

CURRICULUM VITAE

لاسم: الأستاذ الدكتور خلف عبد العزيز الخليف المساعيد اجنسية: أردني

البعدي . تاريخ الولادة: 1957/12/20

عنوان العمل: قسم الأشعة- كلية العلوم الطبية التطبيقية - جامعة العلوم والتكنولوجيا الأردنية- إربد الأردن.

Name : KHALAF ABDEL - AZEZ AL - KHLAEIF (K.A. AZEZ)
PRESENT STATUS : Professor of Radiation Physics Promotion date June 2006.

PLACE OF BIRTH : 20/12/1957 Syria.

NATIONALITY : Jordanian MARITAL STATUS : Married

Address in Jordan: Department of Allied Medical Sciences, College of Applied Medical Sciences-

Department of Physical Sciences -College of Sciences & Arts-

Jordan Univ. of Science and Technology, Irbid, Jordan- P.O.Box 3030,

Irbid 22110, Jordan.

E-mail khalaf@just.edu.jo ,,,, OR,,, khalaf_2000@yahoo.com

Mobile: 00962-798322967 Home: 00962-2-7103502

DEGREES:

1. B. Sc. **PHYSICS. 1982** Al- MUSTANSIRIYAH UNIVERSITY- BAGHDAD. M. Sc. 2. **PHYSICS. 1987** UNIVERSITY OF RAJASTHAN - JAIPUR- INDIA. **PHYSICS. 1990 UNIVERSITY OF RAJASTHAN - JAIPUR - INDIA.** 3. Ph. D. 4. Visiting Prof. 1996 -1997 UNIVERSITY OF ARKANSAS - ARKANSAS, U.S.A. **Visiting Prof.** 1997 -1998 5. PURDUE UNIVERSITY- West Lafayette-INDIANA- U.S.A. Visiting Prof. 1993 Edinburgh University - Scotland - U. K. 6.

COMMITTEE'S:

- 1. Member of the Board of Trustees of Al Al-Bayt University) (AABU) جامعة آل البيت
- 2. SESAME Jordanian National committee of "Synchrotron Light for Experimental Science and Application in Meddle East "Under the auspices of <u>UNESCO</u>.
- 3. Consultant Radiologist, King Fahad Specialist Hospital Programme (KFSH-D) Ministry of Health, kingdom of Saudi Arabia Since 2007-2008-2014-2015.
- 4. MIT (Massachusetts Institute of Technology –USA) BLOSSOMS, Blended Learning Open Source Sciences or Math Studies.
- 5. Expertise Committee of Orientation, Supervision and Development of Schools Text Books in Physics, Jordanian Education Ministry, Jordan 2010-2014.
- 6. EDITORIAL BOARD of Jordan Journal of PHYSICS (JJP) An International Peer- Reviewed Research Journal Higher Education Ministry and Scientific Research Jordan. (2010-2014).

- 7. Council Membership Center for Theoretical and Applied Physical Sciences (CTAPS), Yarmouk University, Irbid Jordan. 2009- 2013.
- 8. Higher Research Committee for Jordan University of Science and Technology, 2009-2013.
- 9. Consultant for Vice President of IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY Professor Fahd AbdulAziz Al- Mohanna Since 2015/2016 -2016/2017- 2017/2018-2018/2019.
- 10. Consultant for Vice President for Academic Affairs of IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY Professor Gazi Al- Otabi Since 2015/2016 -2016/2017- 2017/2018-2018/2019.
- 11. Consultant for President of IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY Since 2015/2016 -2016/2017.

AWARDS:

- 1. BLOSSOMS = Blended Learning Open Source Science or Math Studies. Large Free repository of Video modules for high school Science and Maths classes CREATED BY GIFTED VOLUNTEER TEACHERS from around the world, Seeded initially by (Massachusetts Institute of Technology (M.I.T.), USA) Faculty members and Partnering Educators in Jordan and Pakistan (2009). http://blossoms.mit.edu/library.html
- 2. King Fahad Fellowship as visiting Professor <u>Arkansas University</u> U. S. A. 1996-1997.
- 3. King Fahad Fellowship as Visiting Professor at Arkansas University, U. S. A. 1998.
- 4. Scholarship from Jordan University of Science and Technology, Arkansas University, U. S. A, (1997-1998).
- 5. License from Jordan Nuclear Regulatory Commission (JNRC).
- 6. <u>Muslim World League Makkah Al- Mukarramah, Scholarship For Ph.D</u> (1988-1989-1990).
- 7. Summer Visit to National Renewable Energy Laboratory Colorado, USA 1999.
- 8. Visiting Professor Purdue University Summer 2014 and 2015.

