

## PERSONAL INFORMATION



## Prof. Ali Elrashidi

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[ali.elrashidi@alxu.edu.sa](mailto:ali.elrashidi@alxu.edu.sa)  
[aelrash@my.bridgeport.edu](mailto:aelrash@my.bridgeport.edu)

Sex Male | Date of birth 15/11/1977 | Nationality Egyptian

Home page: <https://aelrashidi.wixsite.com/alirashedy>

## POSITION

## Professor In Electrical Engineering Department

## WORK EXPERIENCE

(Jan. 2023 – till now)

**Professor**

University of Business and Technology, Jeddah, KSA ([www.ubt.edu.sa](http://www.ubt.edu.sa))

▪ Professor (Admin, Teach and Research)

(Sep. 2021 – till now)

**Secretary of the UBT Scientific Council**

University of Business and Technology, Jeddah, KSA (<https://ubt.edu.sa/about/scouncil>)

(Sep. 2020 – Sep. 2021)

**College of Engineering consultant for academic affairs**

University of Business and Technology, Jeddah, KSA ([www.ubt.edu.sa](http://www.ubt.edu.sa))

(Jan. 2017 – Aug. 2020)

**Vice dean for academic affairs**

University of Business and Technology, Jeddah, KSA ([www.ubt.edu.sa](http://www.ubt.edu.sa))

▪ Associate professor (Admin, Teach and Research)

(Since 2017)

**Associate professor**

University of Business and Technology, Jeddah, KSA ([www.ubt.edu.sa](http://www.ubt.edu.sa))

▪ Associate professor (Teach and Research)

(2013 - 2016)

**Assistant professor**

University of Business and Technology, Jeddah, KSA ([www.ubt.edu.sa](http://www.ubt.edu.sa))

▪ Assistant professor (Teach and Research)

(2012 – 2013)

**Assistant professor**

Alexandria University, Alexandria, Egypt ([www.alexeng.edu.eg](http://www.alexeng.edu.eg))

▪ Assistant professor (Teach and Research) – (sabbatical leave)

(2008 - 2012)

**Ph.D. student**

University of Bridgeport, CT, USA ([www.bridgeport.edu](http://www.bridgeport.edu))

▪ Researcher and teacher Assistant

(2001 - 2008)

**Demonstrator**

Alexandria University, Alexandria, Egypt ([www.alexeng.edu.eg](http://www.alexeng.edu.eg))

▪ Researcher and teacher Assistant

## EDUCATION AND TRAINING

(January 2023 - till now)

**Professor in Electrical and Computer Engineering**

University of Business and Technology ([www.ubt.edu.sa](http://www.ubt.edu.sa))

▪ Expertise nano-sensors, nano-antennas, optics, nano-solar cells and nanotechnology.

(May 2018 – Dec. 2022)

**Associate Professor in Electrical and Computer Engineering**

University of Business and Technology ([www.ubt.edu.sa](http://www.ubt.edu.sa))

▪ Expertise antennas, optics and nanotechnology.

(2008 - 2012)

**Ph.D. in Computer Engineering and Computer Science**

University of Bridgeport, CT, USA ([www.bridgeport.edu](http://www.bridgeport.edu))

(2003 – 2006)

**Master in electrical and Communication Engineering**

Alexandria University, Alexandria, Egypt ([www.alexeng.edu.eg](http://www.alexeng.edu.eg))

▪ Expertise in optical fiber communications

(1996 - 2001)

**Bachelor in electrical – Electronics and Communication Engineering**Alexandria University, Alexandria, Egypt ([www.alexeng.edu.eg](http://www.alexeng.edu.eg))

- Expertise in electronica and communications engineering

**PERSONAL SKILLS**

Mother tongue Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	outstanding	outstanding	outstanding	outstanding	outstanding
TOFEL and IELTS					

Communication skills

- Good communication skills gained through my experience as teacher assistant
- Excellent communication skills gained through my experience as student supervision

Organisational / managerial skills

- Leadership (supervision more than 20 student in their graduation project)

