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1.	Authors:	G.T. Omarova, R.O. Tuksaitova, A.Sh. Albekova, Sh.S.Tleugazina	
	Paper Title:	Toponymic System in Akmola Region	
	<p>Abstract: This work was devoted to toponymic system, which express culture specific nature and language of generations. This system depends on the area. It is important to know which remote strata of population are represented in the target region, which language and professional groups they belonged to, which religion they practiced as this may have a direct influence on toponymic systems formation. Geographical names are formed based on models characterized by chronological and geographical ordering.</p>		1-4
	<p>Keywords: Region, Territory, Toponym, Toponymic System.</p> <p>References:</p> <ol style="list-style-type: none"> 1. N. Labunets. Russian Geographic Terminology in Language Contact. Abstract of Philological Doctor Thesis. Yekaterinburg, 2007, p. 3. 2. A. Superanskaya, Z. Issayeva, H. Iskhakova. Crimea's Toponymy. Part I: Introduction in Crimea Toponymy. – M.: Moscow Lyceum, 1995, p. 215. 3. Yu. Karpenko. Interaction of Geographic Terms and Toponyms // Local Geographic Terms in Toponymy, M., 1966. 4. V. Toporov. Some Considerations on Formation of Theoretical Onomastics // Principles of Toponymy. M, 1964. 5. I. Mullenon. Baltic and Finnish Geographic Vocabulary in Karelia. Petrozavodsk, 1991. 6. Akmola: Encyclopedia – Almaty: Atamura, 1995, pp. 35-41. 7. Description of Akmola Region. Petrograd, 1916. Edition of Migratory Administration. p.74. 8. G. Vodorezov. Akmola and Yereymentav Gradusolists Description of General Geological Map of Kazakhstan. GONTI – NKTP of USSR, 1938, p. 5 9. M. Diarova. Mutual Adaptation of Toponyms in Bilingualism. Abstract of Philological Doctor Thesis. Almaty, 1999, p. 10. 10. Toponyms in the Republic of Kazakhstan (name of populated settlements and large physical and geographical objects). Baitursynov Linguistics Institute. Almaty, 2001, p. 425. 		
2.	Authors:	Hamdy Mohamed Soliman, S. M. EL-Hakim	
	Paper Title:	Simple Model and PI Controller to Improve the Performance Characteristics of PMSM under Field Oriented Control with Using SVPWM	
	<p>Abstract: Voltage source inverter is widely used in many industrial applications such as robot, electric vehicle and machine tool. The performance of the drive system depends upon the method of control for converter and motor control method. From the most performance method is a space vector pulse width modulation technique. Here the field oriented control of permanent magnet synchronous motor with using space vector modulation is used to controlling the inverter and improving the performance characteristics of the motor such as speed, currents and the electric torque by reducing their ripples. This occurs through adding PI controller for flux and simple model to track the torque and speed when varying load is applied. In the PI controller, the d-axis flux is compared to rotor permanent magnet flux to solve the problem arises from non-sinusoidal of the magnetic flux. The output of the PI controller is added to the reference d-axis current. The new d-axis current will reach the best value of THD. The simple model is used to generate new q axis torque current controller comes from lookup table and adding to reference q axis current controller to control the motor speed. The effect of improvement can be seen through the torque ripples, THD and motor speed. This work is simulated by matlab simulink.</p>		5-13
