C.V

Dr. Ahmed Nabih Zaki Rashed

Employment History:
Dr. in Electronic and Electrical Communication Engineering Department , Faculty of Electronic Engineering, Menoufia University.
MSc.: University of Menoufia, 11/6/2005.
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Research Interests : In the area of Optical Communication Systems and all communication systems, all communication networks.

Dr. Ahmed Nabih Zaki Rashed is interested in the area of optical communications (Optical Sources, Detectors, Optical amplifiers, Optical cables, Optical networks, Optical measurements, Optical connectors, Different propagation phenomena in different optical channels, …… etc.). Other areas of interest are: The digital communication systems, communication networks, electronics field computer networks, planning networks, digital circuits, optical signal processing, digital filters, all types of communications, control systems and the computer software using different languages and different techniques.

-Computer Skills:

- **Microsoft Office (Word, Excel, Power point, Access, Outlook).**
- **International Computer Driving Licence, (ICDL) Certificate.**
- **Software Applications: MATLAB, and Fortran Programming.**

- List of Publications for MSc. Thesis:

[1] Farag Z. El-Halafawy, Abd Elnaser A. Mohamed, Abd Elfattah A. Saad, and **Ahmed Nabih Zaki Rashed***, "Polymer Optical Fibers in High Speed Optical Communication Systems", Proc. Of the 4th International Conference on Electrical Engineering, ICEENG, Military Technical College, Kobry Elkobbah, pp. 1-12, 23-25 Nov., Cario, Egypt, 2004.

[2] Farag Z. El-Halafawy, Abd Elnaser A. Mohamed, Abd Elfattah A. Saad, and **Ahmed Nabih Zaki Rashed***, "Performance of Polymer and Germania Doped Silica Optical Fibers in Advanced Communication Systems", Menoufia Journal of Electronic Engineering Research MJEER, Vol. 15, No. 2, pp. 99-112, July 2005.

- List of Publications for PH. D Thesis:

[1] Abd El-Naser A. Mohammed, Abd El-Fattah A. Saad, and **Ahmed Nabih Zaki Rashed***, "High Channel Arrayed Waveguide Grating (AWG) in Wavelength Division Multiplexing Passive Optical Networks (WDM-PONs)," IJCSNS International Journal of Computer Science and Network Security, Vol. 9, No. 1, pp. 253-259, Jan. 2009.

[2] Abd El-Naser A. Mohammed, Abd El-Fattah A. Saad, and **Ahmed Nabih Zaki Rashed*** and Mahomud Eid, "Characteristics of Multi-Pumped Raman Amplifiers in Dense Wavelength Division Multiplexing (DWDM) Optical Access Networks," IJCSNS International Journal of Computer Science and Network Security, Vol. 9, No. 2, pp. 277-284, Feb. 2009.

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[6] Abd El-Naser A. Mohammed, Abd El-Fattah A. Saad, and **Ahmed Nabih Zaki Rashed***,"Thermal Sensitivity Coefficients of the Fabrication Materials Based A thermal Arrayed Waveguide Grating (AWG) in Wide Area Dense Wavelength Division Multiplexing Optical Networks," International Journal of Engineering and Technology (IJET), Vol. 1, No. 2, pp. 131-139, June 2009.

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[8] Abd El-Naser A. Mohammed, Abd El-Fattah A. Saad, and **Ahmed Nabih Zaki Rashed***, "Spectral and Thermal Sensitivities of Inorganic-Organic Fabrication

Materials Based Arrayed Waveguide Grating (AWG) in Active and Passive Optical Networks (PONs)" International Journal of Intelligent Information Technology Application (IJIITA), Vol. 2, No. 3, pp. 91-98, June 2009.

Also accepted in IASTED IEEE International Conference on Wireless and Optical Communications (WOC 2009), 6-8 July 2009 in Bnaff, Alberta, Canada.

[9] Abd El-Naser A. Mohammed, Mohammed M. E. El-Halawany, **Ahmed Nabih Zaki Rashed***, and Mohamoud M. Eid "Recent Applications of Optical Parametric Amplifiers in Hybrid WDM/TDM Local Area Optical Networks," IJCSIS International Journal of Computer Science and Information Security, Vol. 3, No. 1, pp. 14-24, July 2009.

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[12] Abd El-Naser A. Mohammed and **Ahmed Nabih Zaki Rashed***, "Comparison Performance Evolution of Different Transmission Techniques with Bi-Directional Distributed Raman Gain Amplification Technique in High Capacity Optical Networks," International Journal of Advanced Engineering and Applications, Vol. 1, No. 1, pp. 1-9, Jan. 2010. **[Awarded as Best Paper].**

[13] Abd El-Naser A. Mohammed, Mohammed M. E. El-Halawany, **Ahmed Nabih Zaki Rashed***, and Amina M. El-Nabawy "Transmission Performance Analysis of Digital Wire and Wireless Optical Links in Local and Wide Areas Optical Networks," IJCSIS International Journal of Computer Science and Information Security, Vol. 3, No. 1, pp. 106-115, July 2009.

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[16] Abd El-Naser A. Mohammed, **Ahmed Nabih Zaki Rashed***, and Mahmoud M. Eid, "Important Role of Optical Add Drop Multiplexers (OADMs) With Different Multiplexing Techniques in Optical Communication Networks," International Journal of Computing, Vol. 9, No. 2, pp. 152-164, 2010.

- List of Publications After PH. D Thesis:

[1] Abd El-Naser A. Mohammed, Mohamed A. metawe'e, Ahmed Nabih Zaki Rashed, and Amina E. M. El-Nabawy "Unguided Nonlinear Optical Laser Pulses Propagate in Waters With Soliton Transmission Technique," International Journal of Multidisciplinary Sciences and Engineering (IJMSE), Vol. 2, No. 1, pp. 1-10, March 2011.

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[5] Abd El-Naser A. Mohammed, Nabil Ayad, Ahmed Nabih Zaki Rashed, and Hazem M. Hageen "Harmful Neutrons Irradiation and Thermal Effects on Soliton Transmission Bit Rates of Vertical Cavity Surface Emitting Lasers," Nonlinear Optics and Quantum Optics, Vol. 42, No. 2, pp. 161–173, October 2011.

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