Computer skills

- Optiwave software, Comsol Multiphysics software, and Lumerical solutions.
- Computer network demonstration.
- Programming language C++.
- LabView, Matlab, Mathcad, AutoCAD, FEKO and Antenna Magus Software.
- Professional in software command of Microsoft Office™ tools

Other skills

- Analog and digital circuit design.
- Analysis, ATE, CAD, CMOS.
- Design and manufacture of printed board.
- Embedded software development, Fabrication such as EAGLE software.
- Design and manufacture of a printed circuit board fitted on a wireless sensor network for controlling small stepper motors.
- Design a conformal antenna to get a high performance and fitted on a small projectile.
- Setup a wireless lab in Arab Academy for Science Technology & Maritime Transport.
- Setup an electrical measurement lab in Arab Academy for Science Technology & Maritime Transport.
- Develop a Wireless and Mobile communication lab in University of Bridgeport.
- Setup new labs in University of Business and Technology such as digital electronics lab, fiber optics lab, wireless communication lab, antenna lab, and microwave lab.
- Design a nano-sensors and nano-antennas.
- Design a nano-solar cells polymers and a-si:H.
- Design an ultra-sensitive nano sensor

Driving licence

- B

**Personal Accounts**

- |                |   |
|----------------|---|
| Website        | • <a href="https://aelrashidi.wixsite.com/alirashedy">https://aelrashidi.wixsite.com/alirashedy</a>   |
| Google scholar | • <a href="https://scholar.google.com.eg/citations?user=dcHWiKQAAAAJ&amp;hl=en">https://scholar.google.com.eg/citations?user=dcHWiKQAAAAJ&amp;hl=en</a> |
| ORCID          | • <a href="https://orcid.org/0000-0002-8560-1395">https://orcid.org/0000-0002-8560-1395</a>   |
| ResearcherID   | • L-9083-2018   |
| Publons        | • 1508359   |

**PUBLICATIONS**

Journal Publications

- D Purushothaman, R Narayanamoorthi, Ali Elrashidi, Hossam Kotb, "A Comprehensive Review on Single-Stage WPT Converter Topologies and Power Factor Correction Methodologies in EV Charging," IEEE Access, 2023.
- Ghulam Abbas, Mohammed Hatatah, Aamir Ali, Ezzeddine Touti, Ahmed Alshahir, and Ali Elrashidi, "A Novel Energy Proficient Computing Framework for Green Computing Using