Working Experiences:

- 1. Vice- Dean of Research Jordan University of science and Technology 2013 2015.....
- 2. Vice- Dean of College of Applied Medical Sciences, from 2010-2012.
- 3. Head of Diagnostic Radiology , College of Applied Medical Sciences , University of Hail, kingdom of Saudi Arabia-2011-2012.

- 4. Head of Physics Department 2008-2009. Jordan University of science and Technology, Irbid, Jordan.
- 5. Head of Physics Department 1998-1999. Jordan University of science and Technology, Irbid, Jordan.
- 6. Head of Physics Department, Medical college, king Faisal University, Kingdom of Saudi Arabia, 2000, 2001, 2002, 2003, 2004.
- 7. Consultant Radiologist, King Fahad Specialist Hospital Programme Radiation Therapy- Ministry of Health, kingdom of Saudi Arabia (2007).
- 8. Accreditation Council Committee, Ministry of higher Education and Scientific Research (2006-2010) Jordan.

TEACHING EXPERIENCE:

- 1. I have taught (MDRD 811) for Saudi Board for Radiology (Part I) Since 2000-2001-2002-2003-2004. Medical college, king Faisal University, Dammam, Kingdom of Saudi Arabia.
- 2. I have taught Post Graduate Resident in King Faisal University Fellow in Radiology (2000-2001-2002-2003-2004. Dammam, Kingdom of Saudi Arabia.
- 3. Radiation Physics RA210 RA211
- 4. Radiographic Equipment RA 344
- 5. Magnetic Resonance Imaging (MRI) RA 480
- 6. Ultra Sound <u>RA 380</u> (Radiological Sciences)
- 7. Biomedical Application for Physio-Therapy
- 8. Nuclear Physics
- 9. Vibration and Waves
- 10. Modern Physics
- 11. Advanced Lab. Of Modern Physics
- 12. Optics & Optics Lab.
- 13. Mathmatical Physics
- 14. Materials Properties & Heat
- 15. Solid State Physics
- 16. Electromagnetism

Academic Duties

A) Teaching and conducting examinations. B) Carrying out innovative research and studies. C) Supervising graduate theses and scientific or social research, guiding students academically and ethically, and monitoring their activities and reports. D) Providing academic advising. E) Participating in university councils and committees, as well as in those in which the university is represented. F) Undertaking any activity that promotes the university and contributes to its advancement. G) Dedicating oneself to academic responsibilities within the university, striving to enhance its scientific mission, and maintaining the level befitting its status in research, teaching, guidance, and administration. H) Serving the community and contributing to its development.

MEMBERSHIPS:

- 1. Higher Research Committee for Jordan University of Science and Technology, 2009 2011.
- 2. SESAME Jordanian National committee of "Synchrotron Light for Experimental Science and Application in Meddle East "Under the auspices of UNESCO. 2009-2010.

- 3. EDITORIAL BOARD of Jordan Journal of PHYSICS (JJP) An International Peer- Reviewed Research Journal Yarmouk University- Irbid- Jordan. 2009-2011.
- 4. Center of Theoretical and Applied Physics Council, Yarmouk University, Irbid Jordan. 2009- 2011.
- 5. University Council membership for (2006-2007), Jordan University of Science & Technology ,Irbid Jordan .
- 6. University Council membership for (1993-1995), Jordan University of Science & Technology ,Irbid Jordan .
- 7. Faculty of Science Council Membership for (2009 -2010). Jordan University of Science & Technology, Irbid Jordan.
- 8. Faculty of Science Council Membership for (2008 -2009) . Jordan University of Science & Technology, Irbid Jordan.
- 9. Faculty of Science Council Membership for (2006 -2007) . Jordan University of Science & Technology, Irbid Jordan.
- 10. Faculty of Science Council Membership for (2005 -2006) . Jordan University of Science & Technology, Irbid Jordan.
- 11. The American Physical Society, USA, (1997) up to now.
- 12. Faculty of Science Council Membership for (1995-1996). Jordan University of Science & Technology, Irbid Jordan.
- 13. International Disordered System Associates Society (INDIAS), (INDIA)

