

• Publications

• 2017

- Almobaied M., Eksin I., Guzelkaya M., 2017: Inverse optimal controller based on extended Kalman filter for discrete-time nonlinear systems. *Optimal Control Applied Method: Wiley*; <https://doi.org/10.1002/oca.2331>.
- N. Arghavani, M. almobaied, M. Guzelkaya, I. Eksin "On-Line Rule Weighting for Pid-Type Fuzzy Logic Controllers using Extended Kalman Filter" In 20th IFAC World Congress Toulouse, France, 9-14 July 2017.
- Mohammed Elaydi and Fady El-Nahal. (2017): Symmetric 80 Gbps Next Generation Passive Optical Network Stage Two NG-PON2. The Sixth International Conference on Science and Development (ICSD), Gaza, Palestine.
- Fady El-Nahal. (2017): Symmetric 10 Gb/s wavelength reused bidirectional RSOA based WDM-PON with DPSK modulated downstream and OOK modulated upstream signals. *Optoelectronics letters*, Vol. 13, No. 1, pp: 67–69.
- Khalil T Matar, Fahid K J Rabah, Mohamed Abdelati, "Modelica-Based Model for Activated Sludge System", Jun 2017, Gaza, Palestine.
- Hala Jarallah El-Khozondar, Rana Khelifa, Mohammed Shabat, "Characteristics of asymmetric nonlinear waveguide with graphene Layer: TE mode" *Sensor Letters*, accepted, 2017.
- Hala Jarallah El-Khozondar, Mohammed Shabat, Rana Khelifa, "Sensitivity enhancement of nonlinear waveguide sensors with conducting graphene layer: TE mode", *Photonic sensors*, 2017.
- Hala J. El-Khozenadar, Fady El-batta," Solar Energy as an alternative to conventional energy in Gaza Strip: Questionnaire based study," *An - Najah Univ. J. Res. (N. Sc.)*, accepted, 2017
- Hala J. El-Khozondar, Rifa J. El-Khozondar, Mohamad M. Shabat, "Dispersion Characteristics of Graphene Surface Plasmon Four Layers Waveguide", *IUG Journal of Natural Studies (IUGNES)*, 25 (2), 263-266, 2017. <http://journals.iugaza.edu.ps/index.php/IUGNS/article/view/2604/1809>
- Rifa J. El-Khozondar, Hala J. El-Khozondar, "Monte Carlo Implementation for Simulation of Ostwald Ripening in Two-Phase Polycrystalline Materials", *International Journal of Engineering and Science Invention (IJESI)*, 6, 1, pp. 29-37, 2017. <http://www.ijesi.org/>
- Hala J. El-Khozondar, Rifa J. El-Khozondar and M. M. Shabat, "Dispersion characteristics and sensitivity properties of Graphene surface Plasmon sensor", *sensor letters*, 15(3), 249–252, 2017. <http://www.aspbs.com/sensorlett/>
- T. Skaik, "A Quad-band Rectifier Design with Improved Matching Bandwidth for RF Energy Harvesting Applications ," Accepted in IEEE International Conference on Promising Electronic Technologies (ICPET) 2017.

- M. Abu Saada, T. Skaik, R. Alhalabi, "Design of Efficient Microstrip Linear Antenna Array for 5G Communications Systems," Accepted in IEEE International Conference on Promising Electronic Technologies (ICPET) 2017.
- T. Skaik, Basel AlWadiya, "Design of Wireless Power Transfer System with Triplet Coil Configuration Based on Magnetic Resonance," Istanbul University – Journal of Electrical and Electronics Engineering (IU-JEEE), Vol. 17, No. 1, pp. 3169-3174, 2017.
- M. Alhaddad, T. Skaik, "Design of a Tri-band Double Wire Square Loop Frequency Selective Surface for Mobile Signal Shielding," Journal of Engineering Research and Technology (JERT), Vol. 4, No. 1, pp. 1-4, March 2017.
- O. Abdallah, A. M. Abu-Hudrouss, "Two-group decodable distributed differential space-time code," The Turkish Jour. Of Elect. Eng. And Comp. Science, vol 25, pp. 2986 – 2994, 2017.

