

Dr. Ahmad. M. A. Al Rub

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Personal Information	Nationality: Jordanian Address: Amman-Jordan Marital Status : Married	
Related Work Experience	1. Associate Prof . Jouf University-Saudi Arabia 2. Deputy Dean of Academic Research Deanship Al Hussein Bin Talal University – Jordan 3. Associate Prof. in physics Al Hussein Bin Talal University – Jordan 4. Chairman of Physics Department Al Hussein Bin Talal University – Jordan 5. Assistant Prof. in Physics Al Hussein Bin Talal University – Jordan 6. Lecturer in Physics Al Hussein Bin Talal University – Jordan 7. Physics Tutor – Malaysia 8. University Science Malaysia (USM) 9. Physics Teacher The Ministry of Education – Kingdom of Saudi Arabia 10. Physics Teacher. The Ministry of Education – Jordan 11. Teaching Assistance in Lab University of Jordan – Jordan	Sep-2018/Present 2016-Sep to Sep-2018 Fep/2016 2012 to 2013 2010 Sep/2009 2008 to 2009 1996 to 2005 1992 to 1995 1991 to 1993

Education	1- Secondary School Certificate /Amman-Jordan - Excelant degree-1987 2- B.Sc in Physics – University of Jordan / Amman- Jordan - v.good degree -1991 3- M.Sc in Physics (Nuclear Physics) – University of Jordan /Jordan-v.good degree-1994. The Titel of the Dessiertation (Measurments of the width of nuclear levels by using nuclear resonance absorpsion technique) 4- PhD in Theoritical Condensed Matter- Ferroelectric – Universiti Sains Malaysia-2009. The Title of the Dissertation (Landau Theory of Free Standing and Epitaxial Ferroelectric Film)		
Course Taught	<table border="0"> <tr> <td> Solid state physics Semiconductor physics Vibrations and Waves Statistical Mechanics Classical Mechanics I, II Electrodynamics I, II Mathematical Physics I, II Quantum Mechanics I,II </td><td> General physics First year lab Advanced lab. Optics lab. </td></tr> </table>	Solid state physics Semiconductor physics Vibrations and Waves Statistical Mechanics Classical Mechanics I, II Electrodynamics I, II Mathematical Physics I, II Quantum Mechanics I,II	General physics First year lab Advanced lab. Optics lab.
Solid state physics Semiconductor physics Vibrations and Waves Statistical Mechanics Classical Mechanics I, II Electrodynamics I, II Mathematical Physics I, II Quantum Mechanics I,II	General physics First year lab Advanced lab. Optics lab.		
International Academic Papers & Publications	1. Yoshihiro Ishibashi, Makoto Iwata and Ahmad M.A. Musleh : "Exact Expressions for Some Dielectric Properties of Ferroelectric Thin Films Based on the____Tilley-Zeks Model". <i>Journal of the Physical Society of Japan</i>, 76 (10), (2007), p. 104702. (Japan). (ISI Clarivate Analyitics, Scopus Q1) 2. Lye-Hock Ong, Ahmad Musleh and Junaidah Osman:" Switching Behaviours of Ferroelectric Systems of Finite Size <i>Ferroelectrics</i>, 375, Issue 1, (2008), pp. 115-121. ", (UK) (ISI Clarivate Analyitics, Scopus Q3) 3. Lye-Hock Ong, Ahmad Musleh and Junaidah Osman:" Surface Effects on Switching in Ferroelectric Films", <i>Jurnal Fizik Malaysia</i> 29 (1&2) (2008), p. 11(Malaysia). 4. Lye-Hock Ong and Ahmad Musleh : "Tilley-Zeks Model in Switching Phenomena of Ferroelectric Films", 380, Issue 1,(2009) pp.150-159 <i>Ferroelectrics</i> (UK). (ISI Clarivate Analyitics, Scopus Q3) 5. Ahmad M. Musleh, Lye-Hock Ong, and D. R. Tilley: " Effects of Extrapolation Length δ on Switching Time and Coercive Field", <i>Journal of Applied Physics</i> 105, (2009), p. 061602 (USA). (ISI Clarivate Analyitics, Scopus Q1) 6. Ahmad Musleh and Ong Lye Hock : " Temperature and Electric Field Influences on Polarization Reversal of Ferroelectric Thin Film", <i>AIP Conf. Proc.</i> -- July 7, 2009 -- Volume 1150, pp. 274-277 FRONTIERS IN PHYSICS: 3rd International Meeting; doi:10.1063/1.3192253 (USA).		