	<p>Keywords: Matlab simulink, PI, PMSM and SVM.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Calin RUSU, "DSP based control of pm synchronous motor used in robot motion applications," Iulian BIROU 8th international conference on development and application systems, Suceava, Romania, 25–27 May, 2006, ppt. 45-50. 2. C. Mademlis and N. Margaris, "Loss minimization in vector-controlled interior permanent-magnet synchronous motor drives," Industrial Electronics, IEEE Transactions on, vol. 49,, 2002 pp. 1344-1347. 3. X. Jian-Xin, S. K. Panda, P. Ya-Jun, L. Tong Heng, and B. H. Lam, "A modular control scheme for PMSM speed control with pulsating torque minimization," Industrial Electronics, IEEE Transactions on, vol. 51, 2004, pp. 526-536. 4. O.Ogasawara,H.Akagi,and A.Nabel, "A novel PWM scheme of voltage source inverter based on space vector theory ," in Proc. EPE European Conf. Power electronics and Applications, 1989, pp.1197-1202. 5. Jenni and F. Wueest, "The optimization parameters of space vector modulation," in Proc. 5th European Conf. Power Electronics and Applications1993, pp.376-381. 6. P. L. Jansen and R. D. Lorentz, "Transducerless position and velocity estimation in induction and salient AC machines," IEEE Trans. Ind. Applicat., vol. 31, , Mar./Apr. 1995, pp. 240–247. 7. P. L. Jansen, R. D. Lorenz, and D. W. Novotny, "Observer-based direct field orientation: Analysis and comparison of alternative methods," Trans. Ind. Electron., vol. 45, no. 5, October, 1998, pp. 691-703. 8. P. Rathika and Dr. D. Devaraj, "Fuzzy logic – based approach for adaptive hysteresis band and dc voltage control in shunt active filter)," International Journal of Computer and Electrical Engineering, Vol. 2, No. 3, June2010, pp. 1793-8163. 9. Zare, Firuz and Zabihi, Sasan and Ledwich, Gerard F., "An adaptive hysteresis current control for a multilevel inverter used in an active power filter)," In Proceedings of European Conference on Power Electronics and applications, Aalborg, Denmark, Sept. 2007, pp. 1-8. 10. K. Bose, "An adaptive hysteresis-band current control technique of a voltage - fed PWM inverter for machine drive system)," IEEE Trans., on Ind. Appl., Vol.IA-37, 1990, pp.402-408. 11. Tae-Won Chun; Meong-Kyu Choi, "Development of adaptive hysteresis band current control strategy of PWM inverter with constant switching frequency)," Applied power electronics conf. and exposition, APEC. vol.1, 1996 pp.194-199. 12. A. Lidozzi, L. Solero, F. Crescimbeni, and A. Di Napoli, "SVM PMSM drive with low resolution Hall-effect sensors," IEEE Trans Power Electron., vol. 22, no. 1, Jan. 2007, pp. 282–290. 		

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3.	<p>Authors:</p>	<p>Mohd. Abuzer Khan, Deepak Bicholia, Smita Patil</p>	14-17
	<p>Paper Title:</p>	<p>A Review on OFDM Based WiMAX System</p>	
	<p>Abstract: In this paper, we present the review on the OFDM based WiMAX system and its various versions. Worldwide Interoperability for Microwave Access has a acronym WiMAX. It is a PTP & PMP wireless technology which is based on IEEE 802.16 standard. WiMAX is a wireless technology that supports high speed data service, video and voice at the customer side. WiMAX technology could be used to overcome the problems like less coverage area, low data rate and less security. WiMAX technology has various versions that are 802.16d (fixed WiMAX) and 802.16e (mobile WiMAX). OFDM is an amalgam of multiplexing and modulation. Through this review paper, the observation has been done of the different modulation techniques and different wireless channels. The outcome of this review will provide a basic idea about the amendment of the WiMAX system by using Orthogonal Frequency Division Multiplexing technology.</p> <p>Keywords: WiMAX, OFDM, ICI, ISI, Doppler shift, Channel estimation, BER, SNR, Cyclic Prefix.</p> <p>References:</p> <ol style="list-style-type: none"> 1. K. Balachandran, “Design and analysis of an IEEE 802.16e based OFDMA communication System”, Bell Labs Technical Journal, pp. 53-73, 2007. 2. M. Ergen, Introduction to Mobile Broadband. Individual Book Chapter. Springer, New York, USA, 2009. 