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| **CURRICULUM VITAE**  |

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| **PERSONAL INFORMATION**  |

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| **Name**  |

 | **MOH'D H.S. ALRASHDAN** |
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|  **Address**  |

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| **MA’AN, JORDAN**  |

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|  **Telephone**  |

 | 00962\*\*\*\*\*\*\* or 00962\*\*\*\*\*\*\*\* |
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|  **E-mail**  |

 | Mhsport1983@yahoo.comMhsport1983@gmail.comMoh.alrashdan@ahu.edu.ju |
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|  **Nationality**  |

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| Jordanian  |

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| **WORK EXPERIENCE**  |

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| * **Dates (from – to)**
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| * **Name and address of employer**
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| * **Occupation or position held**
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| * **Dates (from – to)**
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| * **Name and address of employer**
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| * **Occupation or position held**
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| * **Main activities and responsibilities**
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| 25 September 2016-Now

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| Al-Hussein Bin Talal University, Ma'an, Jordan

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| **Assistant Professor**

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| Department of Electrical Engineering  |

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1 july 2018 – nowAl-Hussein Bin Talal University, Ma'an, Jordan

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| **Assistant Professor**

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| Head of Electrical Engineering Department  |

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| * **Dates (from – to)**
 |
| * **Name and address of employer**
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| * **Occupation or position held**
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| * **Main activities and responsibilities**
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 | 1st October 2009- 4th January 2016 The national university of Malaysia (UKM),Malaysia

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| **Teaching Assistant**  |

Lab instructor at institute of micro engineering and nanotechnology (IMEN) |
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| **EDUCATION** |

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| **PhD**  |

 | Electrical engineering -Bio MEMS ( Biomedical engineering and micro electro mechanical systems ) , National University of Malaysia (UKM) , BANGI –**MALAYSIA** | Feb 2016 |
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| **PhD Thesis:** Design and Modellingof Extremely Low Frequency MEMS Piezoelectric Micro Power Generator for Biomedical Applications. |

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|  **M.Sc.**  |

 | Electrical engineering-Microelectronics. National University of Malaysia (UKM),**MALAYSIA.**GPA: 3.59/4.0 | July 2007 |
|  | Master thesis :Adaptive noise filter to extract fetal ECG using VHDL. |
|

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| --- |
|  **B.Sc.**  |

 | Biomedical Engineering, Jordan University Of Science And Technology. **JORDAN**GPA: 70.9/100. | Feb 2006 |
|  | **Bachelor project:**Laser gun design for some medical applications  |
|  |  |
| **RESEARCH INTERESTS**  | * Biomechanics.
* MEMS fabrication technology.
* Piezoelectric materials.
* Power harvesting devices.
* Taguchi optimization method.
* COMSOL Multiphysics simulations
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| **MOTHER TONGUE** | **ARABIC** |
| **OTHER LANGUAGES** |  |
|  | **ENGLISH**  |
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| * Reading skills
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| * **Writing skills**
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| * **Verbal skills**
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| Excellent  |
| Excellent  |

