

سيرة ذاتية / عربي



المعلومات الشخصية

الاسم الرباعي و اللقب : د . هشام عبد الملك عبد المجيد محسن العيداتي
الجنس : ذكر
تاريخ التولد : 1962 / 3 / 1
الحالة الاجتماعية : متزوج
السكن : بغداد – المدائن – جسر ديالى
الجنسية : عراقية

اللغات

اللغة الام : العربية

معلومات الاتصال

رقم الهاتف : 07723204027
البريد الالكتروني : hishamabid62@gmail.com

الخبرات العملية

- 1- خبرة في مجال الضمانات النووية للمنشآت النووية العراقية السابقة للفترة 1988-1995
- 2- خبرة في مجال التصميم البصري لمنظومات التركيز الشمسي للتطبيقات المختلفة وكالاتي:

أ – تصميم طبق شمسي عاكس للتطبيقات الحرارية في عام 2008.
ب- تصميم عاكس مرأوي لمحرك ستيرلنك في عام 2009.
ج- تصميم و بناء منظومة بصرية للنارة البديلة خلال النهار بأستخدام الالياف البصرية للفترة 2012-2013.

- 3- خبرة التصميم البصري لمنظومات الليزر و كالاتي:
- تصميم منظومة ليزرية معززة بالليزر لقياس مدى الرؤيا في المطارات لعام 2010.

- 4- خبرة في مجال الاتصالات بالالياف البصرية و كالاتي:

- نقل البيانات المضمنة بالليزر بين حاسبتين باستخدام الاليف البصرية لعام 2011.

المؤهلات العلمية

درجة البكالوريوس في الفيزياء من جامعة البصرة سنة 1984
درجة الماجستير في الفيزياء من الجامعة التكنولوجية سنة 2000 عن اطروحة "المحاكاة
الرقمية لنظام قرص التضمين"
درجة الدكتوراه في البصريات الالكترونية من الجامعة التكنولوجية سنة 2006 عن رسالة
"دراسة تحليلية عن منظومة الكشف و التتبع الليزري"

الدورات التدريبية

دورة تدريبية في مجال برنامج زيماكس للتصاميم البصرية في الهند سنة 2011 .

البحوث المنشورة

- 1 – " *Truncated tetrahedral prism technique for meeting a laser tracking criteria in LDTS*", Kuffa Conference, October 2010.
- 2 – "*Refractive beam expander optical design for Nd:YAG laser harmonics for 7 Km detection range*", Education College 19th Conference/ Al Mustansyria University , April 2012.
- 3 – "*Determination of optimum laser expansion ratio for Nd:YAG harmonics for different ranges*" , Science College's 19th Conference of Dayiala University , May 2012.
- 4 – " *Comparison Study of Nd:YAG Laser Propagation and its Harmonics in Atmospheric Pollutants for Remote Sensing*", Madenatalalm College, 2nd Environmental Conference , October 2012.
- 5 – " *Simulation of Indoor Solar Illumination for a Library Hall for Baghdad City*", Joint Conference between Science College – Baghdad University and Pure Science of Education College – Babylon University, November 2012
- 6 – "*Simulation Study on Effect of Atmospheric Scintillation for Laser Detection & Tracking System Design*", 1st Women Conference in Ministry of Science & Technology, December 2012.
- 7 – "*Optical Design Optimization for Indoor Solar Illumination Using Truncated Tetrahedral Pyramid Concentrator*", Education College 20th Conference/ Al Mustansyria University, April 2013.

8 – "Studying the Effect of Solar Concentrator Type on Small Signal Gain for Pumping Nd:YAG Crystal ", Science College, 4th Conference, Dhi Qar University, May 2013.

9 – "Simulation Study for Optimization of Parabolic Solar Dish Components for Thermal Applications", Ministry of Industry & Minerals Conference, October 2013.

10 – "Optical Engineering for Solar Passive Illumination Using Optical Fiber", University of Technology, Advanced Material Conference, November 2013.

11 – " Effect of Beam Expander Design on Near and Far Laser Detection and Tracking System (LDTS)", Journal of Education for Women – Baghdad University, May 2013.

12- "Optical Forward Scattering Property Employment for measuring the

Atmospheric Visibility"", Journal of Education for Women –Baghdad University, May 2014.

13- "Fiber optic Sensors for Measurement of Refractive Index of Liquids

by Using Fresnel Ratio Meter", *International Journal of Application or Innovation in Engineering & Management (IJAIEM)* Web Site: www.ijaiem.org Email: editor@ijaiem.org. Volume 4, Issue 8, August 2015, ISSN 2319 – 4847.