● 2016

- M. Almobaied, I. Eksin, and M. Guzelkaya, "Design of LQR Controller with Big Bang-Big Crunch Optimization Algorithm Based on Time Domain Criteria" In 2016 24th Mediterranean Conference on Control and Automation, IEEE, Athena, Greece.
- Dursun Y., Almobaied M., Buyukkinaci B., 2016: A Status of Energy Efficient LED Based Traffic Lamps in Istanbul. International Conference on Smart Cities, Smart Cities LNCS 9704 proceedings, Springer, 2016 Malaga, Spain.
- Fady El-Nahal. (2016): Bidirectional OFDM-WDM-PON System Employing 16-QAM Intensity Modulated OFDM Downstream and OOK Modulated Upstream, Photonics Letters of Poland, Vol 8, No 2, pp: 60-62.
- Abd Elghani Abu Tair, Musbah Shaat, Fady El-Nahal. (2016): Efficient Spectrum Handoff Strategies in Cognitive Radio Networks. The International Conference on Smart Cities Solutions (ICSCS), Gaza, Palestine.
- Fady I. El-Nahal and Abdel Hakeim. M. Husein. (2016): Temperature Dependency of Ytterbium-Doped Fiber Laser (YDFL) Based on Fabry-Perot Design Operating at 915 nm and 970 nm High Power Pumping Configuration, Journal of Engineering Research and Technology, Vol 3, No 1, pp: 1-5.
- Mohamed Abdelati, Besan Attaee, Rewaa Jarour, and Wail A. Younis, "Design of a Maximum Power Point Tracker Based on a Pic Microcontroller". Proceedings of the International Conference on Smart Cities Solutions, Gaza. Palestine, 2016 .
- Ahmed Y. Sokkar, Mohamed M. Abdelati, "Power Management Device for a Micro Grid Containing a PV System and a Generator". Proceedings of the 6th international engineering conference for Energy-Efficient Buildings - Islamic University Gaza, Gaza. Palestine, 2016.
- 8. Ahmed Alostaz and Basil Hamed "OPTIMIZED AUTOMATED TRACKING OF A MOVING OBJECT WITH A ROBOTIC EYE SYSTEM" Control and Intelligent Systems Volume 44 / 2016 - Edition : 1 DOI: 10.2316/Journal.201.2016.1.201-2721 ISSN (Online): 1925-5810, ISSN (Hardcopy): 1480-1752
- R. J. El-Khozondar, H. J. El-Khozondar, and M. M. Shabat, "Sensitivity of Graphene-MTM Waveguide", Journal of the Arab American University Jenin, accepted, October, 2016.

- R. J. El-Khozondar, H. J. El-Khozondar, and M. M. Shabat, "Enhancing sensor sensitivity using Graphene-MTM interface", American Journal of Nano Research and Applications, 4, 5, pp 43-46, 2016. <http://www.sciencepublishinggroup.com/j/nano>
- Rifa J. El-Khozondar, Hala J. El-Khozondar, "Grain Size Distribution and topological correlations During Ostwald Ripening: Monte Carlo Potts model simulation", Journal of Al-Aqsa University series of natural science, 20(1), pp. 44-60, 2016. http://www.alaqsa.edu.ps/site_resources/aqsa_magazine/files/1038.pdf
- Hala J. El-Khozondar, Rifa J. El-Khozondar, Khaled Matter, Teuvo Suntio, "Comparative Study of Photovoltaic Array Maximum Power Tracking Techniques", Renewables: Wind, Water, and Solar (RWSS), 3, 2016. DOI 10.1186/s40807-016-0022-8.
- ABU TAHA Ultra-Wideband and Low Noise Transimpedance Amplifier , JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY, VOLUME 3, ISSUE 4, DECEMBER. 2016
- ABU TAHA J., Yazgi M., A 7 GHz compact transimpedance amplifier TIA in CMOS 0:18mm technology., Analog Integrated Circuits and Signal Processing, 2016, 86(3), pp.429–438.
- Abu-Taha, Jawdat Y., and Metin Yazgi. "Improving the bandwidth of the transimpedance amplifier based on CS stages in cascode configuration using impedance matching techniques." Analog Integrated Circuits and Signal Processing 89.3 (17 May 2016): 685-691.
- M. K. AbuFoul, A. M. Abu-Hudrouss, "Set partitioning to construct block coded modulation with the presence of spatial modulation in MIMO System," IUG Journal of Natural and Engineering Studies, vol. 24, no. 1, pp 21-25, 2016.