- Sustainable Energy Sources," IEEE Access, 11, 2023.
- Tareq Foqha, Maher Khammash, Samer Alsadi, Osama Omari, Shady S Refaat, Khaled Al-Qawasm, Ali Elrashidi, "Optimal Coordination of Directional Overcurrent Relays Using Hybrid Firefly-Genetic Algorithm," Energies, 16 (14), 2023.
  - T Foqha, S Alsadi, A Elrashidi, N Salman, "Optimizing Firefly Algorithm for Directional Overcurrent Relay Coordination: A case study on the Impact of Parameter Settings," Information Sciences Letters, Accepted.
  - B ElZein, N Salah, AS Barham, A Elrashidi, M Al Khatab, G Jabbour, "Influence of Temperature on the Growth of Vertically Aligned ZnO Nanowires in Wet Oxygen Environment," Crystals 13 (6), 876, 2023.
  - AH Harmouch, A Elrashidi, F Shakra, "Improving Directional Properties of Circularly Polarized Dish Parabolic Antennas through Knife-Edge Metallic Scatters," Appl. Math 17 (6), 1013-1018, 2023.
  - Y Istaitih, S Alsadi, A Elrashidi, M Kanan, A Al-Sartawi, J Asad, "Socio-economic Assessing of Researcher's Perceptions and Farmer's Willingness to Adopt Silage Technology in Palestine-West Bank" Information Sciences Letters, 12 (9), 2023.
  - Harmouch A., Alrashidi A., "Design and Analysis of an Omnidirectional Multi-Range Circularly Polarized Printed Patch Antenna," International Journal of Engineering Trends and Technology 71 (8), 2023.
  - B. Al-khamiseh, Y. Alawaideh, A. Elrashidi, "Hamiltonian Analysis Formulation of Lee-Wick Field using Riemann-Liouville Fractional Derivatives" Progress in Fractional Differentiation and Applications, 9(2), 2023.
  - A. Elrashidi, E. Traversa, B. Elzein, "Highly Sensitive Ultra-Thin Optical CO<sub>2</sub> Gas Sensors using Nanowall Honeycomb Structure and Plasmonic Nanoparticles," Frontiers Energy Research, 1630, 2022. **Impact Factor: 3.858**
  - A. Emara, A. Yousef, B. ElZein, G. Jabbour, A. Elrashidi, "Enhanced Broadband Metamaterial Absorber Using Plasmonic Nanorods and Multi-Dielectric Layers Based on ZnO Substrate in the Frequency Range from 100 GHz to 1000 GHz," Crystals, 12(10), 1334, 2022. **Impact Factor: 2.670**
  - B. ElZein, A. Elrashidi, E. Dogheche, G. Jabbour, "Analyzing the Mechanism of Zinc Oxide Nanowires Bending and Bundling Induced by Electron Beam under Scanning Electron Microscope Using Numerical and Simulation Analysis," Materials, 15(15), 2022. **Impact Factor: 3.748**
  - A. Elrashidi and K. Elleithy, "High-Efficiency Crystalline Silicon-Based Solar Cells Using Textured TiO<sub>2</sub> Layer and Plasmonic Nanoparticles," Nanomaterials, 12(9), 2022. **Impact Factor: 5.719**
  - A. Elrashidi, "Light Harvesting in Silicon Nanowires Solar Cells by Using Graphene Layer and Plasmonic Nanoparticles," Appl. Sci., 12(5), 2519, 2022. **Impact Factor: 2.679**