 Excellent |
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|  | **BAHASA MALAYU**  |
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| * Reading skills
 |
| * **Writing skills**
 |
| * **Verbal skills**
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 | * Good
* Basic
* Good
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| **Honors and Awards** |  |
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| * A scholarship to peruse Ph.D. degrees at UKM, MALAYSIA, 2008-2016.
* JORDAN high education Scholarship with full tuition waiver for the undergraduate studies Sep. 2001-Feb. 2006.
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| **Computer Skills** | * AutoCAD
* MS Office (Word, Excel, PowerPoint)
* VHDL
* MATLAB
* COVENTOR WAR
* PSpice
* COMSOL Multiphysics
* Multisim.
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| **PUBLICATION LIST**  |  |
| **Published**  | 1. Alrashdan, M.H.S.; Hamzah, A.A.; Majlis, B.Y.; Aziz, M.F., "Aluminum nitride thin film deposition using DC sputtering," Semiconductor Electronics (ICSE), 2014 IEEE International *Conference on* , vol., no., pp.72,75, 27-29 Aug. 2014. doi: 10.1109/SMELEC.2014.6920798.
2. Alrashdan, MohdH.S.,AHamzah, AzrulAzlan, Majlis, BurhanuddinYeop. 2014. Design and optimization of cantilever based piezoelectric micro power generator for cardiac pacemaker.Microsystem Technologies. Volume 21, [Issue 8](http://link.springer.com/journal/542/21/8/page/1), pp 1607-1617.
3. Alrashdan, M.H.S.; Majlis, B.Y.; Hamzah, A.A.; Marsi, N., "Design and simulation of piezoelectric micro power harvester for capturing acoustic vibrations," *Micro and Nanoelectronics (RSM), 2013 IEEE Regional Symposium on* , vol., no., pp.383,386, 25-27 Sept. 2013doi: 10.1109/RSM.2013.6706556.
4. Mohd H.S Alrashdan, AzrulAzlanHamzah and BurhanuddinYeopMajlis,Process Development of Piezoelectric Micro Power Generator for Implantable Biomedical Devices,Micro and Nanosystems,volume 8, issue , pages 1-1, year 2016, issn 1876-4029/1876-4037, doi 10.2174/1876402908666160104234119,(http://www.eurekaselect.com/node/138293/article) .
5. Alrashdan, M.H.S.; Hamzah, A.A.; Majlis, B.Y., "RF sputtered PZT thin film at MPB for piezoelectric harvester devices," in *Micro and Nanoelectronics (RSM), 2015 IEEE Regional Symposium on* , vol., no., pp.1-4, 19-21 Aug. 2015doi: 10.1109/RSM.2015.7355018.
6. Alrashdan, Mohd H. S. and Hamzah, AzrulAzlan and Majlis, BurhanuddinYeop", "Power density optimization for MEMS piezoelectric micro power generator below 100 Hz applications", "Microsystem Technologies",year="2017", month="Nov", day="07" issn="1432-1858", doi="10.1007/s00542-017-3608-1", url="https://doi.org/10.1007/s00542-017-3608-1
7. Mohd H.S Alrashdan ,Sadam Q.M Nabhan.’’(2017)Acceleration Magnitude and Resonance Frequency of Piezoelectric Micro Power Generator with Bridge Full Wave Rectifier Storage System’’ Innovative Systems Design and Engineering.ISSN 2222-1727 (Paper) ISSN 2222-2871 (Online) Vol.8, No.8, 2017
8. Mohd H.s Alrashdan\*, Mohammad Zayed Ahmed and Amir Abu-Al-Aish,Modeling and Optimization of Frequency Tunable Piezoelectric Micro Power Generator,Micro and Nanosystems,volume 10, issue , pages 1-8, year 2018, issn 1876-4029/1876-4037, doi 10.2174/1876402910666180118125520
 |
|  |  |
| **Accepted**  | 1. Mohammad Zayed Ahmed, Mohd H.S. Alrashdan, Amir Abu-Al-Aish” MEMS 3D-MicroTransformer Fabrication on PCB Using Electrodeposition Method. international journal of power electronics
 |
|  |  |
|  | 1. Mohd H.S Al-Rashdan, Abed-Alrahman M.S Al-Sharqi ‘’ Neutral Floating Problem Elimination in Three Phase Four Line Power Distribution System Using Grounding the Neutral Transformer Line’’ International Review on Modelling and Simulations (IREMOS).
2. Mohd H.S Alrashdan , Abed-Al-Rahman M.S Al-sharqi, Mutasem Al-Sharqi “ multi-variables, single objective optimal power flow of ieee-30 bus system using particle swarm optimization, artificial bee colony, and cuckoo search algorithms. 2018. Electrical Engineering journal
 |
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| **Referees** |  |
|  | 1. **Prof Dato' Dr. Burhanuddin YeopMajlis**

Email:  burhan@ukm.edu.my Phone +603 89118021 or +603-89256930 .1. **Assoc. Prof. Dr. AzrulAzlanHamzah**

Phone: +603-89118540Email:  azlanhamzah@ukm.edu.my.1. **Assoc. Prof. Dr. JumrilYunas**

Email:jumrilyunas@ukm.edu.myPhone +603-89118541  |