Publications of Dr. Manoj Shukla

Journals

1. M. Shukla, V.K. Srivastava, Sudarshan Tiwari, "Analysis and Design of Optimum Interleaver for Iterative Receivers in IDMA Scheme" Wiley Journal of Wireless Communications and Mobile Computing (WCM) Vol. 9, Issue 10, pp. 1312-1317, 2009. (Indexed in Thomson Reuters Master Journal List)

DOI: 10.1002/wcm.710

http://onlinelibrary.wiley.com/doi/10.1002/wcm.710/abstract

2. M. Shukla, Aasheesh Shukla, Rohit Kumar, V.K. Srivastava, Sudarshan Tiwari, "Simple Diversity Scheme for IDMA Communication System", International Journal of Applied Engineering Research (IJAER) Vol. 6, 2009/pp. 877-883

Print ISSN 0973-4562, Online ISSN 1087--1090 (Indexed in SCOPUS)

http://www.ripublication.com/ijaerv4/ijaerv4n6_4.pdf

3. M. Shukla, V.K. Srivastava, Sudarshan Tiwari, "A VHDL Implementation of Orthogonal Interleavers for the IDMA Scheme", The IUP Journal of Telecommunications, Vol. 1, 2009, pp. 63-71, 2009. (Indexed in SCOPUS)

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1521407

http://www.iupindia.in/1109/IJTC_VHDL%20Implementation_63.html

4.M. Shukla, Ruchir Gupta, "Performance Analysis of Optimum Interleaver based on Prime Numbers for Multiuser Iterative IDMA Systems" International Journal of Interdisciplinary Telecommunications and Networking (IJITN), U.S.A., Vol.2, pp. 51-65, 2010. (Indexed in Thomson Reuters Master Journal List)

DOI:10.4018/jitn.2010070103

http://www.igi-global.com/article/international-journal-interdisciplinary-telecommunications-networking/46966

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1962646

5. M. Shukla, V.K. Srivastava, Sudarshan Tiwari,"Performance Analysis of Tree Based Interleaver with Iterative IDMA Receivers Using Unequal Power Allocation Algorithm", International Journal of Electronics & Telecommunication and Instrumentation Engineering (IJETIE), U.S.A., Vol. 2, pp. 15-25, 2010.

www.serc.org.in/admin/pdffiles/3-VOL-2-IJETIE.pdf

6.M. Shukla, V.K. Srivastava, S. Tiwari, "Implementation of Interleavers for Iterative IDMA Receivers", Journal of Information Technology, pp. 1-10, 2011. (Indexed in SCOPUS) Academy Publishers, U.S.A., ISSN 1815-4472,

DOI:10.3923/rjit.2012.12.21

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1968068

http://scialert.net/qredirect.php?doi=rjit.0000.37770.37770&linkid=pdf

7.M. Shukla, Akanksha Gupta, Rinkoo Bhatia, "Performance Evaluation of Maximal Ratio Receiver Combining Diversity with Prime Interleaver for Iterative IDMA Receiver", International Journal of Information Engineering and Applications, Vol 1, No.3, pp. 29-39,

2011. (Indexed in EBSCO (U.S.), Index Copernicus (Poland)) International Institute for Science, Technology and Education (IISTE), U.S.A., ISSN 2224-5758 (print) ISSN 2224-896X (online)

http://www.iiste.org/Journals/index.php/JIEA/article/view/802 http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1967880

8. Kulbhushan Gupta, C.K. Shukla, M. Shukla, "Iterative IDMA Receivers with Random and Tree Based Interleavers", International Journal of Information Engineering and Applications, Vol 1, No.3, pp. 13-24, 2011.

International Institute for Science, Technology and Education (IISTE), U.S.A., ISSN 2224-5758 (print) ISSN 2224-896X (online) (Indexed in EBSCO (U.S.), Index Copernicus (Poland))

http://www.iiste.org/Journals/index.php/JIEA/article/view/800 http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1967883

9. Kulbhushan Gupta, C.K. Shukla, Shashi Tiwari and M. Shukla, "Performance Evaluation of Iterative IDMA Receivers on Modulation Schemes for Relay and Ad-Hoc Networks", International Journal of Recent Trends in Engineering (IJRTE) Vol. 5, pp. 130-133, 2011. ACEEE, USA, ISSN 2158-5563

DOI:01.IJRTET.5.2.162

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955822

http://searchdl.org/index.php/journals/view/569

10. Somendra Shukla, Sanjiv Mishra, Vijay Shankar Tripathi, and M. Shukla, "Orthogonal Interleavers with Iterative IDMA Scheme for Multipath Environment", International Journal of Recent Trends in Engineering (IJRTE) Vol. 5, pp. 92-94, 2011. ACEEE,USA, ISSN 2158-5563

DOI:01.IJRTET.5.2.168

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955865

http://searchdl.org/index.php/journals/view/560

11. Shashi Tiwari Dolly Sharma Kulbhushan Gupta C.K. Shukla M. Shukla, "Performance Analysis of Various Modulation Techniques in Multipath Ad-Hoc Network using Tree Based Interleaver for Iterative IDMA Systems", International Journal of Computer Application (IJCA) Special Issue on Wireless Communication and Mobile Networks, pp. 37-42, Vol. 1, 2012.