• 2015

- M. Almobaied, I. Eksin, and M. Guzelkaya, "A new inverse optimal control method for discrete-time systems," In 2015 12th International Conference on Informatics in Control, Automation and Robotics (ICINCO), 2015, vol. 01, pp. 275–280. Colmar, France.
- Fady El-Nahal. (2015): Wavelength division multiplexing passive optical networks (WDM PONs) With Downstream DPSK and Upstream Remodulated OOK using Injection-Locked Fabry-Perot Laser Diodes (FP-LDs), Photonics Letters of Poland, Vol 7, No. 4, pp: 127-129.
- Fady I. El-Nahal, Mahmoud Alhalabi, Abdel Hakeim M. Husein (2015): Wavelength Division Multiplexing Passive Optical Network (WDM-PON) Technologies for Future Access Networks, (JERT) Journal of Engineering Research and Technology, Vol. 2, No. 1, pp: 34-41.
- Mohamed Abdelati and Georg Frey (2015): A Method for Building a Simple and Applicable Power Inverter. 2nd International Congress on Energy Efficiency and Energy Related Materials, Springer Proceedings in Energy, p 357-367
- Basil Hamed, and Fadi Alami "Adaptive Hierarchical Fuzzy controller for HVAC Systems in Low Energy Buildings" Academic Platform Journal of Engineering and Science (APJES), Volume: 3 - Issue: 2, Aug 2015 ISSN: 2147-4575
- Basil Hamed, and Abd Al Karim Abu Ras "Fuzzy Controller for Dual Sensors Cardiac Pacemaker System in Patients with Bradycardias at Rest" Intelligent Control and Automation Journal (ICA), Vol. 6, No. 3, August 2015 ISSN: 2153-0653
- Basil Hamed, and Ahmed Alostaz "Optimized Particle Filter for Tracking of a Moving Video Object" Journal of Electrical Engineering : Volume 15 / 2015 - Edition : 4 ISSN: 1582-4594

- Mahmoud O. Abu-Marasa, Hala Jarallah El-Khozondar, "A Compact Very Wideband Amplifying Filter based on RTD loaded Composite Right/Left-Handed Transmission Lines" SpringerPlus, 4, 733-738, 2015. <http://springerplus.springeropen.com/>. ISSN: 2193-1801
- Hala J. El-Khozondar, Rifa J. El-Khozondar, Khaled Matter, "Simulation and Implementation of Incremental Conductance MPPT Algorithm for PV System", Journal of Mechatronics, 3(2), 174-178, 2015. <http://www.aspbs.com/jom.htm>. <http://dx.doi.org/10.1166/jom.2015.1102>
- Dena M. El-Alamassi, Hala J. El-Khozondar, Mohammed M. Shabat, "Efficiency Enhancement of Solar Cell Using Metamaterials", International Journal of Nano Studies & Technology (IJNST), 4(2), 84-87, 2015. <http://scidoc.org/IJNST.php>. ISSN:2167-8685
- Khaled Matter, Hala J. El-Khozondar, Rifa J. El-Khozondar, Teuvo Suntio, " Matlab/Simulink Modeling to study the effect of partially shaded condition on Photovoltaic array's Maximum Power Point", International Research journal of engineering and Technology, 2 (2),697-703, 2015. <https://www.irjet.net/volume-2-issue-2> <https://www.irjet.net/impactfactor>. Impact factor 4.45. ISSN: 2395-0056
- Mady Elbahri, Ahnaf Usman Zillohu, Bastian Gothe, Mehdi Keshawarzhedayati, Hala Jarallah El-Khozondar, Ramzy Abdulaziz, Moheb Abdelaziz, " Photoswitchable molecular dipole antennas with tailored coherent coupling in glassy composite", Light: Science and Applications, 4, 1-8, 2015. <http://www.nature.com/lsa/index.html>. Impact factor 14.603. ISSN (online): 2047-7538.
- Hala J. El-Khozondar, Rifa J. El-Khozondar, Said Zouhdi, "Tunable MTMs consists of a single-walled nanotube thin film waveguide covered by nonlinear cladding", Applied Physics A, 119, 451–453, 2015, 10.1007/s00339-015-9007-5. <http://link.springer.com/journal/339>. Impact factor 1.704. ISSN: 0947-8396 (Print) 1432-0630 (Online).
- Rifa J El-Khozondar, Hala J El-Khozondar, "Monte Carlo Potts simulation of grain growth of solid grains dispersed in a liquid matrix", Journal of Engineering Research and Technology (JERT), 2(1), 7-14, 2015. <http://jert.iugaza.edu.ps/>
- Hala J. El-Khozondar, Rifa J. El-Khozondar, Mohammed M. Shabat, "Metamaterial-dielectric photonics crystal waveguide structure", Optics, Special Issue: Optical Engineering & Applications. 4(1-2), 1-4, 2015, doi: 10.11648/j.optics.s.2015040102.11. <http://www.sciencepublishinggroup.com/journal/publishedspecialissues?journalid=126>.
- ABU TAHA J., Yazgi M., A 6.03 GHz Low Power Transimpedance Amplifier TIA in CMOS 0:18mm Technology., International Journal of Emerging Technology and Advanced Engineering (IJETA), February 37-46, 2015.
- ABU TAHA J., Yazgi M., Broadband Transimpedance Amplifier TIA in CMOS 0:18mm Technology Using Matching Technique., ELECO 2015, Proceeding of the 2015 9th International Conference on Electrical and Electronics Engineering, IEEE, ELECO 2015, February 26-28, Bursa, Turkey.
- Abu-Taha, Jawdat, and Metin Yazgi. "Broadband transimpedance amplifier TIA in CMOS 0.18 μ m technology using matching technique." Electrical and Electronics Engineering (ELECO), 2015 9th International Conference on. IEEE, 2015.
- T. Skaik, D. Tubail, "Novel multiplexer topologies based on coupled resonator structures," In Proceedings of the 15th Mediterranean Microwave Symposium, Lecce, Italy, Dec. 2015.
- D. Tubail, T. Skaik, "Synthesis of Coupled Resonator Based Multiplexers with Generalized Structures Using Coupling Matrix Optimization," in IET Electronic Letters, vol.51, no.23, pp. 1891-1893, Nov. 2015.