  - A. Elrashidi and K. Elleithy "High Performance Polymer Solar Cells Using Grating Nanostructure and Plasmonic Nanoparticles," Polymers, 14(5), 862, 2022. **Impact Factor: 4.329**
  - A. Elrashidi and MM Tharwat, "Broadband absorber using ultra-thin plasmonic metamaterials nanostructure in the visible and near-infrared regions" Optical and Quantum Electronics, Vol. 53 (8), pp. 1-11, 2021. **Impact Factor: 2.084**
  - A. Elrashidi, "Highly Sensitive Biomedical Sensor Based on Silicon Nitride, Plasmonic Grating and ZnO Structure," Materials Research Express, vol. 7, no. 7, 2020. **Impact Factor: 1.9**
  - A. Elrashidi, "High Performance Molecular Detection Biosensor Using Plasmonic Spiral Nanoantenna Based on Optical Fiber," Journal of Biomedical Nanotechnology, vol. 16, no. 4, pp. 715-720, 2020. **Impact Factor: 5.068**
  - A. Elrashidi, A. Emara, A. Yousef and B. Elzin, "Light Harvesting Improvement of a-Si:H Solar Cell through Nano-grating Structure and Plasmonic Nanoparticles," Journal of Nanoelectronics and Optoelectronics, pp. 543-550, vol. 14, issue 4, 2019. **Impact Factor: 1.069**
  - Ali Elrashidi, "Electrophotonic Improvement of Polymer Solar Cells by using Graphene and Plasmonic Nanoparticles" Materials Express, vol. 7, no. 4, pp. 1-7, 2017. **Impact Factor: 2.062**
  - Ali Elrashidi, "Optical Absorption Enhancement of a-si:H Solar Cells using Plasmonic Nanoparticles and Nanoantennas," Materialstoday proceedings, vol. 4, sup. 1, pp. S27-S35, 2017.
  - Amr M Mahros, Marwa M Tharwat, Ali Elrashidi, "Exploring the Impact of Nano-Particles Shape on the Performance of Plasmonic Based Fiber Optics Sensors," Plasmonics Journals, vol. 12, Issue 3, pp. 563-570, 2017. **Impact Factor: 2.139**
  - Dalia Sallam, Islam Ashrya , Ali Elrashidia , Ziad El-Sahnb , and Moustafa Aly, "EDFA gain flattening using cascaded fiber Bragg gratings ," Optoelectronics And Advanced Materials – Rapid Communications," vol. 10, no. 5-6, pp. 317-321, May-June 2016. **Impact Factor: 0.47**
  - Ali Elrashidi, "Ultra-Sensitive Gas Sensor using Different Plasmonic Nanoparticles," Journal of Computational and Theoretical Nanoscience (CTN), vol. 13, pp. 1-6, 2016. **Impact Factor: 1.343**
  - Ali Elrashidi, "Investigating the Performance of Ultra-Sensitive Optical Sensor using Plasmonic Nanoparticles," Nanoscience and Nanotechnology Letters, vol. 8, pp. 465-470, 2016. **Impact Factor: 2.917**
  - Amr M Mahros, Marwa M Tharwat, Ali Elrashidi, "A Novel Performance Analysis of the Microstrip Antenna Printed on a Cylindrical Body," International Journal of Antennas and Propagation,