Foundation of Computer Science, USA (Indexed in EBSCO (U.S.), Index Copernicus (Poland))

http://research.ijcaonline.org/wcmn/number1/wcmn1008.pdf

- 12. V.S. Tripathi, Sanjiv Mishra, M. Shukla, "BPSK and QPSK Modulation Techniques with Optimum Tree Based Interleaver in Iterative IDMA Systems", International Journal of Communication Systems and Networks (IJCSN), Vol 1, 2012, MIR Lab http://ijcsn.com/data/IJCSN-2.pdf
- 13. Vishal Shukla, Manoj Kumar Shukla and Tanuja Pande, "Multiuser Detection using IDMA Scheme in UWB Home Environment", International Journal of Computer Applications (IJCA), pp. 24-29, Vol 55, No. 13, Oct. 2012.

Foundation of Computer Science, New York, NY 10001, USA (Indexed in EBSCO (U.S.), Google Scholar)

http://www.ijcaonline.org/archives/volume55/number13/8816-2728

14. M. Shukla, Ashutosh Kumar Singh, Rneez Kabeer, "Performance Analysis of First Iteration Fractal Log Periodic Antenna of Varying Angles", Central European Journal of engineering (Springer), pp. 51-57, Volume 3, Issue 1, 2013. (Indexed in Thomson Reuters Master Journal List)

http://link.springer.com/article/10.2478%2Fs13531-012-0040-2

15. Sugandha Sharma, Poonam Ahirwar, Shikha Chauhan, Subhra Upadhyay, M. Shukla, "Power Rotational Interleaver on an IDMA System", Journal of Innovative Systems Design and Engineering pp. 33-38, Vol.4, No.7, 2013.

IISTE, USA (Indexed in EBSCO (U.S.), Index Copernicus (Poland) http://www.iiste.org/Journals/index.php/ISDE/article/view/6033/6072

16. Aasheesh Shukla, Rajat Sapra, Vishal Goyal, M. Shukla, "Application of Diversity Techniques for Multi User IDMA Communication System" Journal of Network and Complex Systems, pp. 26-32, Vol.3, No.3, 2013.

IISTE, USA (Indexed in EBSCO (U.S.), Index Copernicus (Poland) http://www.iiste.org/Journals/index.php/NCS/article/view/6070/6024

17. M. Shukla, Nutan Sharma, Shashi Tiwari, "Performance Analysis of Iterative IDMA Scheme in Power Line Communication Using Random Interleaver", Journal of Network and Complex Systems, pp. 33-37, Vol.3, No.3, 2013. IISTE, USA (Indexed in EBSCO (U.S.), Index Copernicus (Poland)

http://www.iiste.org/Journals/index.php/NCS/article/view/6071/6027

18. Sanjiv Mishra , Somendra Shukla, M. Shukla, "Analysis of Maximal Ratio Combining Scheme with IDMA Systems Using Prime Interleaver with Zigzag Coding", Multimedia Technology (MT), pp. 7-13, Vol 3, Issue 1, 2014. SEP, USA

http://www.seipub.org/mt/paperInfo.aspx?ID=13733

- 19. Prachi Tripathi, Manoj Kumar Shukla, "Performance Evaluation of Diversity Techniques in IDMA Scheme for Next Generation (4G) in Underwater Wireless Communication", Wireless Engineering and Technology (WET), Vol 5, No.3 pp. 88-98, 2014. http://www.scirp.org/journal/PaperInformation.aspx?PaperID=48319#.U9omhUDBrIU
- 20. Prachi Tripathi, Shivani Dixit, M. Shukla, "Performance Evaluation of Rotational Interleaver for IDMA Scheme in Acoustic Environment", Journal of Open Access Library (OALib), Volume 1, e761, pp. 1-7, August 2014.

http://www.oalib.com/articles/3099398

21. Somendra Shukla, Shikha Pandey, Vipul Dixit, M. Shukla, "Analysis and Design of Optimum Interleaver for Iterative Receivers in Indoor Wireless Optical IDMA Scheme", Global Journal of Enterprise Information System [GJEIS], Volume 6, Issue 2, pp. 61-66, April-June 2014. (Indexed in EBSCO (U.S.), Index Copernicus (Poland) http://www.gjeis.org/index.php/gjeis/article/view/51847