- H. Abukaresh, T. Skaik, "Coupled Resonator Diplexer for LTE-A systems," *Journal of Engineering Research and Technology*, Vol. 2, No. 2, pp. 131-135, June 2015.
- M.-T. El Astal, A. M. Abu-Hudrouss, B.P. Salmon, and J.C. Olivier, "An adaptive transmission protocol for exploiting diversity and multiplexing gains in wireless relaying networks", *EURASIP Journal on Wireless Communications and Networking*, Feb. 2015.
- M.-T. El Astal, A.M. Abu-Hudrouss, and J.C. Olivier, "Improved signal detection of wireless relaying networks employing space-time block codes under imperfect synchronization," *Wireless Personal Communications*, Springer 2015.
- Ahmed Hamdi Abo absa, Mohamed Ouda, and Ammar Abu Hudrouss, "Analysis and Design of E-shape Meander Line Antenna for LTE Mobile Communications," *Journal of Engineering Research and Technology*, vol 2, no 1, March 2015.

● 2014

- Fady El-Nahal. (2014): Bidirectional WDM Access Architecture Employing Cascaded AWGs and RSOAs, (*JERT*) *Journal of Engineering Research and Technology*, Vol 1, No. 4, pp: 156-160.
- Abdel Hakeim M. Husein and Fady I. El-Nahal (2014): Optimal design of 32 channels spectrum slicing WDM for optical fiber access network system," (*Optik*)- *Int. J. Light Electron Opt.*, Vol. 125, No. 13, pp: 5141-5143.
- Mustafa Abu Nasr, Fady I. El-Nahal, A. Mohamed Alutol. (2014): Penta-Band Dielectric Loaded Folded Loop Antenna for Mobile Handset, (*IOSRJEN*) *IOSR Journal of Engineering*, Vol. 4, No. 5, pp: 10-16.
- Mohamed Abdelati, Felix Felgner, and Georg Frey (2014): A Component-Oriented Model for Wastewater Pumping Plants. *Informatics in Control, Automation and Robotics*, Springer International Publishing, Switzerland, p. 281 – 295.
- Mohamed Abdelati, "Design and Implementation of a Viable Power Inverter". *Proceedings of the 5th international conference on Engineering and sustainability (IECS5)*, Gaza. Palestine, 9-10 December 2014 .
- Basil Hamed, and Loai Khashan "Design of A hierarchical Sugeno Fuzzy Controller for HVAC in Large Buildings" *Journal of Engineering Research and Technology (JERT)*, Vol. 1, No. 1, March 2014 ISSN 2312-2307
- Basil Hamed and Fadi Alami "Adaptive Hierarchical Fuzzy controller for HVAC Systems in Low Energy Buildings" *2nd INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE (ISITES2014)* June 18-20, Karabuk – TURKEY ISSN: 2148-7464
- Basil Hamed and Adham Abu Shamla " Gaza's Water Wells System Based on SCADA" *5th International Conference for Engineering and Sustainability (ICES5)* December 8-9 2014, Faculty of Engineering-Islamic University Gaza
- Hala J. El-Khozondar, Zeyad I. Al-Sahhar, Mohammed M. Shabat, "The sensitivity of Surface Polaritons in LHM-antiferromagnetic waveguide sensors", *Journal of magnetism and magnetic materials*, 368, 312–317, November 2014, DOI: 10.1016/j.jmmm.2014.05.023. impact factor 1.970
- Mehdi Keshavarz Hedayati, Mojtaba Javaherirahim, Ahnaf Usman Zillohu, Hala Jarallah El-Khozondar, Muhammad Bawa'aneh, Andrei Lavrinenko, Franz Faupel, Mady Elbahri, "Photo-

