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Books:

- 1. S.B. Gupta, **Yudhvir Singh**, Manish Goel, "An Approach to Real Time Systems", Ram Publications, India, 2010.
- 2. **Yudhvir Singh**, "Computer Networks", (6-Chapters), DDE, GJUS&T, Hisar, 2006.
- 1. **Yudhvir Singh**, Yogesh Chaba, Rajesh Kumar, Prabha Rani, "Adaptive Local Route Optimization Technique with Multiple MAP Environments in Hierarchical Mobile IPv6 Networks", *International Journal of Wireless Communication*, ISSN 0974-9640, March, 2011 [Impact Factor 0.572].
- 2. KP Singh, Yogesh Chaba, Gaurav Lodha, **Yudhvir Singh**, "Intrusion Detection System for Protection against Packet Dropping Attack on Distributed Information System in any Organization" *International Journal of Networking and Communication Engineering*, ISSN 0974-9616, (2011) [Impact Factor **0.569**]. {Accepted}
- 3. KP Singh, **Yogesh Chaba**, Gaurav Lodha, Yudhvir Singh, "Detection and Prevention of Flooding type Intrusion for any Enterprize Information System", International Journal of Information Technology and Knowledge Management, Volume 4, No. 2, pp. 609-612 (2011) [Impact Factor **0.475**] {Accepted}.
- 4. Yogesh Chaba, **Yudhvir Singh**, Ritu Sharma, "Performance Analysis of Individual Pair-wise Cluster Key Management Scheme for Wireless Sensor Network", *International Journal of Networking and Communication Engineering*, ISSN 0974-9616, March 2011 [Impact Factor 0.569].
- 5. Yogesh Chaba, **Yudhvir Singh**, Amit Kumar, "AODV with Source Route Accumulation for Improved Routing in WiMax" *International Journal of Computer Applications* (2011) [**Impact Factor 0.835**].{Accepted}
- 6. Parveen Kumari, **Yudhvir Singh**, Yogesh Chaba, Prabha Rani, "Coverage Techniques and Algorithms used in Wireless Sensor Network", *In Proc. of National Workshop-Cum-Conference on Recent Trends in Mathematics & Computing (RTMC2011)*, INDIA, pp 436-441 (2011).
- 7. Ritu Sharma, Yogesh Chaba, **Yudhvir Singh,** "An IPC Key Management Scheme for Wireless Sensor Network", *IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC-2010)*, India [Online: IEEE Xplore Digital Library, Digital Object Identifier: 10.1109/PDGC.2010.5679906], pp. 251-255, http://ieeexplore.ieee.org/ (2010).
- 8. Ritu Sharma, Yogesh Chaba, **Yudhvir Singh**, "Analysis of Security Protocols in Wireless Sensor Networks", *Int. Journal of Advanced Networking Applications*, *Eswar Publications*, ISSN: 0975-0290, Vol. 02, Issue 03, pp 707-713, (2010).

- 9. Yogesh Chaba, **Yudhvir Singh**, KP Singh, Prabha Rani, "Performance Analysis of Impact of Multiple Mode Wormhole Attacks on various Routing Protocols in Mobile Ad Hoc Networks" *Communications in Computer and Information Sciences, Springer* [Online: Springer Digital Library] (2010) Volume 101, Part 3, pp 518-527, (2010).
- 10. Yogesh Chaba, **Yudhvir Singh**, Prabha Rani, "Comparison of Various Passive Distributed Denial of Service Attack in Mobile Adhoc Networks" *Proc. WSEAS International Conference on Electronics, Hardware, Wireless and Optical Communication(EHAC 10)*, UK (ISBN: 978-960-474-155-7), pp 49-53 (2010)
- 11. Yogesh Chaba, **Yudhvir Singh**, Manish Joon, "Simulation Based Performance Analysis of On-Demand Routing Protocols in MANET" *Proc. IEEE/IACSIT ICCMS 2010*, *China* [Online: IEEE Xplore Digital Library, Digital Object Identifier: 10.1109/ICCMS.2010.392], pp. 80-83, http://ieeexplore.ieee.org/(2010)
- 12. **Yudhvir Singh**, Yogesh Chaba, Monika, Prabha, "Performance Evaluation of On Demand Multicasting Routing Protocols in Mobile Adhoc Networks" *Proc. IEEE/ACEEE ITC 2010, India* [Online: IEEE Xplore Digital Library, Digital Object Identifier: 10.1109/ITC.2010.102], pp. 298-301, http://ieeexplore.ieee.org/(2010).