DOI:http://dx.doi.org/10.15595/gjeis%2F2014%2Fv6i2%2F51847

22. Pradeepti Bisht, M. Shukla, Saurabh Mishra, "M-ARY PSK Scheme in Cellular

Environment", International Journal of Computer Applications (IJCA), pp. 20-24, Vol 99, No. 12, Aug. 2014. (Indexed in EBSCO (U.S.), Google Scholar) http://www.ijcaonline.org/archives/volume99/number12/17426-8279

23. Prachi Tripathi , M. Shukla, "Performance Analysis of Channel Estimation Based Rake Receiver with IDMA For Underwater Acoustic Channel", Wulfenia: Mitteilungen des Kärntner, Volume 22, No. 3, pp. 352-360, March 2015 , Austria. (Indexed in Thomson Reuters Master Journal List)

http://www.multidisciplinarywulfenia.org/archive.php/?volume=22&issue=3

24. P.S. Sharma, Sandeep Vijay, M. Shukla, "UWB Based IDMA System with RAKE Reception", Wulfenia: Mitteilungen des Kärntner, Volume 22, No. 4, pp. 168-183, April 2015, Austria. (Indexed in Thomson Reuters Master Journal List) http://www.multidisciplinarywulfenia.org/archive.php/?volume=22&issue=4

25. Ajay Patel, Ruchi Gupta and M. Shukla, "Performance Analysis of OFDM-IDMA and SC-FDMA-IDMA Scheme in Underwater Communication", Global Journal of Enterprise Information System [GJEIS], Vol 7, Issue 2, pp. 11-17, April-June 2015. (Indexed in EBSCO (U.S.), Index Copernicus (Poland)

https://www.academia.edu/16418504/GJEIS_-Volume_-7_Issue-2_Apr-June_2015

Print ISSN: 0975-153X | Online ISSN: 0975-1432

26. Surendra Kr Sriwas, M K Shukla, R Asthana, J P Saini, "Performance Analysis of Optical Interleave Division Multiple Access Using Solitons", Journal of Computing Technologies, Volume 5, Issue 1, pp. 90-95, Jan 2016.

http://www.advanceresearchlibrary.com/temp/downloads/jct/January2016/v15.pdf

27. S. K. Sriwas, M. Shukla, R. Asthana and J. P. Saini, "Fix the Nonlinear Effect and Dispersion in Optical-interleave Division Multiple Access System for Long Distance", Indian Journal of Science and Technology, Vol 9(35), September 2016. (Indexed in Thomson Reuters Master Journal List)

http://www.indjst.org/index.php/indjst/article/viewFile/97888/73496

DOI: 10.17485/ijst/2016/v9i35/97888,

September 2016, ISSN (Print): 0974-6846, ISSN (Online): 0974-5645

28. S. K. Sriwas, M. Shukla, R. Asthana and J. P. Saini, "High-Speed Detection with Avalanche Photo diode in Optical Interleave Division Multiple Access Scheme", Indian Journal of Science and Technology, Vol 9(38), Oct. 2016. (Indexed in Thomson Reuters Master

Journal

List)

http://www.indjst.org/index.php/indjst/article/view/101632/74249

DOI: 10.17485/ijst/2016/v9i38/101632, Oct. 2016, ISSN (Print): 0974-6846, ISSN (Online): 0974-5645

29. Prachi Tripathi, M. Shukla, "An Approach to Mitigate Fading issues for Underwater Communication using MIMO-OFDM-IDMA Scheme", accepted for publication in Indian Journal of Science and Technology, 2016. (Indexed in Thomson Reuters Master Journal List)

ISSN (Print): 0974-6846, ISSN (Online): 0974-5645

30. M. Shukla, V.K. Srivastava, S. Tiwari, "A VHDL Implementation of Orthogonal Interleavers for the IDMA Scheme", *The IUP Journal of Telecommunications*, vol. 1, pp. 63-71, 2009.

http://www.iupindia.in/1109/IJTC_VHDL%20Implementation_63.html

Conferences

International Conferences

1. Vineeta Agarwal, M. Shukla, D. Sheshchalam, "A Novel Technique for Indication of Power Frequency Deviation", in Proc. of 4th IASTED International Conference on Modeling, Simulation, and Optimization 'MSO 2004' "ACTAPRESS", pp. 186-191, August 17 – 19, 2004, Kauai, Hawaii, USA.