ORGANIZING COMMITTEE' FOR INTERNATIONAL CONFERENCES

- 1. First and Second Radiation Awareness Day- King Fahad Specialist Hospital- Dammam (KFSHD) Saudi Arabia (2007)
- 2. Organizing Committee for the Second Symposium on Computational Condensed Matter Physics held at Yarmouk University from (6 8 Nov. 1995).
- Organizing Committee for the Third Symposium on Computational Condensed Matter Physics held at Yarmouk University from (3-5) Nov. 1997.
- 4. National Jordanian Liaising Committee of "45th International Field Emission Symposium "held at Jordan University of Science and Technology, Irbid, Jordan, from (12 18) Sept. 1998.

OTHER PROFESSIONAL ACTIVITIES:

- 1. Department Research Committee (1998 1999)
- 2. Library Committee Supplies, (1998 1999)
- 3. Department Research Committee, Chairman (1997-1998)
- 4. Department Research Committee, Chairman (1995-1996)
- 5. Department Library Committee Supplies, Chairman (1994 1995)
- 6. Department Library Supplies Committee, Chairman (1993 1994)
- 7. Department Tenders Committee , (1994 1995)

- 8. Library Committee Supplies for the College of the Science (1995 1996)
- 9. Student Affair Committee for the College of Science (1995 1996)
- 10. Department Tenders Committee, (1993 1994)

PROJECTS GRANTED:

- 1. "Gamma irradiation effect on Bi2Sr2Ca2Cu3O thick film", Dean ship of Academic of Research, J. U.S.T.
- 2. "Charge Transfer of Liquid Alloys". Dean ship of Academic of Research, J. U.S.T.
- 3. "DACs for high- Pressure measurement using Ruby fluorescence Techniques" Funded by N. S. F. at Department of Physics, Arkansas University, U. S. A.
- 4. "AC and DC Magnetization Studies of Reentrant and Spin-Glasses Behavior for bulk Alloys "Funded by N. S. F., with at Department of Physics, Arkansas University, U. S. A.
- 5. "Sample Preparation to Study the electrical and Magnetic Properties" Funded by N. S. F. with Professor Mike McElfresh Department of Physics, Purdue University, U. S. A.

VISITING POSITIONS:

- 1. Visiting Professor to Professor Mike McElfresh Director Material Research Institute Lawrence Livermore National Laboratory Livermore CA –USA-2015.
- 1. Visiting Professor Purdue University Summer 2014.
- 2. Visiting Prof. To the Department of Physics, Arkansas University, USA, 1998/1999.
- 3. Visiting Prof. to the Department of Physics, Purdue University, 1997.
- 4. Visiting Prof. to the Department of Physics , University of Arkansas USA, 1996/1997.
- 5. Visiting Prof. To the Department of Physics, Edinburgh University, U. K. 1993.
- 6. Visiting Prof. to the Department of Physics, University of Rajasthan, Jaipur, India 1991-1992.

FIELD OF RESEARCH:

Condensed Matter Physics Exp. As well as Theo. & Gamma Irradiation for materials.

BOOKS:

Condensed Mattar Physics , Narosa Publishing House, INDIA

GRADUATE RESEARCH PROJECT:

Master Students Supervise and Examining

- 1. Wafaa Elshaar: Effect of gamma irradiation on BSCCO Superconductors (2006)
- 2. Suliman Barhoum: Effect of Mn doping on YBCO Superconductor (2006)
- 3. Enas M. Hamasha: Electric Field Assisted Crystallization of Amorphous Silicon Films for Solar Cells Applications (2008).

LIST OF PUBLICATIONS

1- "Establishment of National diagnostic reference level as guidelines for computed tomography radiation in Jordan"

Haytham Al Ewaidat 1 | Sara Balawi 2 | Ziad Bataineh3 | Ahmed Al-Dwairi 4 | Majd Al-Khalily5 | Khalaf Abdel Azez1 | Ali Almakhadmeh6.

International Journal of Imaging Systems and Technology, Published in 12 January 2023.