7. **Ahmad Musleh Alrub** : " The Effect of Electric Filed on Surface and Center of Ferroelectric Film-*Jordan Journal of physics*", **3**, Issue 1, 2010, pp.31-40 **Jordan**.
(ISI Clarivate Analyitics)
8. **Ahmad Musleh Alrub**, Lye-Hock Ong : " Thickness Dependence of Switching time and Coercive Field in Ferroelectric thin Films", *J. Appl. Phys.* **109**, 084109 (2011) (USA).
(ISI Clarivate Analyitics, Scopus Q1)
9. L.-H. Ong, **A. M. Alrub** and K.-H. Chew: "EFFECT OF STRAIN ON BARIUM TITANATE EPITAXIAL FILMS" *Key Engineering Materials* Vol. 547 (2013) pp 139-144 (Switzerland). (Scopus Q3)
10. **Ahmad Musleh Alrub**, Lye-Hock Ong : " Switching properties of first-order ferroelectric thin films" *Eur. Phys. J. B* (2015) 88: 9 (France).
(ISI Clarivate Analyitics, Scopus Q2)
11. Ghadeer N. Al Shabaan, Salem F. El-Nimri, **Ahmad Musleh Alrub**” Impact and Recommendations for AHU 2MW PV Plant” *Innovative Systems Design and Engineering* www.iiste.org ISSN 2222-1727 (Paper) ISSN 2222-2871 (Online)Vol.6, No.1, 2015 (USA)
12. **Ahmad Musleh Alrub**, Lye-Hock Ong, K.-H. Chew, J.M. Khoshman, Ghadeer N. Al Shabaan, Rawa'ah Abu Hilaleh: “ phase transition of BiMnO₃ multiferroic thin film by Landau theory” *International Journal of Modern Physics B*. Vol. 30 (2016) (Singapore).
(ISI Clarivate Analyitics, Scopus Q3)
13. **Ahmad Musleh Alrub**, Kok-Geng Lim Khian-Hooi Chew. Effect of magnetic and electric fields on electrical and magnetic properties of multiferroic BiMnO₃ films. *Journal of Magnetism and Magnetic Materials* . 458 (2018) 285–291.
Elsevier (ISI Clarivate Analyitics, Scopus Q2)
14. **Ahmad Musleh Alrub**, Study the surface effect on BiMnO₃ multiferroic thin film by using Landau theory. *Surface Science*. **681** (2019) 70–75
Elsevier (ISI Clarivate Analyitics, Scopus Q1)

International Conferences	1. Ahmad Musleh Alrub. ICE 2017 19th International Conference on Electroceramics London United Kingdom August, 20-21, 2017. 2. Ahmad Musleh Alrub. Conference of ICTAM-AMF10- Delhi University.-7-11 November-2016. Susceptibility and pyroelectric coefficients of BiMnO₃ Multiferroics. 3. <u>Ahmad Musleh Alrub</u>, Conference on Long-Range-Interacting Many Body Systems: from Atomic to Astrophysical Scales (25/07/2016 - 29/07/2016). Abdus Salam International Centre for Theoretical Physics, Italy. 4. <u>Ahmad Musleh Alrub</u>, Lye-Hock Ong, K.-H. Chew Surface effect on Multiferroic BiMnO₃ “Eighth International Petra School in Physics” . Amman Jordan (11-14 April, 2016) 5. Ahmad Musleh Alrub, Lye-Hock Ong” Switching Properties of First-Order Ferroelectric Thin Films” AMF-AMEC-2014 The Joint Conference of 9th Asian Meeting on Ferroelectrics & 9th Asian Meeting on Electroceramics Oct. 26-30, 2014, Shanghai, China. 6. Ahmad Musleh Alrub, Lye-Hock Ong” Landau Theory for Investigating Switching Properties of First- Order Ferroelectric Thin Film” Oral Presentation at the 8th Asian Meeting on Electroceramics 2012 (AMEC-8), held at Shangri-La 's Rasa Sayang Resort and Spa, Penang, Malaysia on 1-5 July,2012. 7. <u>Ahmad Musleh</u> Lye-Hock Ong :” Phase Transitions of Strained Barium Titanate Epitaxial Films has been accepted for an Poster presentation at IMF-ISAF-2009”, which will be held in Shaanxi Zhangbagou Guesthouse, in Xi'an, China during August 23 to 27, 2009. 8. <u>Ahmad Musleh</u> Lye-Hock Ong: "Temperature and Electric Field Influences on Polarization Reversal of Ferroelectric Thin Film",Third international Meeting Frontiers of Physics (IMFP), Awana Genting Highlands Resort, Kuala Lumpur, Malaysia on the 12-16th January 2009. 9. <u>Ahmad Musleh</u>, Lye-Hock Ong, and Junaidah Osman: " <i>Effects of Extrapolation Length delta on Switching Time and Coercive Field</i>", Proceedings of International

	Symposium on Integrated (ISIF 2008), Biopolis, Singapore. 10. Ahmad Musleh, Lye-Hock Ong, and Junaidah Osman: " <i>Effects of Compressive Stress on Ferroelectric Epitaxial Films</i>, Proceedings of National Physics Conference PERFIK (2007), Kuala Lumpur. 11. Lye-Hock Ong, Ahmad Musleh, and Junaidah Osman: " <i>Polarization Profiles of Bilayered Ferroelectric Films</i>, Proceedings of National Physics Conference PERFIK (2006), Kuala Lumpur. 12. Ahmad Musleh, Lye-Hock Ong, and Junaidah Osman: " <i>Electric Effects on Polarization Profiles of Ferroelectric Thin Film</i>, Proceedings of National Physics Conference PERFIK (2006), Kuala Lumpur.
Particular Skills	▪ Fortran programmer ▪ Numerical Analysis User ▪ Excellent command of writing, reading and understanding English. ▪ Experience working with diverse group of people. ▪ Excellent organizational, interpersonal and communication skills. ▪ Demonstrated ability to meet deadlines and work under pressure. ▪ Strong attention to details.
Awards	1. SAGA grant, Academy of Sciences Malaysia (Grant No: 304/PFIZIK/653018/A118) from 1-9-2006 to 31-12-2007. 2. University Science Malaysia Fellowship from 1-1-2008 to 31-12-2008
Languages	▪ Arabic ▪ English
References	Name : Dr. Ong Lye Hock Job Title : School of Physics – Universiti Sains Malaysia (USM) – Malaysia E-Mail : onglh@usm.my Name : Prof. Dr. Junidah Osman Job Title : Malaysia E-Mail : junaidah_osman2003@yahoo.com : junaidah_physics@hotmail.com Name : Prof. Dr. Marouf Khalil Abdallah Job Title : Lecturer / University of Jordan – Jordan E-Mail : marofkh@ju.edu.jo Name : Prof. Dr. Abed Al Haleem Wriekat Job Title : Lecturer / University of Jordan – Jordan E- Mail : wriekat@jaec.gov.jo