www.actapress.com/Abstract.aspx?paperId=17182

2.M. Shukla, V.K. Srivastava, S. Tiwari, "Interleave Division Multiple Access for Wireless Communication" in Proc. of International Conference on Next Generation Communication Systems: A Perspective' "ICONGENCOM 06", pp. 150-154, Dec. 9-11, 2006, J.K. Institute, Allahabad, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955815

- 3. M. Shukla, V.K. Srivastava, S. Tiwari, "A Novel Interleaver for Interleave Division Multiple Access Scheme", in Proc. of International Conference on Information and Communication Techniques' "ICCT 07", Dec. 2007, D.I.T., Dehradun, India http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955930
- 4. M. Shukla, V.K. Dwivedi, "Performance Comparison of different Error Correction Codes", in Proc. of International Conference on Information and Communication Techniques' "ICCT 07", Dec./ 2007, D.I.T., Dehradun, India.
- 5. M. Shukla, V.K. Srivastava, S. Tiwari, "Analysis and Design of Tree Based Interleaver for Multiuser Receivers in IDMA Scheme", in Proc. of 16th IEEE International Conference on Networks "ICON 2008" (IEEE), pp. 1-4, Dec.12-14/ 2008, Delhi, India (Organized by IIT, Roorkee).

DOI: 10.1109/ICON.2008.4772593

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4772593

6. M. Shukla, A. Shukla, V.K. Srivastava, S. Tiwari, "Performance Evaluation of MRC Diversity Scheme for Iterative IDMA Receivers", in Proc. of Annual **IEEE** India Conference "INDICON 2009", pp. 1-4, Dec. 18-20, 2009, Ahamdabad, India.

DOI:10.1109/INDCON.2009.5409463

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5409463

- 7.M. Shukla, S. Sriwas, V.K. Srivastava, S. Tiwari, "Performance Evaluation of Maximal Ratio Combining Diversity Technique for IDMA Systems", in Proc. of International Conference on Wireless Communication and Sensor Networks "WCSN 09" (IEEE), pp. Dec. 16-18/ 2009, IIIT, Allahabad, India.
- 8. M. Shukla, R.C.S. Chauhan, V.K. Srivastava, S. Tiwari, "Performance Analysis of Tree Based Interleaver with IDMA Systems using Optimum Power Allocation Algorithm", in

Proc. of IEEE International Conference on Internet Multimedia Systems Architecture and Application "IMSAA 09" (IEEE), pp. 1-5, Dec.9-11/2009, IISc, Bangalore, India.

DOI:10.1109/IMSAA.2009.5439488

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5439488

9. Shukla, M.; Srivastava, V.K.; Tiwari, S., "Performance Analysis of Tree Based Interleaver with IDMA Systems using Optimum Power Allocation Algorithm", in Proc. of 2nd International Conference on Emerging Trends in Engineering & Technology "ICETET-09" (IEEE), pp. 1173-1177, Dec. 16-18, 2009, G.H.Raisoni College of Engineering, Nagpur, India.

DOI:10.1109/ICETET.2009.170

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5395048

10. Shukla, M.; Chauhan, R.C.S.; Gupta, R.; Srivastava, V.K.; Tiwari, S., "Performance Analysis of Tree Based Interleaver with Iterative IDMA Receivers using Optimum Power Allocation Algorithm", in Proc. of First UK-India International Workshop on Cognitive Wireless Systems "UKIWCWS 09" (IEEE), pp. 1-4, Dec.29-29, 2009, IIT, Delhi, India.

DOI:10.1109/UKIWCWS.2009.5749419

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5749419

11. M. Shukla, A. Shukla, V.K. Srivastava, S. Tiwari, "Different Designing Factors for IDMA Systems", in Proc. of 1ST International Conference on Computer, Communication, and Control and Information Technology "C3 IT 2009" pp. 750-758, Feb. 2009, Academy of Technology, Calcutta, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955900

12. M. Shukla, V.K. Srivastava, S. Tiwari, "Analysis of Optimum Interleaver for Receivers in IDMA Systems", in Proc. of 10TH International Conference on Computing and Networking "ICDCN 2009", Lecture Notes in Computer Sscience , 2009, Volume 5408/2009, pp. 400-407, Jan./ 2009, IIIT, Hyderabad, India (SPRINGERLINK).

DOI:10.1007/978-3-540-92295-7_48,

http://www.springerlink.com/content/76627727k26v7p23/

13. M. Shukla, P.S. Sharma, Ashutosh Singh, V.K. Srivastava, S. Tiwari, "Performance Analysis of Iterative IDMA Systems with MRC Diversity in Multipath Fading Environment using Optimum Tree Based Interleaver", in Proc. of International Conference On Computational Intelligence And Computing Research "ICCICR 10" (IEEE), pp. 1-4, Dec. 28-29 2010, Tamilnadu College of Engineering, Coimbatore, India.