- 2- "The knowledge and perception among medical imaging professionals in Jordan during swift growth of the COVID-19 Pandemic"
 Haytham Al Ewaidat, Ziad Bataineh, Rob Davidson, Abedelmalek Tabnjh and Khalaf Al-Masaid, *Medical Image Analysis* Volume 76, February 2022.
- 3- "Dating and Analytical Study of Archaeological Teeth and Bone from Tell al-Husn and Yasila in North Jordan by Fourier Transformation Infrared (FTIR) and (FT) Raman Spectroscopies "Journal of Archaeological Science- Accepted for Published in (2018).
- "Photoacoustic measurement of thermal diffusivity of Fe-Mn-Al and Fe-Zn -Al alloys".
 K. A. Azez
 Accepted for Published in (2018).
- 5- "AC and DC Magnetization Studies of the Reentrant Spin Glass Behavior"
 - " International Conference on Superconductivity and Magnetism (ICSM 2014) " $\,$

K. A. Azez ,25-30 April 2014, Antalya – Turkey.

- 6- "Effect of Gamma Irradiation on Fe-Co-Al Alloys" K. A. Azez Physica B, published in (2017).
- 7- "Photoacoustic measurement of thermal diffusivity of Fe-Cr-Al and Fe-V-Al alloys". K. A. Azez Journal of Alloys and Compounds, 424 (2011).
- "Influence of Extremely Low Energy Radiation on Artificial Tissue: Effects on Image quality and superficial dose. *Spectroscopy:*M-Ali H. Al-Akhras, Aljarrah, K, Al-omari, A., H. M. Al-Khateeb, B. A. Albiss, K. A. Azez, G. Makhadmeh. *An international journal* 22 (2009) pp 419-428
- 9- "The Rotational magnetic process and effects of Gamma irradiation on vortex flux pinning in Tl-2223 at low temperatures",
 - M.K. Hasan, J. Shobaki, I.A. Al-Omari, B.A. Albiss, M.A. AlAkhras, K.A. Azez, A.K. El-Qisari and J.S. Kouvel, Super. Cond. Scien and Technol., 12, (2008) 606.

- "Effect of Gamma irradiation on the transport critical current density of Tl₂Ba₂Ca₂Cu₃O₁₀", M.K. Hasan, M.A. Al-Akhras, B.A. Albiss, I.A. Al-Omari, K.A. Azez and J. Shobaki, Super. Cond. Scien. &Technol., 12, (2007) 1106
- 11- Effect of Gamma Irradiation on polycrystalline Tl₁Ba₂Ca₂Cu₃O_y Superconductor B. A. Albiss, A. El-Ali, K. Khasawnieh, M. K. Hassan, I. A. Omari, K. A. Azez, J. Shobaki J. Physica B 321, (2002) 324-327
- 12. "Synchrotron light for Experimental Science and Applications in the Middle east" SESAME, 10/5/2006, Amman, Jordan.
- 13. "Synchrotron light for Experimental Science and Applications in the Middle east" SESAME, 7/5/2009, Amman, Jordan.
- "Symposium on the Technology of Peaceful Nuclear Energy"
 14 16 October 2008, Center for Theoretical and Applied Physical Sciences, Yarmouk University, Irbid, Jordan.
- 15. "1st International Nuclear & Renewable Energy Conference" (INREC'10) 21-24 March, 2009, Amman, Jordan.
- 16. "the 3th International Symposium on Nuclear Energy" (ISNE-10) 15-17 December, 2010 Amman, Jordan.
- 17. "2nd Radiation Awareness Day" as speaker, dated on 9 /7/ 2007, king Fahad Specialist Hospital –Dammam, Kingdom of Saudi Arabia.
- 18. "Polycrystalline YBa₂Cu₃O _{7-δ} with Nano-Sized Al₂O₃ Inclusions" B. A. Albiss, K. A. Azez, J.Supercond. Nov. Magn. (2014) 23: 1333-1340.
- "AC and DC Magnetization Studies of the Reentrant Spin Glass Behavior"
 "International Conference on Superconductivity and Magnetism (ICSM 2014)"
 6K. A. Azez ,25-30 April 2014, Antalya Turkey.
- 20. "Effect of Gamma Irradiation on Fe-Co-Al Alloys" K. A. Azez Physica B, published (2014).
- "Photoacoustic measurement of thermal diffusivity of Fe-Cr-Al and Fe-V-Al alloys".
 K. A. Azez
 Journal of Alloys and Compounds, 324 (2011).
- "Spin Glass Transition on Fe _{0.6} Cr _{0.1} Al _{0.3} and Fe _{0.6} Ti _{0.1} Al _{0.3}"
 K. A. Azez J. Mater. Sci: Mater. Electron. (2006) 17: 621-623.
- 23. Photoacoustic measurement of thermal diffusivity of Fe-Co-Al alloys. K. A. Azez Journal of Alloys and Compounds, 424 (2006) 4-6.
- Tempearture Dependence of Vortex Flux Pinning in Polycrystalline YBa₂Cu₄O₈"
 M.K. Hasan (Qaseer), K.A. Azez and N.Y. Ayoub, J. of Alloys and Compounds, 387 (2005) 44.
- 25. "Disappearance of the Reentrant Spin Glass phase in Fe_{0.7-x}R_xAl_{0.3}, (R = Mn or V)",