- 13. **Yudhvir Singh**, Yogesh Chaba, "Detection and Prevention of Packet Dropping Based Passive DDoS Attack in MANET", *CONIAPS XI*, *International Academy of Physical Science*, Allahabad, India, February 20-22, 2010.(**Young Scientist Award**).
- 14. Parveen Kumai, **Yudhvir Singh**, Yogesh Chaba, Prabha Rani, "Issues In Coverage Of Wireless Sensor Network", *Proc. of National Conference on Emerging Trends In Mobile Technologies & Security*", India, pp 206-208, March 2011.
- 15. Prabha Rani, Yogesh Chaba, **Yudhvir Singh**, "Classifying Distributed Denial of Service Attacks in Mobile Ad-hoc Networks", *Proc. of NC KDNS*", India, pp 352-356, Feb. 2011.
- 16. Parveen Kumai, **Yudhvir Singh**, Yogesh Chaba, Prabha Rani, "Comparative Analysis of Coverage Schemes in Wireless Sensor Networks", *Proc. of National Conference on Knowledge Discovery & Network Security*", India, pp 303-305, Feb 2011.
- 17. Sandeep Punia, **Yudhvir Singh**, Yogesh Chaba, Prabha Rani, "Analyzing Spoofing Attacks in Wireless Sensor Networks", *Proc. of National Conference on Knowledge Discovery & Network Security*", India, pp 87-91,Feb 2011.
- 18. Utpal Shrivastava, **Yudhvir Singh**, Yogesh Chaba, Prabha Rani, "Defense against Node Capture Attack in Wireless Sensor Networks", *Proc. of National Conference on Knowledge Discovery & Network Security*", India, pp 33-38, Feb 2011.

- 19. KP Singh, Yogesh Chaba, **Yudhvir Singh**, "Performance Analysis of Computational Forensic Techniques for efficient Management of Information in any Enterprise", *Startegic Management National and Global Perspective, Excel India Publishers* (ISBN: 978-93-80697-03-1), pp 19-27 (June 2010).
- 20. **Yudhvir Singh**, Ankur Singhal, Promila Singhal, "Information Theory based Cryptanalysis with Cryptool A Survey", *Proc. of International Conference on Emerging Trends in Engineering & Technology (IETET -10)*, India, ISBN: 978-93-80697-22-2, pp. 63-66, (Oct. 2010).
- 21. Amit Kumar, Yogesh Chaba, **Yudhvir Singh**, "An Enhanced Caching Approach for improving the performance of Dynamic Source Routing Protocol in WiMax", *In Proc of NC CCIT-10*, India pp 82-86 (May 2010).
- 22. Rajesh *Kumar*, **Yudhvir Singh**, Amit Kumar, "Handover in WiMax: /Issue and Challenges", In *Proc.* 3rd National Conference on Wireless Communication and *VLSI Design*, Org. by Gwalior Engineering College & IEEE MP Section, March 27-28, 2010.
- 23. Deepika Bhutani, **Yudhvir Singh**, "Wormhole in MANETs: Detection and Prevention", *In AICTE Sponsored National Seminar on Challenges in Software Engineeing Research and Practice, In collaboration with Indian Society of Information Theory & Applications*, March 30-31, 2010.
- 24. Yogesh Chaba, Manish, **Yudhvir Singh**, Anshul, "Analysis of Reactive Routing Protocols for Mobile Ad-Hoc Networks" *International Journal of Advanced Networking Applications*, *Eswar Publications* (ISSN: 0975-0290), Vol. 1, Issue 2, pp. 111-115 (2009)
- 25. Yogesh Chaba, **Yudhvir Singh**, Manish, "Performance Evaluation and Analysis of Cluster Based Routing Protocols in MANETs" *Proc. IEEE/ACEEE ACT 2009*, *India* [Online: IEEE Xplore Digital Library, Digital Object Identifier: 10.1109/ACT.2009.26], pp. 64-66, Available: http://ieeexplore.ieee.org/ (2009)
- 26. Yogesh Chaba, **Yudhvir Singh**, Prabha Rani, Yogita, "Scalability Analysis of Multicast Routing Protocol for MANET" *Journal of Computer Sc. & Information Technology* (ISSN 0973-4872), Vol. 8, No. 1, pp. 30-34 (Jan-June 2009)
- 27. Yogesh Chaba, **Yudhvir Singh**, Preeti, "Performance Analysis of Disable IP Broadcast Technique for Prevention of Flooding-Based DDoS Attack in MANET" *International Journal of Networks, Academy Publisher* (ISSN: 1796-2056) Issue 4, No. 3, pp. 178-183 (May 2009).