3. S. Yi, Y. Li, T. Liangrui and W. Wenjin, “Adaptive resource allocation algorithm based on IEEE 802.16 OFDM”, Seventh IEEE International Conference on Natural Computation, 2011. 4. Loutfi Nuaymi, WiMAX: Technology for Broadband Wireless Access, John Wiley & Sons, 2007. 5. Mohamed A. Mohamed, Mohamed S. Abo-El-Seoud and Heba M. Abd-El-Atty, “Performance Simulation of IEEE 802.16e WiMAX Physical Layer” Seventh IEEE International Conference on Natural Computation, 2010 . 6. R.B. Marks, K. Stanwood, D. Chang, et al. (October, 2004), IEEE Standard for Local and Metropolitan Area Networks, Part 16: Air Interface for Fixed Broadband Wireless Access Systems. 7. Y. Byungwook, H. L. Kyu and L. Chungyong, “Implementation of IEEE 802.16e MIMO-OFDMA Systems with K-BEST Lattice Decoding Algorithm”, International Conference on Consumer Electronics. Las Vegas, NV, USA, 2007. 8. W. Zhou, B. Xie and J. Song, “Link-level Simulation and Performance Estimation of WiMAX IEEE802.16e”, 2nd International Conference on Pervasive Computing and Applications, pp. 667-671, 2007. 9. J. Mountassir, H. Balta, M. Oltean, M. Kovaci and A. Isar, “A physical layer simulator for WiMAX in Rayleigh fading channel”, 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), pp. 281-284, 2011. 10. K. Balachandran, “Design and analysis of an IEEE 802.16e-based OFDMA communication System”, Bell Labs Technical Journal, pp. 53-73, 2007. 11. L. Cimini, “Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing”. IEEE Transactions on Communications, 2003. 12. John G. Prokies, Digital Communication, second edition, 2000. 13. M. Elo, White Paper: “Orthogonal Frequency Division Multiplexing”, Keithley Instruments, Inc, 2007. 14. H. Theodore S. Rappaport, Wireless Communications Principles and Practice, Pearson second edition, 1996, pp 294-308 & 355-370. 15. http://bwrc.eecs.berkeley.edu/classes/ee225c/lectures/lec16_ofdm.pdf. 16. Prabhakar Telagarapu, Prabhakar Telagarapu, K. Chiranjevi, “Analysis of Coding Techniques in WiMAX”, International Journal of Computer Applications, Volume 22– No.3, 2011. 17. Meenakshi Chourasiya, “Performance Analysis and Comparison of OFDM over Different Channel” International Conference on Pervasive Computing and Applications, pp. 567-571, 2013. 		
<p>Authors:</p>	<p>V. N. S. Manaswini, Y. Gayathri, Gowtham Mamidisetti</p>		
<p>Paper Title:</p>	<p>BSN with GSM</p>	18-20	
<p>Abstract: In this paper, Body Sensor Network Based Health Monitoring System is presented. In these days where mobility is needed everywhere wearable gadgets monitoring of health parameters for patient with medical warning is essential. To address the need of such patients this system is proposed. The proposed BSN uses miniature sensors to detect the health parameters. These health parameters are then communicated to physician’s server. The physician set various threshold values for the health parameters to caution the patient. The caution messages are generated by the physician’s server to send back the physicians advice to the patient on his current health condition. The communication of patient health parameters to physician server and physician advice to the patient are successfully implemented using long range wireless technology GSM.</p> <p>Keywords: Body Sensor Network(BSN); HMS (Health Monitoring System);GSM (Global System for Mobile Communication); Health Parameters; Miniature Sensors; Physician’ server</p> <p>References:</p> <ol style="list-style-type: none"> 1. R.S.H. Istepanian, E. Jovanov, Y.T. Zhang, —Guest Editorial Introduction to the Special Section M-Health: Beyond Seamless Mobility and Global Wireless Health-Care Connectivity, IEEE Transactions on information technology in 			
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