- M.K. Hasan(Qaseer), K.A. Azez, N.Y. Ayoub, Acta Physica Slovaca, 54 (2004) 459.
- 26. "Power Law Behavior of Tl₁ Ba₂ Ca₂ Cu₃ O₃ Superconducting Tapes" B. A. Albiss, A. El-Ali and K. A. Azez J. Phys. Stat. Sol. (c) 1, No. 7, 193/3, (2004).
- 27. "Temperature Dependence of Vortex Flux Pinning in Melt Textured Superconductors", I.A. Al-Omari, M.K. Hasan (Qaseer), A. Rais, K.A. Azez Phys. Stat. Sol. 1C (2004)1821
- Effect of adding V-atoms and Co-atoms in the spin glass transition temperature of Fe(1-x)M(x)Al(0.30) alloys"
 K. A. Azez J. Acta Physica Polonica vol. 103 (2003) 471-476..
- 29. "Effect of Mn Concentration on the Spin Glass transition Temperature of Fe_{0.7-x}Mn_xAl_{0.3} alloy", K.A. Azez, M.K. Hasan (Qaseer), I.A. Al-Omari, J. of Alloys and Compounds, 360 (2003)69.
- 30. "Temperature Dependence of Vortex Flux Pinning in Polycrystalline GdBa₂Cu₃O₇", K.A. Azez, J. Shobaki, M.K. Hasan (Qaseer), and I.A. Al-Omari, J. of Alloys and Compounds, 346 (2002) 260.
- 31. "Magnetic, X-ray diffraction, and Mössbauer Spectroscopy Studies of Nd₂Fe₁₅Ga₂C_x magnets", J. Shobaki, I.A. Al-Omari, M.K. Hasan, K.A. Azez, S.H. Mahmood, and D.J. Sellmyer, Physica B, 321 (2002) 173.
- 32. "Mössbauer Spectroscopic and Structure Investigation of the Fe_{0.7-x}T_{ix}Al_{0.3} Alloy System", K.A. Azez, I.A. Al-Omari, J. Shobaki, M.K. Hasan, G.M. Al-Zoubi, and H.H. Hamdeh, Physica B 321 (2002) 178
- 33. "The Paramagnetic Contribution in the Magnetization Behavior of Y_{1-x}Gd_xBa₂Cu₃O₇", A El Ali, K. A. Azez, I.A. Al-Omari, J. Shobaki, M.K. Hasan (Qaseer), B.A. Albiss, Kh.Khaswnieh, KH. A. Ziq, and A.F. Salem, Physica B 321 (2002) 320
- 34. "Magnetic and Structural Properties of GdFe_{2-x}Ti_x Alloys", I.A. Al-Omari, M.A. Al-Akras, M.K. Hasan, J. Shobaki, and K.A. Azez, J. Alloys and Compounds 319, (2001) 34.
- 35. "Mossbouer and Structural Studies of Fe_{0.7-x}V_xAl_{0.3} alloys", J. Shobaki, I.A. Omari, M.K. Hasan, K.A. Azez, M.Ali H. Al-Akhras, B.A. Albiss,H.H. Hamdeh, and S.H. Mahmood, J. Mag. Mag. Matt. 213, (2000) 51.
- 36. "Dissipative Behavior of Sliver Sheated Bi_{1.8}Pb_{0.4}Sr₂Ca₂Cu₃O_x tape,
 B.A. Albiss, M.K. Hasan, M.A. Al-Akras, K.A Azez, I.A. Al-Omari, A. Shariah, J. Shobaki, and H. Ozkan, Physica C 331, (2000) 97.
- 37. Application of Linear Potential for the Prediction of bulk Modulus of Binary Metallic Glasses P. C. Agrawal K. A. Azez Condensed Matter Physics, Narosa Publishing House (1999).
- 38. The Effect of Voltage on the Response Time of P⁺ nn⁺ Silicon A.P.D. Detectors H.A.Al-Hilli. S.K.J.Al-Ani and K.A.Azez, Iraqi.J. Sci. Vol. 40c, No. 2, (1999).
- 39. "Dielectric Screening and Elastic and Thermodynamic Properties Metallic Glass Ca 70 Mg 30". P. C. Agarawal, K. A. Azez and C. M. Kachhava

