

Electrical Engineering

Year 2014

Conference Papers

1.	Hassan A.N. Hejase and Ali H. Assi, "Global and Diffuse Solar radiation in The United Arab Emirates," International Conference on Energy and Agriculture Engineering (ICEAE2013), Hong Kong, July 5-7, 2013.
2.	Mahmoud Al Ahmad, RF Capacitive Piezoelectric Displacement Extraction: ICST2013, New Zealand.
3.	Mahmoud Al Ahmad and Ali Al Marzouqi, Exit Exam as Academic Indicator: to be presented ICEEE, Todz, Poland, 2013.
4.	Mohammed Abdel-Hafez, Omkalthoum Al Bashir, and Khalid Shuaib, "On the Channel Capacity of Opportunistic Spectrum Access in Rayleigh Fading Channels," presented at CRCN2013, International Workshop on Cognitive Radio Communications and Networks in conjunction with the 5th International Conference on Ubiquitous and Future Networks from July 2 to July 5, 2013 in Da Nang, Vietnam.
5.	Mariam Alnuaimi, Khalid Shuaib, and Mohammed Abdel-Hafez, "Clustering Protocols in WSN for Border Monitoring," presented at the WMNC'2013 – IFIP/IEEE Wireless and Mobile Networking Conference to be held in Dubai, UAE, from 23th to 25th April 2013.
6.	Ahmed Gaouda, Khaled Shuaib, Mohammed Abdel-Hafez, Mahmoud Alahmad, Nasser Aljuhaishi, Hamid Sharif, "Conserving Energy in UAE Buildings: Demand Side Management and Methods for Experiencing Energy," submitted to IEEE - GCC Conference and Exhibition 2013, 17th to 20th of November 2013 at Doha, Qatar.
7.	M.S. Laghari & G.A. Khuwaja, "Scheduling Techniques for Parallel Implementation of Wear Particle Recognition Algorithms", Conference Proceedings, "The Third International Conference on Digital Information Processing and Communications (ICDIPC 2013)", Dubai, UAE, January 30 - February 1, 2013, pp. 439-453.
8.	Gulzar A. Khuwaja & Mohammad S. Laghari, "Compressed mammograms for breast cancer detection", Conference Proceedings, "The 3rd International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH)", Niagara Falls, Canada, October 21-24, 2013.
9.	Saleha Almheiri and Hend Alqamzi. Data Link Layer Security Protocols in Wireless Sensor Networks: A Survey. The 2013 IEEE International Conference on Networking Sensing and Control, Paris-Evry, France, April 10- April 12, 2013.
10.	Sarah Madi and Hend Al Qamzi. A Survey on Realistic Mobility Models for Vehicular Ad Hoc Networks (VANETs). The 2013 IEEE International Conference on Networking Sensing and Control, Paris-Evry, France, April 10- April 12, 2013.
11.	Y. Al Younes, A. Drak, H. Noura, A. Rabhi, A. El Hajjaji. Quadrotor Position Control Using Cascaded Adaptive Integral Backstepping Controllers. 2014 International Conference on Aerospace and Mechanical Engineering (AME 2014), Bangkok, Thailand, April 13 – 14, 2014.
12.	R.S.Bano, R. Ramzan, "COTS Based Multichannel FM receiver and Recorder using SDR Concept" IEEE International Conference on Electronics, Circuits, and Systems (ICECS), Abu-Dhabi, UAE, December 8-11, 2014.
13.	Zahi M. Omer, Ahmed M. Alameri, Abbas A. Fardoun and Ala A. Hussein "Comparison of Discharge Performance of 12V/150Ah Gel and AGM Sealed Lead-acid Batteries in Stand-alone PV-based Systems in UAE", to be presented at the 2014 International Conference of Renewable Energies and Power Quality (ICREPQ'14), Córdoba, Spain, April 7-10, 2014.
14.	Alaa N. Hail, Boshra A. Alshujaa, Waad K. Albeiey, Ala A. Hussein and Abbas A. Fardoun "Design Considerations of Digitally Controlled PV Battery Chargers", to be presented at the 3rd International Conference on Renewable Energy Generation and Application (ICREGA'14), Al Ain, UAE, March 2-5, 2014.
15.	Ala A. Hussein and Issa Batarseh "Energy Management for a Grid-tied Photovoltaic-Wind-Storage System—Part I: Forecasting Models", to be presented at the 3rd International Conference on Renewable Energy Generation and Application (ICREGA'14), Al Ain, UAE, March 2-5, 2014.
16.	Khaled Shuaib, Farag Sallabi, Mohammad Abdul-Hafez, A. M. Gaouda, "Distributed Generation for Distribution Network Voltage Enhancement and Energy Loss Reduction," The 2014 IEEE ISGT Asia Conference, May 20 – 23, 2014, Kuala Lumpur, Malaysia.

