**PAPER TITLE (14pt Times New Roman, Bold, left Aligned)**

Correspondence Author \*1, Co-author(S)2 (12pt Times New Roman, Bold, left align)

\*1 Department, Collage/University, Country (10pt Times New Roman, Center)

Email: email@xxx.xxx

2 Department, Collage/University, Country (10pt Times New Roman, Center)

Email: email@xxx.xxx

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| --- | --- |
|  |  |
|  | ***Abstract*** |
| ***Keywords:****2-6 Keywords are required (10pt Times New Roman, Italic, left).* | An abstract of no more than 200 words (10pt Times New Roman, Justified).s. |
|  |  |

**Introduction (Heading 12pt Times New Roman, Bold, Justified)**

All content should be written in English and should be in single column.

Page type will be A4 with normal margin, word spacing should be 1.

No space will be added before or after paragraph (manual spacing will required).

This section should be typed in character size 10pt Times New Roman, Justified.

**Materials and methods (Heading 12pt Times New Roman, Bold, Justified)**

**Subheading (10pt Times New Roman, Bold, Justified)**

This section should be typed in character size 10pt Times New Roman, Justified

**Figure**:

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***9pt Times New Roman, Bold, Italic***

***Sub-subheading* (10pt Times New Roman, Bold, Italic, Justified)**

Sub-subheading should be 10pt Times new roman, Italic, Justified.

This section should be typed in character size 10pt Times New Roman, Justified

**Results and discussion (Heading 12pt Times New Roman, Bold, Justified)**

The results and discussion may be combined into a common section or obtainable separately. They may also be broken into subsets with short, revealing captions.

This section should be typed in character size 10pt Times New Roman, Justified

**Formulae: (10pt Times New Roman, Bold, Justified)**

Ra=Raia+ia$\frac{di\_{a}}{dt }+M\_{ab}\frac{di\_{b} }{dt }+M\_{ac }\frac{di\_{c}}{dt}+a\_{a}$ (1)

Rb=Rbia+ib$\frac{di\_{b}}{dt }+M\_{ba}\frac{di\_{a} }{dt }+M\_{bc }\frac{di\_{c}}{dt}+a\_{b}$ (2)

Rc=Rcic+ic$\frac{di\_{c}}{dt }+M\_{ca}\frac{di\_{a} }{dt }+M\_{cb }\frac{di\_{b}}{dt}+a\_{c}$ (3)

**Tables**: **(10pt Times New Roman, Bold, Justified)**

***Table 9. Comparison table for motoring mode***

|  |  |  |  |
| --- | --- | --- | --- |
|  |  PI | PID | FUZZY |
| SPEED(rpm) | 1500 | 1500 | 1500 |
| Settling time of speed | 0.8 | 1.8 | 0.4 |
| Speed fluctuations | ±20rpm | ±10rpm | - |
| Torque ripples | ±6 | ±0.5 | ±0.05 |

**Conclusion (Heading 12pt Times New Roman, Bold, Justified)**

This fragment should obviously state the foremost conclusions of the exploration and give a coherent explanation of their significance and consequence.

This section should be typed in character size 10pt Times New Roman, Justified

**Acknowledgements (Heading 12pt Times New Roman, Bold, Justified)**

This section should be typed in character size 10pt Times New Roman, Justified.

**References (Heading 12pt Times New Roman, Bold, Justified)**

##### Xue Li, , Vasu D. Chakravarthy, , Bin Wang, and Zhiqiang Wu, “Spreading Code Design of Adaptive Non-Contiguous SOFDM for Dynamic Spectrum Access” in IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, VOL. 5, NO. 1, FEBRUARY 2011

1. J. D. Poston and W. D. Horne, “Discontiguous OFDM considerations for dynamic spectrum access in idel TV channels,” in Proc. IEEE DySPAN, 2005.
2. R. Rajbanshi, Q. Chen, A.Wyglinski, G. Minden, and J. Evans, “Quantitative comparison of agile modulation technique for cognitive radio tranceivers,” in Proc. IEEE CCNC, Jan. 2007, pp. 1144–1148.
3. V. Chakravarthy, X. Li, Z. Wu, M. Temple, and F. Garber, “Novel overlay/underlay cognitive radio waveforms using SD-SMSE framework to enhance spectrum efficiency—Part I,” IEEE Trans. Commun., vol. 57, no. 12, pp. 3794–3804, Dec. 2009.
4. V. Chakravarthy, Z. Wu, A. Shaw, M. Temple, R. Kannan, and F. Garber, “A general overlay/underlay analytic expression for cognitive radio waveforms,” in Proc. Int. Waveform Diversity Design Conf., 2007.
5. V. Chakravarthy, Z. Wu, M. Temple, F. Garber, and X. Li, “Cognitive radio centric overlay-underlay waveform,” in Proc. 3rd IEEE Symp. New Frontiers Dynamic Spectrum Access Netw., 2008, pp. 1–10.
6. X. Li, R. Zhou, V. Chakravarthy, and Z. Wu, “Intercarrier interference immune single carrier OFDM via magnitude shift keying modulation,” in Proc. IEEE Global Telecomm. Conf. GLOBECOM , Dec. 2009, pp. 1–6.
7. Parsaee, G.; Yarali, A., "OFDMA for the 4th generation cellular networks" in Proc. IEEE Electrical and Computer Engineering, Vol.4, pp. 2325 - 2330, May 2004.
8. 3GPP R1-050971,"R1-050971 Single Carrier Uplink Options for EUTRA: IFDMA/DFT-SOFDM Discussion and Initial Performance Results ",http://www.3GPP.org,Aug 2005
9. IEEE P802.16e/D12,'Draft IEEE Standard for Local and metropolitan area networks-- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems', October 2005
10. 3GPP RP-040461, Study Item: Evolved UTRA and UTRAN, December 200
11. R. Mirghani, and M. Ghavami, “Comparison between Wavelet-based and Fourier-based Multicarrier UWB Systems”, IET Communications, Vol. 2, Issue 2, pp. 353-358, 2008.
12. R. Dilmirghani, M. Ghavami, “Wavelet Vs Fourier Based UWB Systems”, 18th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, pp.1-5, Sep. 2007.
13. M. Weeks, Digital Signal Processing Using Matlab and Wavelets, Infinity Science Press LLC, 2007.
14. S. R. Baig, F. U. Rehman, and M. J. Mughal, “Performance Comparison of DFT, Discrete Wavelet Packet and Wavelet Transforms in an OFDM Transceiver for Multipath Fading Channel,”, 9th IEEE International Multitopic Conference, pp. 1-6, Dec. 2005.
15. N. Ahmed, Joint Detection Strategies for Orthogonal Frequency Division Multiplexing, Dissertation for Master of Science, Rice University, Houston, Texas. pp. 1-51, Apr. 2000.

**Author Biblography**

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| Place here a photograph of the author | **Athor Name here**Description upto 100 wordsEmail: author@xxx.xxx |
| Place here a photograph of the author | **Athor Name here**Description upto 100 wordsEmail: author@xxx.xxx |