DOI:10.1109/ICCIC.2010.5705812

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5705812

14. Shukla, M.; Gupta, M.; Tiwari, S.; Sharma, P.S.; Shukla, S, "Optical Interleave-Division Multiple-Access Scheme for Long Distance Optical Fiber Communication", in Proc. of International Conference on Computational Intelligence and Computing Research "ICCIC 2010" (IEEE), pp. 1-5, Dec. 28-29/ 2010, Tamilnadu College of Engineering, Coimbatore, India.

DOI:10.1109/ICCIC.2010.5705771

http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5705771&tag=1

15. M.K. Shukla, Monika Gupta, "A System Proposal for Optical Interleave Division Multiple Access", in Proc. of First International Conference in Signal Processing and VLSI

Design, pp. 932-637, June 11-13, 2010, Guru Nanak Engineering College, Hyderabad, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1957931

16. Gupta, R.; Kanaujia, B.K.; Chauhan, R.C.S.; Shukla, M., "Prime Number Based Interleaver for Multiuser Iterative IDMA Systems", in Proc. of International conference on computational intelligence and communication networks "CICN 2010" (IEEE), pp. 603-607, Nov. 26-28 2010, Bhopal, India.

DOI:10.1109/CICN.2010.119

http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5702042

17. Jitendra Dwivedi, M. Shukla, K. S. Verma and R. K. Singh, "A Novel Technique for Indication of Power Frequency Deviations in Electrical Systems", in Proc. of International Conference on Power Electronics & Instrumentation Engineering "PEIE 2010", pp. 80-82, Sept. 7-9 2010, Kochchi, Kerala, India (SPRINGERLINK)

DOI:10.1007/978-3-642-15739-4 14

www.springerlink.com/index/V68VU70P1086783K.pdf

- 18. Abhilasha Kumari, Nutan Sharma, R.C.S. Chauhan, M. Shukla, "Feasibility of Cooperative Wireless Communication Systems", in Proc. of International Conference on Future trends in Information & Communication Technologies "FTICT 11", pp. 111-114, Feb. 11 2011, Raj Kumar Goel Institute of Technology, Ghaziabad, India
- 19. M. Shukla, Monika Gupta, Pradeep Kumar, "Performance Evolution of Optical Interleave Division Multiple Access in coded environment", in Proc. of International Conference on Emerging Trends in Electrical and Computer Technology "ICETECT 11", pp. 644-649, March, 23-24 2011, St. Xaviers Catholic College of Engineering Nagercoil, India (IEEE). DOI:10.1109/ICETECT.2011.5760197

http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5760197

20. M. Shukla, Nutan Sharma, J.K. Dwivedi and Surendra Kr. Sriwas, "Power Line Communication: A Survey", in Proc. of International Conference On Recent Trends in Engineering, Technology & Management, pp. 498-502, Feb 26-27 2011, B.I.E.T., Jhansi, India

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1956311

21. Surendra Kumar Sriwas, Kavita, D.C. Dhubkarya and Manoj Kr. Shukla, "Performance Analysis of Microstrip Ring Hybrid Power Divider", in Proc. of International Conference On Recent Trends in Engineering, Technology & Management, pp. 676-680, Feb 26-27 2011, B.I.E.T., Jhansi, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1958216

22. R.C.S. Chauhan, R. Asthana, M. Shukla, "Representation and Calculation of Correlation Constraints of One Dimensional Unipolar Orthogonal Codes", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2011" (IEEE), pp. 483 – 489, June, 3-5 2011, Shri Mata Vaishno Devi University, Katra, Jammu, India. DOI:10.1109/CSNT.2011.104

http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5966494

23. Kulbhushan Gupta, C.K. Shukla, Shashi Tiwari, M. Shukla, "Performance Evaluation of Modulation Techniques with Iterative IDMA Receivers using Optimum Tree Based

Interleaver", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2011" (**IEEE**), pp. 510-513, June3-5 2011, Shri Mata Vaishno Devi University, Katra, Jammu, India.

DOI:10.1109/CSNT.2011.109

http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5966499

24. R.C.S.Chauhan, M. Shukla, Ratenesh Kumar, G.P. Bagaria, "Proposal for One Dimensional Optical Orthogonal Codes: Design, Analysis, & Algorithm", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2011" (IEEE), pp. 514-519, June 3-5 2011, Shri Mata Vaishno Devi University, Katra, Jammu,

DOI:10.1109/CSNT.2011.110

http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5966500

25. Aakanksha Gupta, Rinkoo Bhatia, M.Shukla, "A Survey on Various Interleavers in Iterative IDMA Communication System", in Proc. of International Conference on Special Functions and their Applications in Science and Engineering "ICSFA-2011", pp. 30-34, Dec. 8-10 2011, Rustamji Institute of Technology, Gwalior, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1980199

26. Singh, Ashutosh Kumar; Purohit, N.; Singh, Kaushal P.; Shukla, M., "A novel approach for lifetime analysis of sensor network using fuzzy logic", in Proc. of Annual IEEE India Conference "INDICON 2011" (IEEE), pp. 1-6, Dec. 16-18, 2011, BITS Pilani Hyderabad Campus, India.

