

السيرة الذاتية

الدكتور مازن علي عبد علي

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ملخص تعريفي: أ.م.د. مازن علي عبد علي

I am working a Lecturer in the University of Mustansiriyah- College of Science- Physics Department

Research interests

- Optical wireless communications:
 - Free-space optics
 - Visible light communications
- Underwater wireless communications
 - Laser beam propagation

الشهادات الدراسية:

- B. Sc degree: University of Mustansiriyah- College of science-physics department, 2001-2002.
- M. Sc degree: University of Mustansiriyah- College of science-physics department, 2006.
- Ph. D degree: University of Mustansiriyah-College of science- physics department, 2011

الجوائز والتكريم الأكاديمي

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الخبرة الأكاديمية والتدريس:

- #1 دوره طرائق التدريس الجامعه المستنصرية / كلية التربية
- #2: المشاركة في عدد من ورش العمل تخص التعليم الاكاديمي

المقررات الدراسية التي تم تدريسها:

الدراسات الأولية

الدراسات العليا

الفيزياء الحديثة/ سنتين متتاليتين	-
كهرباء متقدم/ سنتين متتاليتين	

الانتساب المهني او الجمعيات:

- تدريسي في قسم الفيزياء/ كلية العلوم/ الجامعة المستنصرية
المنشورات العلمية

Papers publication in national journals

1. Free Space Lasers Propagation at Different Weather Conditions

Published in "AL-Mustansiriyah Journal of science", vol.23, no.2, 2012.

2. Effect of Atmospheric Attenuation on Laser Communications for Visible and Infrared Wavelengths

Published in "Journal of AL-Nahrain Univeraity –Science", vol.16, no. 3, 2013

3. Comparison of Laser Range Finder Mathematical models under Different Weather Conditions

Published in "College of education journal", AL-Mustansiriyah University, no. 1, 2013.

4. Spectroscopic properties of coumarin-120 organic dye

Published in "AL-Mustansiriyah Journal of science", vol. 24, no. 1, 2013.

5. 3D image reconstruction for wooden object based on laser triangulation Technique.

Published in "The 9th conference of the college of science, AL-Mustansiriyah University", 6-7 may, 2013.

6. Impact of atmospheric turbulence on the performance of FSO link, Journal of the College of Education, 2016.

Papers publication in international journals

1. Characterization of Fog Attenuation for Free Space Optical Communication Link.

Published in "International journal of electronics and communication engineering & technology", vol.4, no.3, 2013

2. Atmospheric Turbulence Effect on Free Space Optical Communications.

Published in "International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)", issue 5, vol.4, 2013.

3. 3D image reconstruction for symmetric wooden object based on laser triangulation.

Published in "International journal of image processing and application (IJIPA)", vol. 4, no. 2, 2013.

4. Analyzing of short range underwater optical wireless communications link.

Published in "International journal on electronics & communication technology (IJECT)", vol. 4, issue. 3, 2013.

5. Analysis Study of Rain Attenuation on Optical Communications Link

Published in "International Journal of Engineering, Business and Enterprise Applications (IJEBA)", vol. (6), no. (1), 2013.

6. Transmission of Optical Signals for Wireless Communications under Snow Attenuation Effect

Published in "American International Journal of Research in Science, Technology, Engineering & Mathematics", vol. (4), no. (1), 2013.

7. Analysis of Data Rate for Free Space Optical Communications System

Published in "International journal on electronics & communication technology", (IJECT), Vol. 5, Issue Spl-1, 2014.

8. Free Space Optical Wireless Communications under Turbulence Channel Effect

Published in "IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)", Vol. 9, Issue 3, Ver. III, 2014.

9. Comparison of NRZ, RZ-OOK Modulation Formats for FSO Communications under Fog Weather Condition. International Journal of Computer Applications, vol. 108, no. 2, 2014.