December 2014.

**Impact Factor: 1.378**

- Islam Ashry, Ali Elrashidi, Marwa M Tharwat, Yong Xu, Amr M Mahros, "Investigating the Optical Transmission Spectra of Plasmonic Spherical Nano-Hole Arrays," *Plasmonics Journals*, pp. 1-7, 2014  
**Impact Factor: 2.78**
- M.Tharwat, I. Ashry, A.Elrashidi, A.Mahros, "A Study of Green Wavelength-Division Multiplexed Optical Communication Systems Using Cascaded Fiber Bragg Grating," *Optical Fiber Technology*, July 2014.  
**Impact Factor: 1.35**
- Abdelrahman Elleithy, Gonshin Liu, Ali Elrashidi, "Underground Wireless Sensor Network Communication Using Electromagnetic Waves Resonates at 2.5 GHz," *Journal of Wireless Networking and Communications*, Vol.2, No.6, December 2012.
- Abdelrahman Elleithy, Gonhsin Liu, Ali Elrashidi, "A New Model of the Lifetime of Wireless Sensor Networks in Sea Water Communications," *International Journal of Computer Engineering Science (IJCES)*, Volume 2 Issue 9, September 2012.
- Abdelrahman Elleithy, Gonhsin Liu, Ali Elrashidi, "A New Model of the Lifetime of Wireless Sensor Networks in Pure Water Communications", *International Journal of Computers & Technology*, Vol. 3, No.1, pp.24-33, August 2012.
- Ahmad Nassar, Motaz Mohammed, Ali Elrashidi and Khaled Elleithy, "Virtual Wireless and Mobile Communication Laboratory," *Journal of Education*, vol. 1, pp. 1-6, 2011.
- A. Elrashidi, K. Elleithy, and Hassan Bajwa, "The Fringing Field and Resonance Frequency of Cylindrical Microstrip Printed Antenna as a Function of Curvature," *International Journal of Wireless Communications and Networking (IJWCN)*, Dec. 2011.
- A. Elrashidi, K. Elleithy, and Hassan Bajwa, "Effect of Curvature on the Performance of a Microstrip Printed Antenna Conformed on Cylindrical Body Using Epsilam-10 Ceramic-Filled Teflon as a Substrate," *American Journal of Materials Science*, pp. 8-17, Nov. 2011.
- A. Elrashidi, K. Elleithy, and Hassan Bajwa, "Input Impedance, VSWR and Return Loss of a Conformal Microstrip Printed Antenna for TM<sub>10</sub> mode Using Polymers as a Substrate Materials," *American Journal of Polymer Science*, pp. 18-29, Nov. 2011.
- A. Elrashidi, K. Elleithy, and Hassan Bajwa, "Effect of Curvature on the Performance of Cylindrical Microstrip Printed Antenna for TM<sub>01</sub> mode Using Two Different Substrates," *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 9, No.10, pp 8-16, Oct. 2011.
- A. Elrashidi, K. Elleithy, and H.Bajwa, "Input Impedance, VSWR and Return Loss of a Conformal Microstrip Printed Antenna for TM<sub>01</sub> mode Using Two Different Substrates," *International Journal of Networks and Communications*, pp. 1-9, Oct. 2011.
- A. Elrashidi, K. Elleithy, and H.Bajwa, "Performance Analysis of a Microstrip Printed Antenna Conformed on a Cylindrical Body for TM<sub>10</sub> mode Using Two Different Substrates," *Electrical and Electronic Engineering Journal*, pp. 25-32, Sep. 2011.
- A. Elrashidi, K. Elleithy, and H.Bajwa, "The Effect of Curvature on Resonance Frequency, Gain, Efficiency and Quality Factor of a Microstrip Printed Antenna Conformed on a Cylindrical Body for TM<sub>10</sub> mode Using Different Substrates," *Science and Technology Journal*, pp. 1-8, Sep. 2011.
- A. Elrashidi, K. Elleithy, and H.Bajwa, "Resonance Frequency, Gain, Efficiency and Quality Factor of a Microstrip Printed Antenna as a Function of Curvature for TM<sub>01</sub> mode Using Different Substrates," *Journal of Wireless Networking and Communications*, pp. 15-24, Aug. 2011.
- A. Elrashidi, K. Elleithy, and H.Bajwa, "The Performance of a Microstrip Printed Antenna Conformed on Cylindrical Body as a Function of Curvature at 4.6 GHz for TM<sub>01</sub> Using RT/duroid-5880 PTFE as a Substrate," *International Journal of Electromagnetics and Applications*, pp. 58-67, Jul. 2011.
- A. Elrashidi, K. Elleithy, and H.Bajwa, "Effect of Temperature on the Performance of a Cylindrical Microstrip Printed Antenna for TM<sub>01</sub> Mode Using Different Substrates," *International Journal of Computer Networks & Communications (IJCNC)*, Jul. 2011.
- A. Elrashidi, K. Elleithy, and Hassan Bajwa, "The Performance of a Cylindrical Microstrip Printed Antenna for TM<sub>10</sub> Mode as a Function of Temperature for Different Substrates," *International Journal of Next-Generation Networks (IJNGN)*, Jul. 2011.
- T. Sobh, Khaled Elleithy, J. Lee, A. Elrashidi, J. Joy, and L. Manole, "Design and Implementation of Wireless Camera, Communication and Control Modules for a Transformable Unmanned Aerial Vehicle", the *Journal of Intelligent and Robotic Systems*, Springer, April 2011.