XXIII National Seminar on Crystallography Organized by Department of Physics, Malaviya Regional Engineering College, (March 23-25) 1999 Jaipur - India.

- AC and DC Magnetization Studies of the Reentrant Spin Glasses
 K. A. Azez, etal Presented at March meeting, held by American Physical Society at Los Angeles, California16-20 March 1998, U.S.A.
- 41. Structural Phase Transformation of II-VI compound s Under High Pressure K. A. Azez, A. Nazzal and A. Qteish
 Presented at March meeting, held by American Physical Society at Kansas city 17-21 March 1997, U.S.A.
- Effect of Screening On Resistivity of Liquid Metals
 K. A. Azez and I. A. Al- Omari Acta Physica Polonica A Vol. 92 (PP 563- 568) 1997
- 43. Temperature dependence of excess entropy for liquid alloys R. N. Singh and K. A. Azez J. Phys . Chem. Liq. (Vol. 33-PP-85-92) 1996 U.K.
- 44. Resistivity of Liquid Metals on Veljkovic Slavic Pseudopotential K. A. Azez SPIE Vol. 2780 (PP 113 116) 1996 U.S.A.
- 45. Study of Phonon Dispersion in Metallic Glasses
 K. A. Azez and A. K. Ray J. Mat . Sci. Vol. 8 (PP 7-8) 1997 . U.K
- 46. Charge Transfer in Binary liquid alloys

 K. A. Azez 6th International Workshop of Electronic Properties of Metal/Non-Metal Microsystems-Charles Univ. Praque (1997).
- Pseudopotential Method for Band Structure Energy of Liquid Metals
 K. A. Azez
 The Society of Photo Optical Instrumentation Engineering's SPIE Vol. 2780 (PP 110-112) 1996
 U.S.A
- Dielectric Screening and Phonon Dispersion in Metallic Glasses
 P. C. Agrawal K. A. Azez and C. M. Kachhava, Phys. Stat. Sol. (b) 178. 303 (1993).
- "Bulk Modulus and Pseudopotential in Metallic Glasses"
 P.C. Agarwal , K. A. Azez and C.M. Kachhava 8th International Conference on Rapidly Quenched and Metastable Materials .Organized by Institute for Materials Research Tohoku University , Sendai (August 1993), JAPAN
- 50. Dielectric Screenings and Elastic and Thermodynamic Properties of Metallic Glasses P. C. Agrawal K. A. Azez and C. M. Kachhava Acta Physica Hungarica, 72, (1992).
- Dynamic of Binary Metallic Glass Cu 57 Zr 43
 P. C. Agrawal K. A. Azez and C. M. Kachhava Acta Physica Hungarica 71 (3-4), PP. 233-238 (1992) Hungary
- 52. Compressibility of Liquid Metals
 K. A. Azez, P. C. Agrawal and C. M. Kachhava Acta Physica Hungraica 70 (1-2), PP. 15-19 (1991)
 Hungary.
- Cohesive Energy and Compressibility of Liquid Alkali Metals
 K. A. Azez and C.M. Kachhava India Journal of Pure & Applied Physics Vol. 29, PP. 811-813 (1991) India.
- 54. Cohesive Energy of Liquid Metals