14- "Influence of Thickness on Optical and Sensitivity Properties of MgO Thin Films Deposited by RF Magnetron Sputtering", Journal of Education for Women –Baghdad University, May 2016.

15- "Laser Aided Optical System Design for Near and Far Airplanes Detection", Journal of KUT University College – Researches , Studies & Publishing Center, ISSN – 2414-7419 2019.

16- " Laser Detection and Tracking Performance of Atmospheric Target", 3rd Women Conference in Ministry of Science & Technology, March 2019.

17- "*Formation and Possibility Detection of Initiated Electron Cloud
in the Vicinity of Radioactive materials*",
Journal of KUT University College – Researches, Studies &
Publishing Center, ISSN – 2414- 7419 2020.

C.V.



Name & personal brief

Full Name : Dr. Husham Abdul Malek Abdul Majeed Al-idani
Sex : Male
Date of Birth: 01 – 03 - 1962
Social Status : Married
Residence : Baghdad – Madian – Jisr Dyala
Nationality : Iraqi

Languages

Mother tongue: Arabic

Contact info

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Experience

- **Experience in field of Nuclear Safeguards for previous Iraqi nuclear instillations for the period 1988 to 1995.**
- **Experience in field of Optical Design for solar concentrating system for different applications as follows:**

- A – Designing Solar Reflecting Dish for Thermal Applications, in 2008.**
- B – Designing Specular Reflector for Sterling Engine, in 2009.**
- C – Design and construction of an Optical System for alternative daylighting Illumination by Using Optical Fiber, in 2012 – 2013.**

- Experience in field of Optical Design for Laser Systems as follows:

A – Design an Aided Laser Optical System for Measuring Visibility in Airports, in 2010.

- Experience in field of Optical Fiber Communication as follows:

A – Laser Modulated Data Transfer between Two PCs by Optical Fiber, in 2011.

- Working now on Study of Pulsed Laser – Induced Avalanche Air Breakdown for Detecting Remote Radioactive Materials.

Education

- Bs.C degree in Physics from Basra University in 1984.**
- Ms.C degree in Physics from university of Technology in 2000. Ms.c degree thesis is "*Digital Simulation of Reticle System*".**
- Ph.D degree in Optoelectronics from University of Technology in 2006. Ph.D degree thesis is "*An Analytical Study on A laser Detection and Tracking System*".**

Training Courses

Training course in Zemax software for optical design in India (2011).

Published Researches

- 1 – "*Truncated tetrahedral prism technique for meeting a laser tracking criteria in LDTS*", Kuffa Conference, October 2010.**

- 2 – "*Refractive beam expander optical design for Nd:YAG laser harmonics for 7 Km detection range*", Education College 19th Conference/ Al Mustansyria University , April 2012.
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- 8 – "*Studying the Effect of Solar Concentrator Type on Small Signal Gain for Pumping Nd:YAG Crystal* ", Science College, 4th Conference, Dhi Qar University, May 2013.
- 9 – "*Simulation Study for Optimization of Parabolic Solar Dish Components for Thermal Applications*", Ministry of Industry & Minerals Conference, October 2013.
- 10 – "*Optical Engineering for Solar Passive Illumination Using Optical Fiber*", University of Technology, Advanced Material Conference, November 2013.
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Atmospheric Visibility", Journal of Education for Women –Baghdad University, May 2014.

13- "*Fiber optic Sensors for Measurement of Refractive Index of Liquids*

by Using Fresnel Ratio Meter", *International Journal of Application or Innovation in Engineering & Management (IJAIEM)* Web Site: www.ijaiem.org Email: editor@ijaiem.org. Volume 4, Issue 8, August 2015, ISSN 2319 – 4847.

14- "*Influence of Thickness on Optical and Sensitivity Properties of MgO Thin Films Deposited by RF Magnetron Sputtering"*, Journal of Education for Women –Baghdad University, May 2016.

15- "*Laser Aided Optical System Design for Near and Far Airplanes Detection"*, Journal of KUT University College – Researches , Studies & Publishing Center, ISSN – 2414-7419 2019.

16- " *Laser Detection and Tracking Performance of Atmospheric Target"*, 3rd Women Conference in Ministry of Science & Technology, March 2019.

17- "*Formation and Possibility Detection of Initiated Electron Cloud in the Vicinity of Radioactive materials"*, Journal of KUT University College – Researches, Studies & Publishing Center, ISSN – 2414- 7419 2020.