Marwa Thamer Mahmood

PhD in electron Optics

Mosul, Iraq

Profile

I work in the Physics Department of the College of Science at the University of Mosul as a teacher. Researches has been conducted in the field of electron optics and with regard to the electron microscope. A group of simulation programs have been used to study the properties of these systems and improve their work.

Employment History

Research Assistant / Department of Physics / College of Science / University of Mosul
November 2006 – July 2007

Assistant Lecturer at University of Mosul, IRAQ
August 2007 – September 2012

Lecturer at University of Mosul, IRAQ
September 2012

Education

Doctor of Philosophy, University of Mosul, Iraq
October 2012 – October 2019

Design and Fabrication of the Magnetic - Deflecting and Focusing System of the Electron Beam.

Master of Science (M.Sc.) in electron optics, University of Mosul, IRAQ
October 2004 – May 2007

Design of the electrostatic lenses of the multi-electrodes

Bachelor of Science (B.Sc.), University of Mosul, IRAQ
October 2000 – July 2004

Courses

The powers of teaching, University of Mosul, IRAQ
2007

Teaching methods, University of Mosul, IRAQ
2007

Computer efficiency, University of Mosul, IRAQ
2011

Internet & Computing Core **Certification,**
2012

TOEFL CERTIFICATES
2012

Teaching methods, University of Mosul, IRAQ
2011

Arabic language safety course, University of Mosul, IRAQ
22/4/2018 to 29/4/2018

Arabic language safety course, University of Mosul, IRAQ
20/8/2020 to 27/8/2020

Details

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DATE / PLACE OF BIRTH
1982/01/12
IRAQ

DRIVING LICENSE

Social Profiles

ResearchGate
https://www.researchgate.net/profile/Marwa_Thamer3

Orcid
https://orcid.org/0000-0002-1126-7718

Skills

- Electron microscope
- Types of lens
- Deflectors
- Finite Element Method
- Semiconductor materials
- Physical optics

Languages

Arabic

English

Hobbies

Reading
Shopping

References

Assistant Professor Dr. Abdullah Idress Mostfa
abdulla hidress @uomosul.edu.iq

Assistant Professor Alaa abd- alhakeim
alaahakeim@uomosul.edu.iq

Lecture Rana Waleed
ranawaleed@uomosul.edu.iq

Conferences

Participation Research in the first international conference for engineering sciences held at the University of Aleppo, Faculty of Medicine / Syria, for the period (2-4) November 2008, ""The Effect of Multi-electrodes on the Optical Performance of Electrostatic Immersion Lenses" .

Workshops

Participation in many workshops within the country, Arab and international as a participant.

Resent Publications

Al-Khshab, M.A.; Al-Shamma, M. T. (2009). "The Effect of Multi-electrodes on the Optical Performance of Electrostatic Immersion Lenses" *Dirasat Journal,* Vol. 36, No.2, pp. 171-182.

Al-Khshab, M. A. ; Al-Shamma, M. T. (2009). "Minimizing the Aberration of the Unipotential Electrostatic Lenses of Multi-Electrodes" *Dirasat Journal*, Vol. 36, No.2, pp. 183-193.

Abd-Hujazie, N. S.; Al-Shamma, M. T.; Al-Hialey, Z. M. (2010). "The Investigation of the True and Focal Zoom-Lens Properties of Five-Element Cylindrical Electrostatic Lens" *Raf. J. Sci.,*Vol. 21, No.3, pp. 40-51.

4. Jamil, N. J. ; Mahmood, M. T. ; Mustafa, N. A. (2012). "The Optical and Electrical Properties of CdSe Thin Films Prepared by CBD Technique" *Raf. J. Sci.,* Vol. 23, No.1, pp. 116-125.

Al-Shamma, M. T.(2013). "Minimization of the Projector Focal Length of the Double Air Gap Electromagnetic Lenses" *Raf. J. Sci.,* Vol. 24, No.1, pp. 98-107.

Al-Khshab, M. A. ; Al-Shamma, M. T. (2018). "The Effect of the Geometrical Parameters on the Characteristics of the Saddle Magnetic Deflector*"* *Raf. J. Sci.,* Vol. 27, No.4, pp. 48-56.

Al-Khshab, M.A. ; Al-Shamma, M. T. (2019). "Improvement of the Optical Performance of the Geometrical Parameters of Snorkel Magnetic Lens" *Raf. J. Sci.,* Vol. 28, No.1, pp. 85-97.