Electrical Engineering

Year 2010
Conference Papers

1. H. Noura, F. Bateman. Control of an Unmanned Aerial Vehicle. Proceeding of the 7th International Symposium on Mechatronics and its Applications (ISMA10), Sharjah, UAE, April 20-22, 2010.

2. M. Aziz, H. Noura, A. Fardoun. General review of fault diagnostic in wind turbines. The 18th Mediterranean Conference on Control and Automation, Med'10. Marrakech, Morocco, June 23-25, 2010.

3. H. Shraim, M. Ouladsine, H. Noura. High Order Sliding Mode Techniques and the Applications on Automotive. The 18th Mediterranean Conference on Control and Automation, Med'10. Marrakech, Morocco, June 23-25, 2010.

4. S. A Khoja, Qurban Memon, "Usability Design Guidelines and Evaluation Techniques for handheld interactive devices focusing Developing Countries", Proceedings of International Conference on Trends in Information Technology and Applications, 2010, UAE.

5. Qurban Memon, "Detection of User Relationships in Networks Using Self-Organization Approach", Proceedings of 10th International Conference on Information Sciences, Signal Processing and their Applications (ISSPA), 2010, pp. 401-404.

6. F.Zafar, H.Abid, J.Ahmed, H.Raza, R.Ramzan, and Q.Wahab, "Design of a Highly Linear 900MHz Single Ended LNA in 0.35µm CMOS" IEEE Conference on Sustainable Utilization and Development in Engineering and Technology (STUDENT), UTAR, Malaysia, November 20-21, 2010.

7. R.Ramzan, Naveed Ahsan, Jerzy Dabrowski, and Christer Svenssion "A 0.5-6GHz Low Gain Linear RF Front-End in 90nm CMOS", IEEE Mixed Design of Integrated Circuits and Systems Conference (MIXDES), Poland, June 23-26, 2010.

8. Ala A. Hussein, Souhib Harb, Nasser Kutkut, John Shen and Issa Batarseh "Design Considerations for Micro Storage Systems in Residential Applications", 32nd IEEE International Telecommunications Energy Conference Proceedings, pp. 1-6, Orlando, Florida, USA, June, 6-10, 2010.

9. A-K. Hamid and M. I. Hussein, "Scattering by a nihility elliptic cylinder," 2nd International Conference on Metamaterials, Photonic crystals and Plasmonics-META 2010, Cairo, Egypt, Feb., 2010.

10. A-K. Hamid and M. I. Hussein, "TM Scattering by a Perfect Electromagnetic Conducting Strip," 2nd International Conference on Metamaterials, Photonic crystals and Plasmonics-META 2010, Cairo, Egypt, Feb., 2010.

11. Mohammed Abdel-Hafez and A.M. Gaouda "A New Look at Classification of Transformer Normal and Abnormal Currents," The 15th IEEE Mediterranean Electrotechnical Conference, Malta, April 2010.

12. H.T. Cheng, A. Abdrabou, and W. Zhuang, "Novel resource management with effective frequency reuse for end-to-end QoS support in wireless mesh networks," Proc. IEEE WCNC'10, Apr. 2010 (received the best paper award).

13. A. Abdrabou, B. Liang, and W. Zhuang, "Delay analysis for a reliable message delivery in sparse vehicular ad hoc networks," Proc. IEEE Globecom'10, Dec. 2010.

14. Mohammad Hayajneh, Imad Barhumi, and Falah Awwad, "Antenna Selection Algorithm for Down Link MIMO SDMA OFDM Cellular Systems". The IEEE 21th Personal, Indoor and Mobile Radio Conference, 26-30 September 2010, Istanbul, Turkey.

