

Curriculum Vitae

Dr. Wael Fawzi Abu Shehab

Date and Place of Birth: 21-05-1972 - Kuwait

Nationality: Jordanian

Marital Status: Married (3 children)

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Education:

Oct. 1997- Feb. 2001 Ph.D. in the Field of Electronics and Telecommunications, Faculty of Electrical Engineering and Informatics, VSB- Technical University of Ostrava, Czech Republic.

Title of the Doctoral Thesis: The Effect of Bending on Light Intensity Distribution in Few-Mode Optical Fiber.

Sept. 1992- June 1997 Diploma in the Field of Electronics and Telecommunications, VSB- Technical University of Ostrava (Excellent at the State Examination).

Title of Diploma Work: Study of a Periodic Bending Effect on a Signal Transmission in an Optical Fiber.

July 1990 General Secondary Education Certificate, Scientific Section, Al-Ahmadi Secondary School, Kuwait, Percentage Average 92.8 %

Other Certificates:

Aug. 2009 ICDL: International Computer Driving License.

May 2009 CCNA 1 Exploration: Network Fundamentals (Part of the Cisco Networking Academy Course for Instructors).

Teaching Experience:

- Nov 2016- present Associate Professor at the Department of Electrical Engineering, Al-Hussein Bin Talal University, Jordan
- April 2014- Nov 2016 Assistant Professor at the Department of Electrical Engineering, Al-Hussein Bin Talal University, Jordan
- Sept. 2010- April 2014 Assistant Professor at the Department of Communications Engineering, Al-Hussein Bin Talal University, Jordan
- Sept. 2001- June 2009 Lecturer at the Department of Electronics, Jazan College of Technology, Saudi Arabia.
- Oct. 1997- Oct. 2000 (During Ph.D. Study) Engineer at the Department of Electronics and Telecommunications, VSB– TU Ostrava, Czech Republic.

Courses Taught:

Electrical Circuits	Logic Circuits
Engineering Mathematics	Optoelectronics
Electromagnetics I	Electronic Devices
Engineering Analysis	Electric Circuits Lab
Electromagnetics II	Logic Circuit Design Lab
Antenna Engineering	Communications Lab
Optical Communications	Electronics Lab
Digital Logic Design	

Administrative and Field Experience:

- Sept. 2014- Aug 2015 Assistant Dean of the Faculty of Engineering for Student Affairs, Al-Hussein Bin Talal University, Jordan
- Sept. 2011- Aug. 2013 Member of Engineering Faculty Council, Al-Hussein Bin Talal University, Jordan
- Dec. 2009- Aug. 2010 Engineer at Technical and Engineering Support Directorate, Audit Bureau, Amman, Jordan
- Sept. 2001- June 2009 Head of the Department of Electronics in the Field of Industrial Electronics and Control, Jazan College of Technology, Saudi Arabia.

Membership of Professional Associations:

June 1997- Present Member of Jordan Engineers Association

Languages:

Arabic (mother tongue), English (intermediate), Czech (intermediate)

Publications:

- Z. Al-Qudah, **W. Abu Shehab**, “Bounds on the Achievable Rates of Faded Dirty Paper Channel”, International Journal of Computer Networks & Communications, Vol. 9, Issue 1, 2017, pp. 71- 79.
- **W. Abu Shehab**, Z. Al-Qudah, “Singular Value Decomposition: Principles and Applications in Multiple Input Multiple Output Communication system”, International Journal of Computer Networks & Communications, Vol. 9, Issue 1, 2017, pp. 13- 21.
- Z. Al-Qudah, **W. Abu Shehab**, “Two-Way Multiple Relays Channel: Achievable Rate Region and Optimal Resources”, Advances in Electrical and Electronic Engineering, Vol. 14, No. 3, September 2016, pp. 279- 286.
- **W. Abu Shehab**, Z. Al-Qudah, “Capacity of Gaussian Relay Channel with Orthogonal Components and Non-causal Interference at the Source”, Innovative Systems Design and Engineering, Vol. 7, No. 7, 2016, pp. 64-70.
- S. Althunibat, A. Abu-Al-Aish, **W. Abu Shehab**, W. Alsawalmeh, “Auction-based Data Gathering Scheme for Wireless Sensor Networks”, IEEE Communications Letters, V. 20, Issue 6, June 2016, pp. 1223-1226.
- G. Al-Shabaan, **W. Abu Shehab**, A. Abu-Al-Aish, W. Al-Sawalmeh, M. Al-Shaweesh, “Effects of Dust Grain Size and Density on the Monocrystalline PV Output Power”, International Journal of Applied Science and Technology, Vol. 6, No. 1; February 2016, pp. 81-86.
- **W. Abu Shehab**, G. Al-Shabaan, W. Al-Sawalmeh, “RFID-Based Inventory and Security System”, Innovative Systems Design and Engineering, Vol. 6, No. 10, 2015, pp. 53-58.
- **W. F. Abu Shehab**, S. A. Ali, “Harmonics Elimination in Industrial Networks using Filters”, European Journal of Scientific Research, Vol. 56, No.3, 2011, pp.326-335.
- **W. Abu Shehab**, V. Vasinek, “Vidové pole v zakřiveném optickém vlákne podporujícího šíření malého počtu vidů”, Elektrovue Journal, ISSN 1213-1539, www.elektrovue.cz, June 2000.
- **W. Abu Shehab**, V. Vasinek, “Ohybové ztráty v zakřiveném málovidovém optickém vlákne”, Elektrovue Journal, ISSN 1213-1539, www.elektrovue.cz, July 2000.
- **W. Abu Shehab**, V. Vasinek, “Bending Losses in Bent Optical Fiber Supporting Few Guided Modes”, International Conference: Research in Telecommunication Technology, RTT 2000, Ostrava-Reka, The Czech Rep., September 2000.

- **W. Abu Shehab**, V. Vasinek, “Bending Effects in Few-Mode Optical Fiber with Step-Index Profile”, 23rd International Conference: Telecommunications and Signal Processing - TSP 2000, Brno, The Czech Rep., September 2000.
- **W. Abu Shehab**, “Shift of Centre of Field Distribution in Optical Fiber Core Due to Bending”, III. Seminar of Electronics and Telecommunication, Technical University of Ostrava, November 2000

Participation at Programs, Conferences and Other Activities:

- Reviewer and Member of Scientific Committee at the 16th Knowledge in Telecommunication Technologies and Optics KTTO 2016 Conference, Czech Republic, September 2016, <https://ktto.vsb.cz>
- Member of Scientific and Program Committee at the 12th International Conference on Research in Telecommunication Technologies 2010, Czech Republic, September 2010, http://homel.vsb.cz/~voz29/Sbornik_Conference_RTT2010.pdf
- Participation at "Training in the Field of Networks Implementation" Program, Development and Training Center, Jazan College of Technology, 1-5 November 2008, (20 Hours).
- Member of Program Committee at the International Conference: Research in Telecommunication Technology, RTT 2008, Slovak Rep., September 2008, <http://www.ktl.elf.stuba.sk/rtt08/english.php>
- Participation at "Mobile Maintenance" Program, Jazan College of Technology, 10-14 February 2007, (20 Hours).
- Participation at "The Fourth Saudi Technical Conference and Exhibition", STCEX 2006, Riyadh, Saudi Arabia, 2-6 December 2006.
- Member of Scientific Committee at the "Total Quality Management Between Education and Application Meeting" Organized by Jazan Province Principality, Saudi Arabia, 26-27 February 2006.
- Participation at the Workshop "Quality Assurance Procedures at Colleges" supervised by Edexcel, Jazan, Saudi Arabia, 28-31 August 2005.
- Member of Refereeing Committee at "The 8th Exhibition of Students Scientific inventions" Organized by the Ministry of Education, Jazan, Saudi Arabia, November 2004.