K. A. Azez, M.M. Gupta and C. M. Kachhava Acta Physica Hungarica 68 (1-2) PP. 41-45 (1990) Hungary.

CONFERENCES / WORKSHOPS/ SEMINAR ATTENDED

- 1. "International Symposium on high Temperature Superconductivity" held at Department of Physics,
 University Of Rajasthan, Jaipur, India (6-7) July 1988.
- 2. "Refresher Course in Condensed Matter Physics" held at Department of physics, University of Rajasthan Under the Academic staff Orientation Scheme 'University of Grant Commission" of INDIA, (24th March-15th April) 1989.
- 3. "Hydrogen Energy, Workshop- Cum Review Committee Meeting" held at Department of Physics,
 University of RaJasthan, Jaipur, INDIA, (6-7 July) 1989.
- 4. "National Conference on Disordered Materials "held at Department of Physics, University of Rajasthan, JAIPUR, Jaipur, India (18-21 Oct.) 1989.
- 5. "Third National Conference on Positron Annihilation and \ Compton Profile "held at Department of Physics, University of Rajasthan, Jaipur, INDIA, (17-20 Jan.) 1990.
- 6. "International Workshop on Physics of Materials" held at Barakatullah University Bohopal, INDIA, (Jan. 22-3 Feb.) 1990.
- 7. "2nd National Conference on Disordered Materials", held at HARCOURT BUTLER TECHNOLOGICAL INSTITUTE, KANPUR, INDIA, (21-23 Dec.) 1991.
- 8. "XXIII National seminar on Crystallography ", held at Department of physics Malaviya Regional Engineering college, Jaipur, INDIA, (23-25 Nov.) 1992.
- 9. "First Symposium on Recent Development in Computational condensed Matter Physics" held at Department of physics, University of Yarmouk, Irbid, Jordan (16-18 Nov.) 1992.
- 10. "4th International Workshop on Electronic Properties of Metal andNon- Metal Micro Systems" held at Sheffield Hallam University, SHEFFIFLD. U. K. (1-6 Sept.) 1993.
- 11. "Workshop in Testing and evaluation", held at J.U. S. T. from (23-25 Jan.) 1993.

- 12. "3th Workshop on VAN DE GRAAFF Accelerators in Research, Training and Technological Applications" (ARTTA, 95), held at physics Department, University of Jordan, Amman (14-17 August)1995.
- 13. "5th International Workshop on Electronic Properties of Metal/ Non Metal Micro Systems "held at Technical University of Wroctaw, Poland, (11-14 Sept.) 1995.
- 14. "Second Symposium on the Recent Development In Computational Condensed Matter physics". held at Department of physics, Yarmok University Irbid, Jordan (6-8 Nov. 1995).
- 15. "First workshop on Application of Computers for Physics Teaching "held at Yarmouk University (8-10 April) 1996. Irbid Jordan.
- 16. "March meeting in Kansas city "held at Kansas by American Physical society from (17-21 March) 1997, USA.
- 17. "Third symposium on computational condensed Matter Physics "held at Yarmouk University by "The Center for Theoretical and Applied Physics from (3-5 Nov.) 1997, Irbid Jordan.
- 18. "Workshop for the Chairman of Physics Departments at Arabian University for using the Computer in Developing the Teaching of the Physics" held at Yarmouk University from (16-19 Nov.) 1997, Irbid Jordan.
- 19. "Workshop in Test and Evaluation" held at J. U. S. T. from 24 26 Jan. 1998.
- 20. " The 3th International Conference on Solar Electricity: Photovoltaics and Solar Thermal Technology", held at UAE, Sharjah March (21 25) 1998.
- 21. "The First Annual Scientific Day of the Faculty of Science & Arts" held at J.U.S.T, (May 18) 1998, Irbid, Jordan.
- 22 " Workshop in Testing and Evaluation " held at J. U. S. T. Irbid , Jordan, from (13 -17 June) 1998.
- 23. "45th International Field Emission Symposium "held at JUST, Irbid, Jordan from (12 18 Sept.) 1998.
- 24. "Third Symposium On Magnetic" held at Yarmouk University, Irbid, Jordan (2 4 Nov.) 1998.
- 25. "American Physical Society, Centennial Meeting" Held at Atlanta from 20-26, 1999, Georgia, USA.
- 26. "International Conference on Physics and Chemistry of Molecular and Oxide Superconductors "KTH, Stockholm, Sweden, July 28- August 2, 1999.
- 27. "Process and Equipment Control In Microelectronic Manufacturing "EUROPTO, held at Edinburgh,
 U. K. from (19-21 May) 1999.
- 28. " Workshop on Information Technology (IT) in Higher Education" Organized and

