

Electrical Engineering Department

College of Engineering/King Khalid University

Publications List for the Academic Year: 1438/1439 H

1. Saïdi Abdelaziz, Ben Kilani Khadija and Elleuch Mohamed. "Impact of Large Scale Photovoltaic Generation on Voltage Stability in Distribution Networks". Received June 8 2015. Accepted for publication March 4 2016 in European Journal of Electrical Engineering, VOL 18/1-2 - 2016 - pp.117-138 - doi:10.3166/ejee.18.117-138."
2. Saïdi Abdelaziz and Mohamed Ibrahim Y. Al-Rayif. "Impact of Static and Dynamic Load Model on the Low Voltage Ride-Through of the Doubly-Fed Induction Generator Wind Farm", WSEAS Transactions on Power Systems, ISSN / E-ISSN: 1790-5060 / 2224-350X, Volume 12, 2017, Art. #1, pp. 1-10.
3. Saïdi Abdelaziz and Mohamed Ibrahim Y. Al-Rayif. "Impact of Static and Dynamic Load Model on the Low Voltage Ride-Through of the Doubly-Fed Induction Generator Wind Farm", WSEAS Transactions on Power Systems, ISSN / E-ISSN: 1790-5060 / 2224-350X, Volume 12, 2017, Art. #1, pp. 1-10."
4. "Abdelaziz Saidi and Walid Helmy. "Artificial neural network–aided technique for low voltage ride-through wind turbines for controlling the dynamic behavior under different load conditions". Wind Engineering Journal, First Published August 3, 2018. <https://doi.org/10.1177/0309524X18791387>"
5. Bijoy Babu, Thafasal Ijyas, Muneer P. and Justin Varghese, "Security issues in SCADA based industrial control systems," Proc. ICACC-2017, Abha, Saudi Arabia, pp. 47-51, Apr. 2017."
6. Muneer P · M. I. Al-Rayif · Thafasal Ijyas V. P. , "Low-Complexity Equalization for SC-FDMA Uplink Systems over Time and Frequency Selective Channels", Wireless Personal Communications, <https://doi.org/10.1007/s1127>"
7. P. Muneer and S. M. Sameer , Iterative joint estimation of channel and carrier frequency offset in high mobility MIMO-OFDMA uplink, Wireless Personal Communications, Springer, vol. 95, no. 4, pp. 4113 - 4130 , Feb. 2017."
8. Muneer P · M. I. Al-Rayif · Thafasal Ijyas V. P., "Low Complexity Equalization Techniques Using Interference Cancellation for SC-FDMA Uplink Systems Under Doubly Selective Channels", International Journal of Communication Systems-Wiley, Accepted (2018).
9. Abdelaziz Saidi, Mushaf E. and Khadija Ben Kilani. Assessment of PV Systems Stability under Temperature Variation. The 9th IEEE International Renewable Energy Congress (IREC) 22-25 March 2018 in Hammamet – Tunisia."
10. Abdelaziz Saidi and Walid Helmy. Enhancement of the Dynamic Behavior of the Low Voltage Ride-Trough Wind Turbines. The 9th IEEE International Renewable Energy Congress (IREC) 22-25 March 2018 in Hammamet – Tunisia."
11. Stabilité dynamique du réseau électrique intégrant des fermes éoliennes: Etude par l'analyse des bifurcations. Abdelaziz Saidi. Noor Publishing. 2017-01-18. ISBN-13: 978-3-330-84756-9. ISBN-10: 3330847565. EAN: 9783330847569."