## Conferences

- Fatema Alnasser, Ali Elrashidi, "Improving The Security of E-Exam Systems," 2023 International Conference on IT Innovation and Knowledge Discovery (ITIKD), Manama, Bahrain.
- Fatema Alnasser, Ali Elrashidi, "Improving The Security of E-Exam Systems" 2023 International Conference on IT Innovation and Knowledge Discovery (ITIKD), 08-09 March 2023 Manama, Bahrain.
- Raid Almutairi, Zaid Albeladi, Ali Elrashidi, "Assessment of Health and Safety Hazards Affecting Workers at Saline Water Conversion Corporation Lathe Workshop" International Conference on Business and Technology, ICBT 2022: Digitalisation: Opportunities and Challenges for Business pp 824–837, 23-24 March Manama, Bahrain.
- Ali Elrashidi, "Optical Absorption Enhancement of a-si:H Solar Cells using Plasmonic Nanoparticles and Nanoantennas," E-MRS 2016 Spring Meeting, 2-6 May, Lille, France, 2016.

- Elsayed Elfar, Ali Elrashidi, and Munir Alhadah, "Techno-Economical Study on PV/BB/UG Hybrid System in Saudi Site" International Conference on Engineering, Science, Business and Management 2015 (ICESBM 2015), Dubai, UAE; 05/2015.
- Munir Al-Hadad, Amr Yousef, and Ali Elrashidi, "Performance Analysis of Different Plasmonic Metallic Nanoparticles using for Ultra-Sensitive Optical Sensor," Sixth International Conference on Computing, Communications and Networking Technologies (ICCCNT), Dallas-Fortworth during July 13-15, 2015
- Deiaa Eid, Amr Yousef, and Ali Elrashidi, "ECG Signal Transmissions Performance over Wearable Wireless Sensor Networks," International Conference on Communication, Management and Information Technology (ICCMIT 2015).
- A. Elrashidi, I. Ashry, A. Mahros, M. Alhaddad, and K. Elleithy, "Performance Analysis of WDM-PON FTTH Using Different Pulse Shapes at 10 Gbps and 20 Gbps," Conference of the American Society for Engineering Education ASEE 2014, University of Bridgeport, Bridgeport, Connecticut, U.S.A., April 3 - 5, 2014.
- I. Ashry, A. Elrashidi, A. Mahros, M. Alhaddad, and K. Elleithy, "Investigating the Performance of Apodized Fiber Bragg Gratings for Sensing Applications," Conference of the American Society for Engineering Education ASEE 2014, University of Bridgeport, Bridgeport, Connecticut, U.S.A., April 3 - 5, 2014
- A. Elrashidi, Islam Ashry, Khaled Elleithy, and Hassan Bajwa, "The Effect of Mutual Coupling on a Microstrip Printed Antenna Array Operates at 5 GHz Using Three Different Substrates," 9th International Conference on Telecommunications and Networking online CISEE, Dec. 12-14, 2013.
- Islam Ashry, Ali Elrashidi, and Khaled Elleithy, "Variable Delay Optical Buffer Using Tunable Fiber Bragg Grating," 9th International Conference on Telecommunications and Networking online CISEE, Dec. 12-14, 2013.
- Ali Elrashidi, Abdelrahman Elleithy, Khaled Elleithy, and Majed Albogame, "Underwater Wireless Sensor Network Communication Using Electromagnetic Waves at Resonance Frequency 2.4 GHz," 15th Communications and Networking Simulation (CNS'12) Symposium, Orlando, Florida, March 26 - 29, 2012.
- Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Performance Analysis of a Microstrip Printed Antenna Conformed on Cylindrical Body at Resonance Frequency 4.6 GHz for TM01 Mode," The 9th International Conference on Mobile Web Information Systems, Niagara Falls, Ontario, Canada, August 27-29, 2012
- Ali Elrashidi, Abdel Rahman Elleithy, Majed Albogame and Khaled Elleithy, "Underwater Wireless Sensor Network Communication Using Electromagnetic Waves at Resonance Frequency 2.4 GHz," 15th Communications and Networking Simulation (CNS'12) Symposium, Florida Hotel and Conference Center; Orlando, FL, USA, March 26 - 29, 2012.
- Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "A New Analytical Performance Model for a Microstrip Printed Antenna," ASEE Northeast Section Conference, University of Massachusetts Lowell, April 27th - 28th, 2012.
- Ahmad Nassar, Motaz Mohammed, Ali M. Elrashidi and Khaled Elleithy, "Virtual Wireless and Mobile Communication Laboratory," ASEE Northeast Section Conference, University of Massachusetts Lowell, April 27th - 28th, 2012.
- Ali Elrashidi, Khaled Elleithy, and Hassan Bajwa, "Conformal Microstrip Printed Antenna," 2011 ASEE Northeast Section Conference, University of Hartford, Connecticut, April 29-30, 2011.
- M. Keshk, M. Aly, A. Okaz, A. El-Rashedy, "Erbium Doped Fiber Amplifier in WDM Systems Using Different Glass Hosts," The Fifth IEEE Workshop On Photonics and Its Application, pp. 51-60, 2005.