driven perfect absorber as active metamaterial with a tunable molecular-plasmonic coupling", *Advanced Optical Materials*, 2 (8), 705–710, 2014. DOI:10.1002/adom.201400105.

- Zeyad I. Al-Sahhar, Hala J. El-Khozondar, Mohammed M. Shabat, "The sensitivity of TE field Propagating in LHM-antiferromagnetic sensor", *Journal of Chemistry and Chemical Engineering*, 8 (4), 421-427, 2014.
- Hala J. El-Khozondar, Amani S. Abu Reyala, Mathias S. Müller, "Load Reduction in Wind Energy Converters Using Individual Pitch Control", *Journal of Engineering Research and Technology (JERT)*, 1(1), 12-17, 2014. <http://jert.iugaza.edu.ps/>
- Hala J. El-Khozondar, Rifa J. El-Khozondar, Said Zouhdi, " Propagation of surface waves at the interface between Nonlinear MTMs and Anisotropic Materials ", *Applied Physics A: material science and processing*, 115 (2), 439-442, 2014, DOI 10.1007/s00339-013-8041-4. Impact factor 1.704
- Mohammed I. Salemdeeb and Ammar M. Abu-Hudrouss, "Deep Fading Effect on an Individual Link of 4 × 4 MIMO Communication Systems," *Al-Najah University Journal for Research "Natural Sciences,"* vol 28, 2014.
- Ahmed Jendeya, Musbah Shaat, Ammar Abu-Hudrouss, Faouzi Bader, "Joint Resource Allocation in Multicarrier Based Cognitive Networks with Two-Way Relaying," *IEEE International Workshop on Cognitive Cellular Systems (CCS 2014)*, Rhine River, Germany, Sep 2, 2014 – Sep 4, 2014.

• 2013

- Fady I. El-Nahal and Mamoun A. Salha. (2013): Comparison between OQPSK and DPSK Bidirectional Radio over Fiber Transmission Systems. *Universal Journal of Electrical and Electronic Engineering*, Vol. 1, No. 4, pp: 129-133.
- Fady I. El-Nahal. (2013): A bidirectional radio-over-fiber system using differential phase-shift keying signals for downstream and remodulated OOK for upstream. *(Optik)- Int. J. Light Electron Opt.*, Vol. 124, No. 20, pp: 4682–4684.
- Abdel Hakeim M. Husein and Fady I. El-Nahal. (2013): Optimizing the thulium doped fiber amplifier (TDFA) gain and noise figure for S-band 16 × 10 Gb/s WDM systems. *(Optik)- Int. J. Light Electron Opt.*, Vol. 124, No. 19, pp: 4052-4057.
- Basil M. Hamed and Mohammed S. El-Moghany, "Fuzzy Controller Design Using FPGA for Sun and Maximum Power Point Tracking in Solar Array System," *International Journal of Modeling and Optimization* vol. 3, no. 2, pp. 189-197, April 2013. ISSN: 2010-3697
- Basil Hamed and Hosam Abu Elreesh "FPGA Optimized Fuzzy Controller Design for Magnetic Ball Levitation using Genetic Algorithms" *ACEEE Int. J. on Electrical and Power Engineering*, Vol. 4, No. 2, Aug 2013 ISSN 2158-7574
- Basil Hamed, Mohammed S. El-Moghany, " Fuzzy Controller Design Using FPGA for Sun and Maximum Power Point Tracking in Solar Array System", *2th International Conference on System Engineering and Modeling (ICSEM 2013)* April 21-22, 2013, Beijing. China.
- Ana Pérez Grassi, Anton Tremmel, Alexander Koch, Hala J. El-Khozondar " On-line Thickness measurement for Two-Layer Systems on Polymer Electronic Devices", *Sensors*, 13, 15747-15757,