5. FSO Communication Characteristics under Fog Weather Condition, International Journal of Scientific & Engineering Research, Vol. 6, Iss. 1, January-2015
6. Performance Analysis of Fog Effect on Free Space Optical Communication System, IOSR Journal of applied physics, Vol. 7, Iss. 2, Ver. I, 2015.
7. Characteristics of Optical Channel for Underwater Optical Wireless Communication System, IOSR Journal of Electrical and Electronics Engineering, Vol. 10, Iss. 2 Ver. I, 2015.
8. Performance of FSO Communication System under Various Weather Condition, Advances in Physics Theories and Applications, Vol. 43, 2015.
9. Transmitter Inclination Angle Characteristics for Underwater Optical Wireless Communication in a Variety of APD Detectors, world scientific news, vol. 45, no. 2, 2016
10. Performance Analysis of WDM-FSO Link under Turbulence Channel, world scientific news, vol. 46, 2016.
- 11. Characteristics of optical channel for an Underwater Optical Wireless Communications Based on Visible Light**, Australian Journal of Basic and Applied Sciences, **vol.9, no.23, 2015**
- 12. Comparison of Modulation Techniques for Underwater Optical Wireless Communication Employing APD Receivers**, **vol.10, no.6, 2015.**

Research Journal of Applied Sciences, Engineering and
Technology.

تطوير المهارات:

المؤتمرات

- مشاركة في المؤتمر الدولي الاول للفيزياء في التنمية المستدامة بالتعاون مع مؤسسة IEEE بالبحث الموسوم

" Underwater Optical Wireless Communications (UOWC) Based on Visible Light", 1ST International Conference on Physics for Sustainable Development, 28-30, October, AL Nahrain university, college of science, 2014.

- مشاركة في المؤتمر الدولي الاول لتطبيقات الليزر والمواد المتقدمة – الجامعة التكنولوجية بالبحث الموسوم

" Theoretical Investigation of Suitable Modulation Techniques for Short Range Underwater Optical Wireless Communication Employing APD Receivers", 1ST International Conference on Laser Applications and Advanced Materials , 16-18, December, University of Technology, 2014.

- مشاركة في مؤتمر الفيزياء بوابة التقدم العلمي – الجامعة المستنصرية / كلية التربية بالبحث الموسوم

" BER Characteristics for Underwater Optical Wireless Communication", The 21st Conference of the College of Education, Al-Mustansiriyah University 22-23 April 2015.

Curriculum Vitae

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Assistant Professor Dr. Mazin Ali A. Ali

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3. 3D image reconstruction for symmetric wooden object based on laser triangulation.

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9. Comparison of NRZ, RZ-OOK Modulation Formats for FSO Communications under Fog Weather Condition. International Journal of Computer Applications, vol. 108, no. 2, 2014.

17. FSO Communication Characteristics under Fog Weather Condition, International Journal of Scientific & Engineering Research, Vol. 6, Iss. 1, January-2015

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19. Characteristics of Optical Channel for Underwater Optical Wireless Communication System, IOSR Journal of Electrical and Electronics Engineering, Vol. 10, Iss. 2 Ver. I, 2015.

20. Performance of FSO Communication System under Various Weather Condition, Advances in Physics Theories and Applications, Vol. 43, 2015.

21. Transmitter Inclination Angle Characteristics for Underwater Optical Wireless Communication in a Variety of APD Detectors, world scientific news, vol. 45, no. 2, 2016

22. Performance Analysis of WDM-FSO Link under Turbulence Channel, world scientific news, vol. 46, 2016.

23.Characteristics of optical channel for an Underwater Optical Wireless Communications Based on Visible Light, Australian Journal of Basic and Applied Sciences, vol.9, no.23, 2015

24.Comparison of Modulation Techniques for Underwater Optical Wireless Communication Employing APD Receivers, vol.10, no.6, 2015_

Research Journal of Applied Sciences, Engineering and Technology.

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