12. Stabilité de la Tension du Réseau Électrique par L'Analyse Modale. Abdelaziz Saidi. Noor Publishing. 2017-01-24. ISBN-13: 978-3-330-84855-9. ISBN-10: 3330848553. EAN: 9783330848559."
13. Mohammed Wase, Mohammed Abdul Muqet, Mohammed Sayeeduddin Habeeb, "Energy-Efficient Hybrid Analog and Digital Pre-coding for MmWave MIMO Systems with Large Antenna Arrays", International Journal of Electronics Engineering, ISSN: 0973-7383, Volume 10 • Issue 2 pp. 18-23 June 2018-Dec 2018."
14. Mohammed Sayeeduddin Habeeb, Mohammed Abdul Muqet, Zeeshan Ahmad, 'Epileptic Seizure Prediction Methods Based on EEG Signals', in proc. 13th Annual Research Day, College of Engineering, KKU, KSA 2nd April 2018"
15. Mohammed Abdul Muqet, Mohammed Jayeed, 'Optimized Architecture of Two-Stage Operational Trans-Conductance Amplifier (OTA) For Improved AV, UGB, GM and PM', International Journal of Ethics in Engineering & Management Education, ISSN: 2348-4748, Volume 3, Issue 10, October 2016"
16. Elfatih A. A. Elsheikh, Islam Md. Rafiqul, Habaebi, Mohamed Hadi, Ahmad F. Ismail and Zyoud, Al-Hareth "Dust Storm Attenuation Modeling Based on Measurements in Sudan" Paper No: AP1607-1103, IEEE Transactions on Antennas and Propagations, Print ISSN: 0018-926X, Online ISSN: 1558-2221, DOI 10.1109/TAP.2017.2715369, Vol:65, Issue:8, Aug. 2017, pp:4200-4208 (JCR IF 2.95, Q1-ISI)"
17. Comments on "A Performance Investigation of a Four-Switch Three-Phase Inverter-Fed IM Drives at Low Speeds Using Fuzzy Logic and PI Controllers.
18. Z. M. Elbarbary ; Hany A. Hamed ; E. E. El-Kholy , IEEE Transactions on Power Electronics Year: 2018, Volume: 33, Issue: 9 , Pages: 8187 - 8188"
19. Z.M.elbarbary , "Maximum Torque / Ampere Of Position Sensorless Control Of Synchronous Reluctance Motor" Engineering Research Journal, Egypt, Vol. 40, No. 1, January 2017, PP: 1-7
20. Z.M.elbarbary, Mahmoud M.Elkholy, " Performance Analysis Of Indirect Rotor Field Orientated Control For Five Phase Induction Motor Drive, Research Journal (ERJ), Faculty of Engineering, Minoufiya University, Egypt, Vol. 40, No 1, January 2017, PP 9-18"
21. Z.M.elbarbary, "Experimental Comparison between Four and Six Switch Inverters Fed FLC Based Speed Sensorless IM Drives at Very Low Speed, International Journal of Power Electronics and Drive Systems (IJPEDS)) Vol 8, No 1, March 2017"
22. Z.M.elbarbary, "MRAS-based Speed Sensorless Control of a Vector Controlled Six-Phase Asynchronous Motor Drive" , Research Journal (ERJ), Faculty of Engineering, Minoufiya University, Egypt, Vol. 40, No 2, April 2017, PP, Accepted.
23. Z.M.elbarbary ,Haitham. Z. Azazi " Experimental Investigation of Speed Sensorless IM Drive System Under Fault Tolerant Control of Inverter, IEEE Transactions on Electrical and Electronic Engineering, Vol. 11, No.4, July 2016".
24. M. Abo-Zahhad, M. Farrag and A. Ali, "A fast accurate method for calculating symbol error probabilities for AWGN and Rayleigh fading channels," 2016 33rd National Radio Science Conference (NRSC), Aswan, 2016, pp. 241-248.doi: 0.1109/NRSC.2016.7450834"
25. Abbas, Sherif N.; Abo-Zahhad, Mohammed; Ahmed, Sabah M.; Farrag, Mohammed: 'Heart-ID: human identity recognition using heart sounds based on modifying mel-frequency cepstral features', IET Biometrics, 2016, 5, (4), p. 284-296, DOI: 10.1049/iet-bmt.2015.0033.

26. Farrag, M., Abo-Zahhad, M., Doss, M.M. and Fayez, J.V., 2016. Different aspects of localization problem for wireless sensor networks: a review. *International Journal of Computer Networks and Communications Security*, 4(5), p.130."
27. Abo-Zahhad, M., Farrag, M., Abbas, S.N. and Ahmed, S.M., 2016. A comparative approach between cepstral features for human authentication using heart sounds. *Signal, Image and Video Processing*, 10(5), pp.843-851."
28. Abo-Zahhad, M., Ahmed, S.M., Farrag, M. and BaAli, K.A., 2017, March. Detection of primary user signal in wideband cognitive radio networks exploiting DCT as sensing matrix. In *Radio Science Conference (NRSC), 2017 34th National* (pp. 152-159). IEEE.
29. Abo-Zahhad, M., Farrag, M. and Ali, A., 2017. Optimization of Transmitted Power and Modulation Level for Minimizing Energy Consumption in Wireless Sensor Networks. *Wireless Personal Communications*, 96(3), pp.4047-4062."
30. Ali, A., Abo-Zahhad, M. and Farrag, M., 2017. Modeling of wireless sensor networks with minimum energy consumption. *Arabian Journal for Science and Engineering*, 42(7), pp.2631-2639."
31. Farrag, M., Abo-Zahhad, M., Doss, M.M. and Fayez, J.V., 2017. A new localization technique for wireless sensor networks using social network analysis. *Arabian Journal for Science and Engineering*, 42(7), pp.2817-2827."
32. Abo-Zahhad, M.A., Ahmed, S.M., Farrag, M.A. and BaAli, K.A., 2018. Wideband Cognitive Radio Networks Based Compressed Spectrum Sensing: A Survey. *Journal of Signal and Information Processing*, 9(02), p.122."
33. Farrag, M., 2018. Secure Differential Compressive Spectrum Sensing with 1-Bit Quantization. *IET Communications*.
34. M. Usman, Mohammed I. Al-Rayif, "Threshold Detection for Visible Light Communication using Parametric Distribution Fitting", *International Journal of Numerical Modeling: Electronic Networks, Devices and Fields*, vol.31, issue 3, May/June 2018. Wiley.
35. M. Usman, "On the Performance Degradation of Speaker Recognition System due to Variation in Speech Characteristics Caused by Physiological Changes", *International Journal of Computing and Digital Systems (IJCDS)*, vol. 6, issue 3, May 2017
36. Thafasal Ijyas V. P. and Sameer S. M., "Pilot-Based Joint ML Estimation of Timing Offset, CFO and Channel for OFDMA Uplink Using Minimum Residue Decomposition Technique", *Springer Telecommunication Systems*, Volume 65, Issue 4, pp 649–661, August 2017.
37. Rahoof P P , Latha R Nair and Thafasal Ijyas V P, "Incorporating Trust in Public Key Infrastructure Certificates", *Advances in Computational Sciences and Technology*, ISSN 0973-6107 Volume 10, Number 5 (2017) pp. 671-686, Research India Publications."
38. Rahoof P P , Latha R Nair and Thafasal Ijyas V P, "Trust Structure in Public Key Infrastructures", *2nd IEEE International Conference on Anti-Cyber Crimes (ICACC)*, King Khalid University, Abha, KSA, 26-27 March 2017."
39. Arafath, Mohammed Salman, Khaleel Ur Rahman Khan. K.V.N. Sunitha "Opportunistic Sensor Networks: A survey on privacy and secure routing." In *Anti-Cyber Crimes (ICACC)*, 2017 2nd International Conference on, pp. 41-46. IEEE, 2017."
40. Arafath, Mohammed Salman, Khaleel Ur Rahman Khan. K.V.N. Sunitha "Pithy Review on Routing Protocols in Wireless Sensor Networks and Least Routing Time Opportunistic Technique in WSN." *2017 10th International Conference on Computer and Electrical*

