

ABET Curriculum Vitae of:

Nazmi Azzam Mohammed

DEGREE	DISCIPLINE	INSTITUTION	YEAR
Ph. D.	Electrical Engineering	Alexandria Uni.	2010
M. Sc.	Electronics and communication	AASTMT	2004
B. Sc.	Electronics and communication	AASTMT	2002

AASTMT= Arab Academy for Science and Technology and Maritime Transport

Current Academic Rank: Associate Professor

Academic Experience:

1) Institution: Shaqra University

Rank: Associate Professor

Title: NA.

Dates: December 2018 – present

Full Time or Part Time: Full Time

2) Institution: Obour Technological Institutes- Egypt

Rank: Associate Professor

Title: Head of Electronics and communication Engineering Department

Dates: June 2017 – present (work vacation)

Full Time or Part Time: Full Time

3) Institution: Egypt Chinese University-Egypt

Rank: Associate Professor

Title: Associate professor in Electrical Engineering Department

Dates: March 2015 – June 2017

Full Time or Part Time: Full Time

4) Institution: AASTMT- Arab League

Rank: Assistant Professor

Title: Head of the optical communications and optoelectronics /photonics research group in AASTMT research center at Smart village, Cairo, Egypt.

Dates: 2010 – March 2015.

Full Time or Part Time: Full Time

5) Institution: AASTMT- Arab League

Rank: Lecturer

Title: (Head of schedules and exams units, member of NAQQE Unit, Member of ABET unit).

Dates: 2004 – 2010

Full Time or Part Time: Full Time

6) Institution: AASTMT- Arab League

Rank: Teaching assistant.

Title:

Dates: 2002 – 2004

Full Time or Part Time: Full Time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Scientific Reviewer at IEEE photonics technology letters- IET Optoelectronics.

Scientific Reviewer at Applied optics and Optics Express (OSA).

Scientific Reviewer at Optical and Quantum of Electronics and wireless personal communication (Springer).

Scientific Reviewer at Optik (Elsevier).

Egyptian Syndicate for Engineers, 2002 – Present.

Member of OSA.

Honors and Awards:

17 (seventeen) AASTMT reputed publishing awards for the years 2010 to March 2015.

Service Activities:

1) Several community services especially with Obour Technological Institutes (Charity, Literacy.....etc).

2) Mentoring students in international competitions and technological events especially with AASTMT as a Lecturer.

Principal Publications and Presentations of the Last Five Years:

JCR= Thomson Reuters Journal Citation Report

- 1] **Nazmi A. Mohammed**, Huda S. Abo Elnasr and Moustafa H. Aly, “Analysis and Design of an Electro-Optic 2x2 Switch Using Ti: KNbO₃ as a Waveguide Based on MZI at 1.3 μ m,” Optical and Quantum Electronics, Vol. 46, Issue 2, pp. 295-304, February 2014.

<http://dx.doi.org/10.1007/s11082-013-9760-7>

According to JCR 2012, Impact Factor=0.987, AASTMT scientific award.

- 2] **Nazmi A. Mohammed**, Taha A. Ali and Moustafa H. Aly, “Evaluation and Performance Enhancement for Accurate FBG Temperature Sensor Measurement with Different Apodization Profiles in single and Quasi- Distributed DWDM Systems,” Optics and Lasers in Engineering, Vol. 55, pp. 22-34, April 2014.

<http://dx.doi.org/10.1016/j.optlaseng.2013.10.013>

According to JCR 2012, Impact Factor=1.916, AASTMT scientific award.

- 3] **Nazmi A. Mohammed**, Asmaa M. Aly, Ahmed K. AboulSeoud and Moustafa H. Aly, “Indoor wireless optical communication systems: effect of ambient noise,” Optical Engineering, Vol. 53, Issue 5, pp. 055109(1-7), May 2014.

<http://dx.doi.org/10.1117/1.OE.53.5.055109>

According to JCR 2012, Impact Factor=0.88, AASTMT scientific award.

- 4] **Nazmi A. Mohammed**, Mohammad Solaiman, and Moustafa H. Aly, “Design and performance evaluation of a dispersion compensation unit using several chirping functions in a tanh apodized FBG and comparison with dispersion compensation fiber,” Applied Optics, Vol. 53, Issue 29, pp. H239-H247, October 2014.

<http://dx.doi.org/10.1364/AO.53.00H239>

According to JCR 2013, Impact Factor=1.649, AASTMT scientific award.

- 5] Taha A. Ali, Mohamed I. Shehata and **Nazmi A. Mohammed**, "Design and performance investigation of a highly accurate apodized fiber Bragg grating-based strain sensor in single and quasi-distributed systems," *Applied Optics*, Vol. 54, Issue 16, pp. 5243-5251, June 2015.
<http://dx.doi.org/10.1364/AO.54.005243>
 According to JCR 2014, Impact Factor=1.784, AASTMT scientific award.

