja N. Ainon, Roziati Zainuddin, Moustafa Elshafei, and Othman O. Khalifa (2010). Phonetically Rich and Balanced Speech Corpus for Arabic Speaker-Independent Continuous Automatic Speech Recognition Systems. *IEEE Proceedings of the 10th International Conference on Information Science, Signal Processing and their Applications (ISSPA 2010)*, 10 – 13 May 2010, Kuala Lumpur, Malaysia.
- 12) **Mohammad A. M. Abushariah**, Raja N. Ainon, Roziati Zainuddin, Moustafa Elshafei, and Othman O. Khalifa (2010). Natural Speaker-Independent Arabic Speech Recognition System Based on Hidden Markov Models Using Sphinx Tools. *IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2010)*, 11 – 13 May 2010, Kuala Lumpur, Malaysia.
- 13) **Mohammad A. M. Abushariah**, Raja N. Ainon, Roziati Zainuddin, Othman O. Khalifa, and Moustafa Elshafei (2010). Phonetically Rich and Balanced Arabic Speech Corpus: An Overview. *IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2010)*, 11 – 13 May 2010, Kuala Lumpur, Malaysia.

- 14) Ahmad A. M. Abushariah, Teddy S. Gunawan, Othman O. Khalifa, and **Mohammad A. M. Abushariah** (2010). English Digits Speech Recognition System Based on Hidden Markov Models. *IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2010)*, 11 – 13 May 2010, Kuala Lumpur, Malaysia.
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