- Sponsored by The Association of Arab Universities and University of Jordan, from April (10-11) 1999.
- 29. "Workshop on EFFECTIVE TEACHING" held on the 8th of December 1999 at King Fahd Hospital of the king Faisal University, Al-Khobar, Kingdom of Saudi Arabia.
- 30. "Second GCC Conference of Faculties of Medicine" held on 15 & 16 November 2000, at King Fahd Hospital of the University king Faisal, Al-Khobar, Kingdom of Saudi Arabia.
- 31. "Third GCC Conference of Faculties of Medicine on Medical Education" held (16-18 December 2002), at College of Medicine and Health Sciences, Sultan Qaboos University, Muscat, Sultanate of Oman.
- 32. "Second Symposium of Scientific Research and Technology Development in Arab World "SRO2, held on (24 27 March) 2002, University of Sharjah, UAE.
- 33. "Third Symposium of Scientific Research and Technology Development in Arab World" SRO3, held on (11-14 April) 2004, King Abdul Aziz City for Science and Technology, Kingdom of Saudi Arabia.
- 34. "National conference on condensed Matter and Materials Physics (CMMP 06) Department of Physics, The M.S. University of Baroda, India- 19-21 Jan. 2006.
- 34. "Synchrotron light for Experimental Science and Applications in the Middle east "SESAME, 10/5/2006, Amman, Jordan.
- 36. "2nd Radiation Awareness Day" as speaker, dated on 9 july 2007, king Fahad Specialist Hospital –Dammam, Kingdom of Saudi Arabia.
- 37. "Symposium on the Technology of Peaceful Nuclear Energy"
 14 16 October 2008, Center for Theoretical and Applied Physical Sciences, Yarmouk University, Irbid, Jordan.
- 38. "First International Euro-India Conference on Holistic Medicine" August 21-23, 2008. Kottayam, Kerala, India.
- 39. "The International Conference on Materials in Jordan" Humboldt Kolleg, 4-6 March-2009, German Jordanian University (GJU). Amman, Jordan.
- 40. "Synchrotron light for Experimental Science and Applications in the Middle east" SESAME, 7/5/2009, Amman, Jordan.
- 41. "workshop on computational physics using WIEN2K package" Center for theoretical and Applied physical sciences (CTAPS) 2 August 2009, Yarmouk University, Irbid-Jordan.
- 42. "Third Arab International conference in Physics and Materials Science" CPMS -2009. Held at University of Alexandria Egypt 20-22/10/2009.
- 43. "International Conference on Superconductivity and Magnetism (ICSM 2010)"

- 25-30 April 2010, Antalya Turkey.
- 44. "First Yarmouk School for Computational Condensed Matter and Nano Systems"
 October 31- November 4, 2010. Yarmouk University, Irbid, Jordan.
- 45. "1st International Nuclear & Renewable Energy Conference" (INREC'10) 21-24 March, 2009, Amman, Jordan.
- 46. "the 3th International Symposium on Nuclear Energy" (ISNE-10) 15-17 December, 2010 Amman, Jordan.
- 47. "Research and higher Education: A Discussion Hosted by Columbia University Middle East Research Center" 5/4/2011 Amman.
- 48. "Global Conference on Renewable Energy and Energy Efficiency for Desert Regions (GCREEDER 2011) The University of Jordan Amman 26 April 2011.
- 49. "International Conference on Superconductivity and Magnetism (ICSM 2014)
 "25-30 April 2014 Antalya Turkey.
- 50. "The 32 Congress of the International Academy of Pathology" Dead Sea- Jordan- 14-18 October 2018.
- 51. BLOSSOMS = Blended Learning Open Source Science or Math Studies. Large Free repository of Video modules for high school Science and Maths classes <u>CREATED BY GIFTED VOLUNTEER TEACHERS</u> from around the world, Seeded initially by (Massachusetts Institute of Technology (M.I.T.), USA) Faculty members and Partnering Educators in Jordan and Pakistan (2009).

http://blossoms.mit.edu/library.html



Professors Richard Larson and Walter Lewin are pictured above with Jordan BLOSSOMS Project Manager, Rana Abuzeid Qubain, and BLOSSOMS Project Manager (Massachusetts Institute of Technology, USA), Elizabeth Murray, at the Jordan University of Science and Technology with Professor khalaf Abdel Azez with Lewin and Larson who will create BLOSSOMS videos.

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