- 6] **Nazmi A. Mohammed** and Mohammed Abd Elkarim, "Exploring the effect of diffuse reflection on indoor localization systems based on RSSI-VLC," *OPTICS EXPRESS*, Vol. 23, Issue 16, pp. 20297-20313, July 2015.
<http://dx.doi.org/10.1364/OE.23.020297>
 According to JCR 2014, Impact Factor=3.488, AASTMT scientific award.

- 7] Mohammed Abd Elkarim, **Nazmi A. Mohammed** and Moustafa H. Aly, "Exploring the performance of indoor localization systems based on VLC-RSSI, including the effect of NLOS components using two light-emitting diode lighting systems," *Optical Engineering*, Vol. 54, Issue 10, pp. 105110 (1-9), October 2015.
<http://dx.doi.org/10.1117/1.OE.54.10.105110>
 According to JCR 2014, Impact Factor=0.954, AASTMT scientific award.

- (E-book)
- 8] Amr S. El-Wakeel, **Nazmi A. Mohammed** and Moustafa H. Aly, *Performance Evaluation of Free Space Optical Communications*, ISBN-10: 978-3-659-85171-1, LAP LAMBERT Academic Publishing (Feb, 2016).
http://www.amazon.com/Performance-Evaluation-Space-Optical-Communications/dp/365985171X/ref=sr_1_1?s=books&ie=UTF8&qid=1457897711&sr=1-1&keywords=9783659851711

- 9] Mohamed I. Shehata and **Nazmi A. Mohammed**, "Design and optimization of novel two inputs optical logic gates (NOT, AND, OR and NOR) based on single commercial TW-SOA operating at 40 Gbit/s," *Optical and Quantum Electronics*, Vol. 48, Issue 6, June 2016.
<http://dx.doi.org/10.1007/s11082-016-0602-2>
 According to JCR 2014, Impact Factor=0.987, AASTMT scientific award.

- 10] AMR S. EL-WAKEEL, **Nazmi A. Mohammed** and Moustafa H. Aly, "Free space optical communications system performance under atmospheric scattering and turbulence for 850 and 1550 nm operation," *Applied Optics*, Vol. 55, Issue 26, pp. 7276-7286, Sep. 2016.
<http://dx.doi.org/10.1364/AO.55.007276>
 According to JCR 2015, Impact Factor=1.598, AASTMT scientific award.

- 11] **Nazmi A. Mohammed**, Khalil ElKhamisy and Moustafa H. Aly, "A simple and high performance soliton/SPM based pulse compression/reshaping unit," *OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS*, Vol. 10, Issue 11-12, pp. 821 - 824, Dec. 2016.
<https://oam-rc.inoe.ro/index.php>
 According to JCR 2015, Impact Factor=0.42.

- 12] **Nazmi A. Mohammed**, Khalil ElKhamisy and Moustafa H. Aly, "Pedestal Free Pulse Source for Ultrahigh Data Rate Optical Time Division Multiplexing Systems Self-Phase Modulation Based," *Journal of Nanoelectronics and Optoelectronics*, Vol. 12, Number 5, pp. 505-511(7), May 2017.
<https://doi.org/10.1166/jno.2017.2036>
 According to JCR 2015, Impact Factor=0.675

- 13] **Nazmi A. Mohammed** and Hatem O. El serafy, "Ultra-sensitive quasi-distributed temperature sensor based on an apodized fiber Bragg grating," *Applied Optics*, Vol. 57, Issue 2, pp. 273-282, Jan. 2018.
<https://doi.org/10.1364/AO.57.000273>
According to JCR 2017, Impact Factor=1.650.
- 14] **Nazmi A. Mohammed** and Nermeen M. Okasha," Single- and dual-band dispersion compensation unit using apodized chirped fiber Bragg grating", *J Comput Electron.*, vol. 17, Issue 1, pp. 349-360, Mar. 2018.
<https://doi.org/10.1007/s10825-017-1096-2>
According to JCR 2017, Impact Factor=1.526.
- 15] **Nazmi A. Mohammed** and kareem A. Badawy, "Design and Performance Evaluation for a Non-Line of Sight VLC Dimmable System Based on SC-LPPM," *IEEE Access*, Vol. 6, pp. 52393 - 52405, Sep 2018.
<https://doi.org/10.1109/ACCESS.2018.2869878/>
According to JCR 2017, Impact Factor=3.557.
- 16] Tamer S. Mostafa, **Nazmi A. Mohammed** and El-Sayed M. El-Rabaie, "Ultracompact ultrafast-switching-speed all-optical 4×2 encoder based on photonic crystal," ", *J Comput Electron.*, Early publication, Nov. 2018.
<https://doi.org/10.1007/s10825-018-1278-6>
According to JCR 2017, Impact Factor=1.526.