Engineering (ICCEE 2017). The conference is held in University of Alberta, Edmonton, Canada during October 11-13, 2017."

41. Mohammed Salman Arafath, Khaleel Ur Rahman Khan, K.V.N. Sunitha " Incorporating privacy and security in military application based on Opportunistic sensor network", International Journal of Internet Technology and Secured Transactions (IJITST), (ISSN: (Print), ISSN: 1748-5703 (Online))"
42. Mohammed Salman Arafath, Khaleel Ur Rahman Khan, K.V.N. Sunitha " Incorporating security in Opportunistic routing and Traffic Management in Opportunistic sensor network", International Journal of Advanced Intelligence Paradigms (IJAIP), ISSN online: 1755-0394 ISSN print: 1755-0386"
43. Lella Aicha Ayadi, Taheni Dammak, Hassen Loukil, Mohamed Ali Benayed, Nouri Masmoudi, "A Novel Deblocking Filter Architecture for H. 264/AVC", Journal of Signal Processing Systems, pp 281-292, vol. 89, 2017.
44. Randa Khemiri, Hassan Kibeya, Hassen Loukil, Fatma Ezahra Sayadi, Mohamed Atri, Nouri Masmoudi, "Real-time motion estimation diamond search algorithm for the new high efficiency video coding on FPGA" Analog Integrated Circuits and Signal Processing, pp. 259-276, vol. 94, 2018.
45. Lella Aicha Ayadi, Hassen Loukil, Mohamed Ali Ben Ayed, Nouri Masmoudi, " Efficient implementation of HEVC decoder on Zynq SoC platform", Advanced Technologies for Signal and Image Processing (ATSIP), pp.1-5, 2018.
46. Ahmed Kammoun, Fatma Belghith, Hassen Loukil, Nouri Masmoudi, "An optimized and unified architecture design for H. 265/HEVC 1-D inverse core transform", Image Processing, Applications and Systems (IPAS), pp.1-6, 2016.
47. Fatma Belghith, Hassan Kibeya, Hassen Loukil, Mohamed Ali Ben Ayed, Nouri Masmoudi, "A new fast motion estimation algorithm using fast mode decision for high-efficiency video coding standard", Journal of Real-Time Image Processing, pp. 675-691, vol. 11, 2016.
48. Ridha Ouni, Monji Zaidi, ETtoA: New 2D geolocation-based handover decision technique, ICT Express 2 (2016) 28–32, Available online at www.sciencedirect.com, www.elsevier.com/locate/icte
49. Ridha Ouni, Monji Zaidi, Maazen Alsabaan, Wadood Abdul, Amr Alasaad, Mobile geolocation techniques for indoor environment monitoring, AEU - International Journal of Electronics and Communications, Accept with Minor revision, July 2018"
50. Mohamed Abbas , "An Algorithmic Model to Renew Infected Liver Volumes", The International Conference on Electrical and Computing Technologies and Applications, 2017 (ICECTA-2017)
51. Mohamed Abbas , "Effective Robotic Swarm Communication Using WiMax Technology", The 12th IEEE International Conference on Computer Engineering and Systems (ICCES-2017)