2013; doi:10.3390/s131115747. <http://www.mdpi.com/1424-8220/13/11/15747?trendmd-shared=0>

- Zeyad I. Al-Sahhar, Mohammed M. Shabat, Hala J. El-Khozondar, " Magnetostatic Surface Waves Propagation at dissipative Ferrite-MTMs-metal structure", Journal of Superconductivity and Novel Magnetism, SpringerPlus 2, 584-294, 2013, doi:10.1186/2193-1801-2-584. Impact factor 0.93.
- Zeyad I. Al-Sahhar, Hala J. El-Khozondar, Mohammed M. Shabat, "Magnetostatic Surface Waves Propagation at the interface between Ferrite and MTMs Parallel Plate Waveguide structure", Journal of Al Azhar University-Gaza (Natural Sciences), 15, 89-100, 2013.
- Hala J. El-Khozondar, Rifa J. El-Khozondra, Ahmed R. S. AL-Farra, Bernard Z. Essimbi, " Nonlinear Resonant Tunnelling Diode (RTD) circuits for microwave A/D conversion", Optik, 124, 6100-6103, 2013.impact factor 0.677.
- Hala J. El-Khozondar, Amani S. Abu Reyala, Mathias Müller, "Maximum Power Calculation of Wind Energy Converters Controlled by Individual Pitch Control Technique", Studies in system science (SSS), 1(2), 25-28, 2013.
- Hala J. El-Khozondar, Rifa J. El-Khozondar, B.Z. Essimbi, "Pspice modeling of nonlinear transmission lines analog to digital conversion", Review of applied physics (RAP), 2 (1), 12-16, March 2013.
- T. Skaik, M. AbuHussain, "Design of Diplexers for E-Band Communication Systems," Proceedings of the 13th Mediterranean Microwave Symposium, Saida, Lebanon, Sept. 2013.
- Ammar M. Abu-Hudrouss, "Special Block Coding for Spatial Modulation," International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459, Volume 3, Issue 10, October 2013.
- Ammar Abu-Hudrouss, and Alister Burr, "Opportunistic Distributed Space Time Code for Four-relay Network," 19th European Wireless Conference, 2013.

• 2012

- Fady I. El-Nahal and Abdel Hakeim. M. Husein. (2012): Thulium Doped Fiber Amplifier (TDFA) for S-band WDM Systems. Open Journal of Applied Sciences, Vol.2 No.4B, pp: 5-9.
- Abdel Hakeim. M. Husein, Fady I. El-Nahal, Majdi S. Hamadah, and Ali H. El-Astal. (2012): The Dependence of Gain and Noise Figure on Temperature Variation for EDFAs Pumped at 980 nm. The Fourth International Engineering Conference (IEC4), 2012, Gaza, Palestine.
- Mohamed Abdelati, Felix Felgner, and Georg Frey : A Framework for Modeling and Control of Wastewater Pumping Stations. In: 4th International Engineering Conference (IEC 2012) Gaza, Palestinian Territories. 2012

- Mohamed Abdelati, Felix Felgner, and Georg Frey : Modeling Wastewater Pumping Stations for Cost-Efficient Control. In: 16th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2012),
- Mohamed Abdelati, Felix Felgner, and Georg Frey (2012): MODELING AND Simulation of a WasteWater Pumping plant. The 9th International Conference on Informatics in Control, Automation and Robotics (ICINCO-9) , July 2012, Rome, Italy.
- T. Skaik, "Star-Junction X-band Coupled Resonator Multiplexer," Proceedings of the 12th Mediterranean Microwave Symposium, Istanbul, Turkey, Sept 2012.
- T. Skaik, "Novel Star Junction Coupled Resonator Multiplexer Structures," Progress in Electromagnetics Research Letters, Vol. 31, pp. 113-120, April 2012.
- Auda Elshokry and Ammar Abu-Hudrouss, "Performance Evaluation of MIMO Spatial Multiplexing Detection Techniques," Al-Azhar Journal of Natural Science, vol 14, pp 47-60, 2012.
- Mohammed I. Salemdeeb and Ammar M. Abu-Hudrouss, "Performance and Capacity Comparison between Hybrid BLAST-STBC, VBLAST and STBC Systems," International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459, Volume 2, Issue 10, October 2012.
- Ahmed H. Abo absa, Mohamed Ouda, and Ammar Abu Hudrouss, "Meander Line and E-shape Antenna's Parameters Enhancement For WLAN Applications," IUG Engineering Conference, Gaza, 2012.