## Reviewer

- 
- Nanotechnology  
Link: <https://iopscience.iop.org/journal/0957-4484>
  - Physica Scripta  
Link: <https://iopscience.iop.org/journal/1402-4896>
  - Material Research Express  
Link: <https://iopscience.iop.org/journal/2053-1591>
  - Measurements  
Link: <https://www.journals.elsevier.com/measurement>
  - Journal of Optics  
Link: <http://iopscience.iop.org/journal/2040-8986>
  - Journal of Optical Communications  
Link: <https://www.degruyter.com/view/j/joc>
  - Plasmonics Journal  
Link: <http://link.springer.com/journal/11468>
  - IEEE Sensors Journal  
Link: <http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7361>
  - Journal of Electrical and Electronic Engineering, SciencePG  
Link: <http://www.sciencepublishinggroup.com>
  - Journal of Electrical and Electronic Engineering (JEEE)

- Link: Journal of Electrical and Electronic Engineering
- Journal of the International Measurement Confederation (IMEKO)  
Link: <http://www.journals.elsevier.com/measurement/>
- International Journal of Computer Science, Engineering and Applications (IJCSSEA)  
Link: <http://airccse.org/journal/ijcsea/index.html>
- International Journal of Computer Science & Information Technology (IJCSIT)  
Link: <http://airccse.org/journal/ijcsit.html>
- Journal of Advances in Network and Communications (ANC)  
Link: <http://www.humanpub.org/anc>
- International Journal of Computer Networks & Communications (IJCNC)  
Link: <http://airccse.org/journal/j2editorial.html>
- International Journal of Electromagnetics and Applications (IJEAA)  
Link: <http://www.sapub.org/journal/editorialboard.aspx?journalid=1080>
- International Journal of Artificial Intelligence & Applications (IJAIA)  
Link: <http://www.airccse.org/journal/ijaia/ijaia>
- International Journal on Cloud Computing: Services and Architecture (IJCCSA)  
Link: <http://airccse.org/journal/ijccsa/index.html>

#### Technical Committees

- 2017 Progress in Electronics Engineering, Computer Engineering and Information Technology (PIECT), 16 – 18 May 2017 in Bandung, Indonesia.
- Annual IEEE Connecticut Conference on Industrial Electronics, Technology & Automation (CT-IETA 2016), October 14 - 15, CT, 2016.
- ISBEIA 2015, IEEE Symposium on Business, Engineering and Industrial Applications, Ponta Delgada, São Miguel, Azores, Portugal, 1 - 3 April 2015.  
Link: <http://www.aisti.eu/worldcist15/index.php/committees>
- ISBEIA 2014, IEEE Symposium on Business, Engineering and Industrial Applications, Kota Kinabalu, Malaysia. 28 Sep. -1 Oct. 2014.  
Link: <http://www.uitmrm.com/isbeia2014/>
- Third International Conference on Advances in Computing and Information technology (ACITY 2013), July 13-15, Chennai, India.  
Link: <http://aicty.org/index.html>
- SHUSER 2013 - The 2013 IEEE Symposium on Humanities, Science & Engineering Research (SHUSER 2013), 23-26, June 2013, Penang / Malaysia.  
Link: <http://conference.researchbib.com/?action=viewEventDetails&eventid=23522&uid=r42c83>
- The IEEE Symposium on Humanities, Science and Engineering 2013, Parkroyal Penang Resort Hotel, Penang World Heritage City, Malaysia on 23 – 26 June 2013.  
Link: <http://mypels.org/shuser2013/>
- The Second International Conference of Networks and Communications (NECO 2013), May 24-26, 2013. Delhi, India.  
Link: <http://coneco2009.com/2013/neco/index.html>.
- International Conference on Systems, Computing Sciences and Software Engineering (SCSS 12), December 15-17 2012. Gammarth, Tunisia  
Link: <http://cisseconference.org/2012/Conferences/SCSS.aspx>
- International Conference on Telecommunications and Networking (TeNe 12)  
Link: <http://cisseconference.org/2012/Conferences/TENE.aspx>
- International Conference on Advanced Information Technologies and Applications (ICAITA-2012), 28-29 December 2012, Dubai, United Arab Emirates.  
Link: <http://coneco2009.com/2012/icaita/index.html>
- The International Conference on Control, Modelling, Computing and Applications (CMCA-2012), 28-29 December 2012, Dubai, UAE.  
Link: <http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=26294&copyownerid=13562>
- International Conference on Soft Computing, Artificial Intelligence (SAI-2012), 28-29 December 2012, Dubai, UAE.  
Link: <http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=25850&copyownerid=13562>
- The IEEE Business Engineering and Industrial Applications Colloquium 2013 will be held in Langkawi, Malaysia on 8 – 9 April 2013.  
Link: <http://www.mypels.org/beiac2013/>
- The Third International Conference on Computer Science and Information Technology (CCSIT-2013). February 18 ~ 20, 2013, Bangalore, India.  
Link: <http://coneco2009.com/2012/ccsit/index.html>
- The World Conference on Information Systems and Technologies (WorldCIST'13) Mar. 27-30, 2013, Algarve, Portugal.  
Link: <http://www.aisti.eu/worldcist13/>
- IEEE Colloquium on Humanities, Science & Engineering Research Dec. 03-04, 2012, Kota Kinabalu, Malaysia.  
Link: [www.mypels.org/chuser2012/](http://www.mypels.org/chuser2012/)
- The Second International Conference on Computational Science, Engineering and Information