17.	O. I. Adam, Mohamed Shaaban, Khalid M. Nor, A. M. Gaouda, "Mathematical Modeling of a PEV Service Admission Control (PEVSAC) Scheme in Smart Grid," The 2014 IEEE ISGT Asia Conference, May 20 – 23, 2014, Kuala Lumpur, Malaysia.
18.	H. Liang, A. Abdrabou, and W. Zhuang, "Stochastic Information Management for Voltage Regulation in Smart Distribution Systems," Proc. IEEE INFOCOM'14, 2014.
19.	Ensiyeh Keshkaran, Abbas A. Fardoun and Hassan Noura," Employing Hydrogen Fuel Cell in Hybrid Energy Systems for Stand-Alone, Off-Grid Remote Sites in UAE", International Conference on Renewable Energies and Power Quality (ICREPQ'14), Bilbao-Spain, April 2014.
20.	Zahi M. Omer, Ahmed M. Al-Ameri, Abbas A. Fardoun and Ala A. Hussein, " Comparison of Discharge Performance of 12V/150Ah Gel and AGM Sealed Lead-acid Batteries in Stand-alone PV-based Systems in UAE", International Conference on Renewable Energies and Power Quality (ICREPQ'14), Bilbao-Spain, April 2014.
21.	Hassan A.N. Hejase and Ali H. Assi, "Estimation of Global and Diffuse Horizontal Irradiance in Abu Dhabi, United Arab Emirates," accepted to the XIII World Renewable Energy Congress (WREC XIII), London, UK, August 3-8, 2014.
22.	M. Nabag, A. Fardoun, H. Hejase, and A. Al-Marzouqi, "Review of Dynamic Electric Circuit Models for PEM Fuel Cells," accepted to the 3rd International Conference on Renewable Energy: Generation and Applications (ICREGA 2014), Al-Ain, UAE, March 2-5, 2014.
23.	Mohammed Abdel-Hafez, Khalid Shuaib, and Samer Mayaleh, "Unified Analytical Solution for Average Symbol Error Probability of Cooperative Relay Protocol over Non-Identical Nakagami Fading Channels," submitted to European Wireless 2014, EW2014, 2014 Barcelona, Spain, 14-16 May 2014.
24.	Mariam Alnuaimi, Khalid Shuaib, Klaitheem Al nuaimi and Mohammed Abdel-Hafez, "Clustering in Wireless Sensor networks Based on Node Ranking," Accepted at IWCMC 2014 Wireless Sensor Symposium – International Wireless Communications and Mobile Computing Conference, Nicosia, Cyprus, 4-8 August. 2014.
25.	Khaled Shuaib, Farag Sallabi Mohammed Abdel-Hafez, Ahmed Gaouda, "Mathematical Modeling of a PEV Service Admission Control (PEVSAC) Scheme in Smart Grid," accepted at the 2014 IEEE Innovative Smart Grid Technologies Conference - Asia (ISGT ASIA) - Smart Grid Operation, Control and Protection, May 20 – 23, 2014, Kuala Lumpur.
26.	Aysha A. Al Neyadi, Fatima M. Hilal, Mohammad S. Laghari, "Course Planning System", Conference Proceedings, "6th Annual Conference on Undergraduate Research on Applied Computing (URC2014)", Dubai, April 30 - May 1, 2014.
Books	
Book Chapters	
Patents	