DOI:10.1109/INDCON.2011.6139429

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6139429

27. Nutan Sharma, Tanuja Pande, M. Shukla, "Survey of Power Line Communication", in Proc. of International Conference on Computer Communications & Networks "COMNET 2011", pp. 1-5, Dec. 4-6 2011, College of Technology and Engineering, MPUAT, Udaipur, India.

COMNET (ISBN: 973-93-80864-61-7)/Number 1 (ISBN: 973-93-80864-61-7) http://research.ijcaonline.org/comnet/number1/comnet1001.pdf

28. Sugandha Sharma, Akshay Kumar, M. Shukla, Kulbhushan Gupta, C.K. Shukla, "Rotational Interleaver for Iterative Interleave-Division Multiple-Access Scheme", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT-2012" (IEEE), pp. 635-638, Rajkot, India.

DOI:10.1109/CSNT.2012.142

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2061522

29. Aashish Shukla, Rajat Sapra, Vishal Goel, M. Shukla, "Performance Analysis of PAPR Reduction in Helical Interleaved OFDM System" in Proc. of International Conference on Communication Systems and Network Technologies "CSNT-2012" (**IEEE**), pp. 639-642, May 11-13 2013, Rajkot, India.

DOI:10.1109/CSNT.2012.143

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2061516

30. Akanksha Gupta, Vipul Dixit and Sanjiv Mishra, M. Shukla, "Maximal Ratio Receiver Combining Diversity with Iterative IDMA Systems using Prime Interleavers", in Proc. of

IEEE Students' Conference on Engineering and Systems "SCES-2012" (**IEEE**), pp. 1-6, March 15-16 2012, Motilal Nehru National Institute of Technology, Allahabad, India. DOI:10.1109/SCES.2012.6199041

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2034069

31. Monika Gupta, Divya shakti, M.Shukla, Pradeep Kumar, "Interleaver design for IDMA in optical environment", in Proc. of First International Conference on Communications and Electronics (ICCE 2012), pp. 214-219, Oct. 19-20 2012, Krishna Institute of Engineering Technology, Ghaziabad, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2209702

32. Vipul Dixit, Somendra Shukla and M. Shukla, "Performance Analysis of Optical IDMA System for Indoor Wireless Channel Model", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2012" (IEEE), pp. 382-386, Nov 03-05 2012, G.L.A. University, Mathura, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2172631

33. Monika Gupta, Pradeep Kumar, Sanjiv Mishra and M. Shukla, "Comparative study of Random and Tree Base Interleaver for Optical IDMA", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2012" (IEEE), pp. 271-275, Nov 03-05 2012, G.L.A. University, Mathura, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2172251

34. Shashi Dwivedi, Radha Singh, Nitin, Sarita Yadav, M. Shukla, "Optimal Spreading Mechanism with different modulation techniques using Random Interleaver in IDMA system", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2013" (IEEE), pp. 224-229, April 06-08 2013, MIR Lab, Gwalior, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2248411

- 35. Sheelesh Bharti, Surendra Kumar Sriwas, M.K. Shukla, Rachana Asthana, "Performance of IDMA through Optical Channel", in Proc. of International Conference on Technological Innovations through Modern Engineering Sciences "TIMES-2013", at Institute of Engineering & Technology, Alwar & IET Group, February 23-24, 2013.
- 36. Vivek Verma, Pratibha Verma, M. Shukla, Ashutosh Singh, "M-ARY PSK Modulation Scheme for IDMA Technique", International Conference on Advanced Computing, Networking, and Informatics "ICACNI-2013" (**SPRINGER**), pp. 1179-1186, Central Institute of Technology, Raipur, June 12-14, 2013.
- 37. Tanuja Pande, M. Shukla, Prachi Tripathi, Ashutosh Singh, "Underwater Communication with IDMA Scheme", in Proc. of International Conference on Advanced Computing, Networking, and Informatics "ICACNI-2013" (**SPRINGER**), pp. 1171-1178, Central Institute of Technology, Raipur, June 12-14, 2013.
- 38. Tripathi, Shweta; Dwivedi, J.K.; Shukla, M., "Power Line Communication with Tree Based Interleaver in Iterative IDMA Systems", in Proc. of International Conference on Computational Intelligence and Communication Networks, "CICN 2013", pp. 286 290, GLA University, Mathura, India, 27-29 Sept. 2013.