Technology (CCSEIT-2012), Avinashilingam University, Oct. 26-28, 2012, Coimbatore, India.

Link: <http://coneco2009.com/ccseit2012/index.html>

- IEEE Symposium on Business, Engineering and Industrial Applications, Malaysia, Sep. 23-26, 2012.

Link: <http://www.mypels.org/mypels/>

- International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 11)
  - International Conference on Industrial Electronics, Technology & Automation (IETA 11)
  - International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 10)
  - International Conference on Industrial Electronics, Technology & Automation (IETA 10)
- Link: <http://cisseeconference.org/Committees/TechnicalCommittees.aspx>

#### Funded Projects

- Optical Absorption Enhancement in Thin Film Organic Solar Cells using Plasmonic Nanoparticles and Nanoantennas. (Funded by University of Business and Technology- 107,000 SR)
- Portable Remote Patient Monitoring System (consultant) (Funded by the University of Business and Technology- 100,000 SR)
- Modeling And Implementation Of Grid Connected Hybrid Wind/Spv System And Application For Saudi Site (Funded by the University of Business and Technology- 101,000 SR)
- Simulating Ultra-Sensitive Gas Sensors Using Plasmonic Nanostructures (Funded by the University of Business and Technology – 70,000 SR)
- Working in a project to increase the performance of conformal antenna using a new mathematical model. (Funded by the USA Army- 5 billion \$)
- Working in a project to design an antenna in a nanoscale for biomedical uses. (Funded by the University of Bridgeport- 100,000 \$)

#### Teaching Experience

- University of Business and Technology (2013-till now) as an assistance professor in electronics and communication department.
- Alexandria University (2001-2008) as a demonstrator and then as full-time teacher assistance after getting master's degree.
- Arab Academy for Science Technology & Maritime Transport, Alexandria Branch, (2002-2008) in electrical and computer department.
- Faros University (2007-2008) in electromechanical department.
- University of Bridgeport in electrical and computer science department (2008-2012).
- Alexandria University (2012-present) as a full-time assistance professor.

#### Courses

- University of Business and Technology: Optical Fiber Communications, Introduction to Communications, Communication Theory, Communication Systems, Antenna and Wave Propagation, Microwave and Optical Devices, Electronics II, Microprocessor and Microcontroller, Computer Organization, Computer Architecture, Digital Design II and Satellite Communication.
- Alexandria University: Solid State physics, Fiber optics, Solid state electronics and Modern physics.
- Arab academy for science technology & maritime transport: Fiber optics, Fiber optics lab, Solid state electronics, Electrical measurements, and Antenna systems.
- Faros University: Physics and Solid state electronics.
- University of Bridgeport: Semiconductor and Semiconductor fabrication.