15.	Fariborz Fereydouni-forouzandeh, Otmane Ait Mohamed, Mohamad Sawan, and Falah Awwad, "Delay Calculation and Error Compensation in TBCD-TDM Communication Protocol for Wireless Body Sensor Networks". IEEE-NEWCAS and TAISA Conference, Canada, June 2010.
16.	Okba Zoubeidi, Abbas Ahmed Fardoun, Hassan Noura and Chem Nayar, "'Hybrid Renewable Energy Solution for Safari Camps", IEEE International Energy conference and Exhibition (EnergyCon), pp 244-249, December, 2010.
17.	Abbas A. Fardoun, Esam H. Ismail, Ahmad J. Sabzali and Mustafa A. Al-Saffar, "A Comparison between Three Proposed Bridgeless Cuk Topologies and Conventional Topologies for Power Factor Correction," 2nd IEEE International Conference on Sustainable Energy Technologies, ICEST10, Sri-Lanka, December 2010.
18.	Esam H. Ismail, Mustafa A. Al-Saffar, Ahmad J. Sabzali, and Abbas A. Fardoun, "High Voltage Gain Single-Switch Non-Isolated DC-DC Converters for Renewable Energy Applications," 2nd IEEE International Conference on Sustainable Energy Technologies, ICEST10, Sri-Lanka, December 2010.
19.	Muthanna A. Aziz, Hassan Noura, and Abbas Fardoun, "General Fault Diagnostics in Wind Turbines", 18th Mediterranean Conference on Control and Automation, MED'10, Morocco, pp. 1302 1307, June 2010.
20.	Hamood Albahal, Ahmed Algabri, Surour Alarifi, Naji Alsayari, Abbas Fardoun and Khalifa Harib, "Design of a Wheeled Soccer Robot", ISMA 10, Sharjah, UAE, pp. 1-6, April 2010.
21.	Mohammed Abdel-Hafez, and Ahmed Gaouda, "A New Look at Classification of Transformer Normal and Abnormal Currents", The 15th IEEE Mediterranean Electrotechnical Conference Melecon 2010, Valletta, Malta, 26 - 28 April 2010, Malta.
22.	Rose Hasan, and Mohammed Abdel-Hafez, Outage Capacity of Best Relay Selection Protocol for Cooperative Wireless Networks over Nonidentical Nakagami-m Channels with Arbitrary m, The Sixth International Conference on Wireless and Mobile Communications, ICWMC 2010, September 20-25, 2010, Valencia, Spain.
23.	M.S. Laghari, F. Ahmed, & J. Aziz, "Wear Particle Shape & Edge Detail Analysis", Conference Proceedings, "2nd IEEE International Conference on Computer and Automation Engineering (ICCAE 2010)", Singapore, February 26-28, 2010, pp. 122-125.
24.	M. Hayajneh, I. Barhumi, and F. Awwad, "Antenna selection algorithm for down link MIMO SDMA OFDM cellular systems," Personal Indoor and Mobile Radio Communications (PIMRC), 2010 IEEE 21st International Symposium on , pp.2450-2454, 26-30 Sept. 2010.
25.	Hend Alqamzi and Tiffany Li. A Distributed Topology Management Protocol for Wireless Sensor Networks. Proceedings of IEEE International conference of communications ICC 2010, May 23-27, 2010, Cape Town, South Africa.

Books

1.	H. Alqamzi. An energy-efficient architecture design for wireless sensor networks: Low-energy protocols and techniques. VDM Verlag Dr. Müller, ISBN: 978-3639176902, September, 2010.

Edited Books

Book Chapters

Patents

1.	Zhonghai Shi, Mark Michael, David Wu, James Buller, Jingrong Zhou and Akif Sultan, "Method of fabricating a semiconductor device having an extended liner", US patent 7,761,838, GLOBALFOUNDRIES, patent granted July 2010.

2. Akif Sultan, Jian Chen, Mark Michael and Jingrong Zhou, "Compensating for layout dimension effects in semiconductor device modeling", US patent 7,793,240, GLOBALFOUNDRIES, patent granted September 2010.