DOI:10.1109/CICN.2013.145

http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6658001&url=http%3A%2F%2Fieee xplore.ieee.org%2Fxpls%2Fabs all.jsp%3Farnumber%3D6658001

- 39. Rohini Rai, Prachi Tripathi, M. Shukla, "A Survey on Simulators for Wireless Sensor Networks", in Proc. of International Conference on Advances in Computing and Communication Engineering (ICACCE-14), BCTKEC, Dwarhat, India during Feb. 22-23 2014.
- 40. Rohini Rai, Prachi Tripathi, M. Shukla, "Novel Proposal for Intelligent Energy Billing and Security System", in Proc. of International Conference on Advances in Computing and Communication Engineering (ICACCE-14), BCTKEC, Dwarhat, India during Feb. 22-23 2014.
- 41. Monika Gupta, M. Shukla, Pradeep Kumar, "Interleaver Design Consideration for IDMA in Optical Environment", in Proc. of International Conference on Advanced Computing & Communication Technologies (ACCT-14), pp. 138-143, Feb. 8-9 2014 (IEEE), Rohtak, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2395095

42. Prachi tripathi, Shivani Dixit, Roopali Agarwal and M. Shukla, "MRRC Diversity in Multipath Fading Acoustic Environment for Iterative IDMA Receivers", in Proc. of International Conference on Computatuional Inteleegence and Communication Networks "CICN 2014" (IEEE), pp. 219-222, Nov 14-16 2014, Udaipur, India.

DOI:10.1109/CICN.2014.58

http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=7065477&refinements%3D4258762275%26ranges%3D2014_2014_p_Publication_Year%26queryText%3Didma

- 43. Prachi tripathi, Shivani Dixit, Roopali Agarwal and M. Shukla, "Maximal Ratio Combining Diversity Technique for IDMA Systems", in Proc. of International Conference on Communication Systems and Network Technologies "CSNT 2015" (IEEE), April 04-06 2015, Gwalior, India.
- 44. Prachi tripathi, M. Shukla,"Performance Analysis of Power Rotational Interleaver in Acoustic Environment", in Proc. of International Conference on Green Computing and Internet on Things (**IEEE**), pp. 1266-1271, Oct. 8-10, 2015, Delhi, India.
- 45. Brishketu Suman Tripathi, M. Shukla, Mohit Srivastava, "Performance Enhancement in Wireless Sensor Network using Hexagonal Topology", in Proc. of International Conference on Communication, Control and Intellegent Systems "CCIS 2015" (IEEE), pp. 117-123, Nov. 7-8, 2015, Mathura, India.
- 46. Shivani Dixit, Priachi Tripathi, M.Shukla, "SC-FDM-IDMA scheme for Underwater Acoustic Communications", in Proc. of International Conference on Communication, Control and Intellegent Systems "CCIS 2015" (IEEE), pp. 222-225, Nov. 7-8, 2015, Mathura,

National Conferences/ Seminars

1. M. Shukla, Sateyendra Pandey, "Qualitative and speedy Development of Hydro-power Projects: Present Status and Future Strategy", in Proc. of National Seminar on Safety and Quality Management of Development of Uttranchal, pp. 138-143, June, 24 2005, Dehradun, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1963518

2. M. Shukla, Vidyakant Dwivedi, "Code Division Multiple Access (CDMA) System in Multipath Environment", in Proc. of National Conference on Communication & Computational Techniques: Current and Future Trends, "NCCT 06" Dehradun, India, pp. 559-560, Nov.10-11 2006, D.I.T., Dehradun, India.

http://www.researchgate.net/publication/200783159_Code_Division_Multiple_Access_(CD MA)_System_in_Multipath_Environment

- 3. M. Shukla, V.K. Srivastava, S. Tiwari, "Adaptive Equalization, A Review", in Proc. of National Conference on Communication & Computational Techniques: Current and Future Trends, "NCCT 06", pp. 431-434, Nov.10-11 2006, D.I.T., Dehradun, India.
- 4. M. Shukla, Aasheesh Shukla, V.K. Srivastava, S. Tiwari, "Interleave Division Multiple Access Scheme: An Overview", in Proc. of 3rd National Conference on Currents Trends in Technology, "NuiCone 08", pp. 350-355. Nov. 27-29/ 2008, Nirma University, Ahmadabad, Gujrat, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955897 https://www.researchgate.net/publication/200783148_Interleave_Division_Multiple_Access_Scheme An Overview

- 5. M. Shukla, Rohit Kumar, Aasheesh Shukla, "CDMA 2000, W-CDMA, and IDMA: An Overview", in Proc. of National Seminar on Recent Advances on Information Technology "RAIT 2009", pp. 45-42, Feb.6-7/ 2009, I.S.M. Dhanbad, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955967
- 6. M. Shukla, Aasheesh Shukla, RohitKumar, V.K. Srivastava, S. Tiwari, "Simple study of two Multiple Access Scheme: W-CDMA and IDMA", in Proc. of IEEE National Conference on Advances in Computer Applications "NCACA-09", pp.276-280, May 13-14 2009, Geetanjali Institute of Technical Studies, Udaipur, Rajasthan, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955929
- 7. M. Shukla, Aakanksha and Srivastava, V. K. and Tiwari, S., "Analysis of Orthogonal Interleavers with Iterative IDMA Scheme", in Proc. of 4TH National Conference on Currents Trends in Technology, Nirma University, pp. 24-28, Nov. 25-27 2009, Ahmadabad, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955889
- 8. "Integration of Cluster based routing and Mobile Service Discovery Protocol for MANETs: A Novel Approach", in Proc. of 4TH National Conference on Currents Trends in Technology, Nirma University, "NUiCONE 09", pp. 18-23, Nov. 25-27/ 2009, Ahmadabad, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955892

9. Archana Singh, M. Shukla, "A Procurement Market Model for Reactive Power in the

Electricity Sector", in Proc. of National Seminar Non Conventional Energy Resources & Its Utilization, pp. 94-102, Feb.27-28 2009, K.N.I.T., Sultanpur, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955886

10. M. Shukla, J.K. Dwivedi, "Hydrogen and Fuel Cells in India- Present Status and Future strategy for Speedy Development", in Proc. of National Seminar Non Conventional Energy Resources & Its Utilization, Feb. 27-28 2009, pp. 103-117, Feb. 27-28/ 2009, K.N.I.T., Sultanpur, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1955888

11. M. Shukla, Aasheesh Shukla, Rohit, Sankalp, "Performance comparison of RI & TBI based system in fading environment using MRC scheme", in Proc. of National Conference on Signal Processing and Real Time Operating System "SPRTOS 2011", H.B.T.I., Kanpur, pp. COMO203-1 to COMO 203-4, March, 26-27 2011.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2041135

12. Manoj Kumar Shukla, Ompal Singh, Binod Soni, "Gain Enhancement of Micro-strip Patch Antenna using Circular Split Ring Resonator", in Proc. of National Seminar on Recent Advances in Communication and Signal Processing, May 2-3 2013, pp. 1-3, Corporate Institute of Science & Technology, Bhopal, India.

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2261622

- 13. Sanjiv Mishra, Prachi Tripathi, M. Shukla, Somendra Shukla, "A Rectangular Patch Antenna for a RFID Tag Designed for Metallic Objects with reduced losses", in Proc. of National Seminar on Recent Advances in Communication and Signal Processing, May 2-3 2013, pp. 17-19, Corporate Institute of Science & Technology, Bhopal, India. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2261625
- 14. Ajay Patel, Shivani Dixit, M. Shukla, "Interleavers and SC-FDMA-IDMA Scheme ", in Proc. of 2nd Conference on Advances in Electrical & Information Communication Technology (AEICT-2015), April 11-12, 2015, pp. 25-31, PSIT Group of Institutions, Kanpur.

Books

Authored text book "Wireless and Mobile Communication" with OXFORD University Press along with Prof. Upena Dalal, S.V.N.I.T., Surat, India.

Authored ebook "Performance Evaluation of IDMA Scheme in Wireless Communication" with GRIN Publishing - GRIN Verlag GmbH, Nymphenburger, Germany, 2014.

Authored book chapter in Intelligent Computing, Networking, and Informatics on "M-ARY PSK Modulation Technique for IDMA Scheme" Published by Springer Berlin Heidelberg, Germany, Volume 243, pp 1179-1186, 2014.

Authored book chapter in Intelligent Computing, Networking, and Informatics on "Underwater Communication with IDMA Scheme" Published by Springer Berlin Heidelberg, Germany, Volume 243, pp 1171-1177, 2014.

Authored book chapter in Power Electronics and Instrumentation Engineering on "A Novel Technique for Indication of Power Frequency Deviations in Electrical Systems" Published by **Springer Berlin Heidelberg, Germany**, Volume 102, pp 80-82, 2010.

Authored book chapter in Distributed Computing and Networking on "Analysis of Optimum Interleaver for Receivers in IDMA Systems" Published by Springer Berlin Heidelberg, Germany, Volume 5408, pp 400-407, 2009.

Co-authored a book on "Computer Workshop", with Nav Bharat Publication, India, 2009.