- 28. **Yudhvir Singh**, Yogesh Chaba, "Security & Network Performance Evaluation of KK' Cryptographic for Mobile Adhoc Networks" *Proc. IEEE IACC 2009* [Online: IEEE Xplore Digital Library, Digital Object Identifier: 10.1109/IADCC.2009.4809177], pp. 1152-1157 Available: http://ieeexplore.ieee.org/ (2009)
- 29. Yogesh Chaba, **Yudhvir Singh**, Preeti, "Detection of Malicious Packet Dropping Based DDOS Attack in MANET" *Journal of Computer Science* (ISSN: 0973-2926) Vol. 3, Issue 2, pp. 959-964 (Jan-Feb 2009).

- 30. **Yudhvir Singh**, Yogesh Chaba, "Detection and Prevention of Blackhole Attack in Mobile Ad Hoc Network" *Proc. IEEE International Conference on Advance Computing Conference*, India (ISBN: 978-981-08-2465-5), pp. 2668-2672 (March 6-7, 2009).
- 31. Yogesh Chaba, **Yudhvir Singh**, Preeti, Deepak, "Performance analysis of various distributed denial of service based attacks in mobile adhoc networks" *Proc. IEEE International Conference on Advance* Technique *Computing Conference*, India (ISBN: 978-981-08-2465-5), pp.3128–3132 (March 6-7, 2009).
- 32. **Yudhvir Singh**, Yogesh Chaba, Sunil Kumar, "Communication strategies for cooperation between distributed agent based IDS" *Proc. National Conference on Advances in Computer networks and Information Technology(NCACNIT-09)*, India, pp. 738-743 (March 24-25, 2009).
- 33. Sunil Kumar, Yogesh Chaba, Sudesh Kumari, **Yudhvir Singh**, "Security issues in Ubiquitous Computing" *Proc. National Conference on Advances in Computer Networks and Information Technology(NCACNIT-09)*, India, pp. 685-690 (March 24-25, 2009).
- 34. Kamal, Parkash, Sandip Goel, **Yudhvir Singh**, "High Performance Architecture for distributed computing", *Proc. of National Conference on Advances in Computer networks and Information Technology*" on March 24-25, 2009 at GJUS&T, Hisar, pp315-320.
- 35. Talwinder Singh, Anudeep Kaur, **Yudhvir Singh**, "Computers and quality function", *in proceeding of National Conference on Advances in Computer networks and Information Technology*" on March 24-25, 2009 at GJUS&T, Hisar, pp 63-69.
- 36. **Yudhvir Singh**, Yogesh Chaba, "Information Theory Tests based Performance Evaluation of Cryptographic Techniques" *International Journal of IT & Knowledge Management* (ISSN: 0973-4414) Vol. 1, No. 2 pp. 475-483 (July-Dec, 2008).
- 37. Yogesh Chaba, **Yudhvir Singh**, Aarti, "Performance Analysis of Scalability and Mobility on Routing Protocols in MANETs" *International Journal of IT & Knowledge Management* (ISSN: 0973-4414) Vol. 1, No. 2, pp. 327-336 (July-Dec, 2008).
- 38. **Yudhvir Singh**, Yogesh Chaba, "Simulation based attack analysis of Cryptographic Techniques" *International Journal of Advances in Computational Sciences and Technology* (ISSN: 0973-6107), Vol. 1, No. 3, pp. 197-208 (2008).
- 39. Aarti, Yogesh Chaba, **Yudhvir Singh**, "Review of scalability and mobility effect on the TCP performance in MANET" *Proc. National Conference on Emerging Trends in Engg. & Tech.*, India, pp. 339-342 (May 26-27, 2008).
- 40. Preeti, Yogesh Chaba, **Yudhvir Singh**, "Distributed Denial of Service: Taxonomies of attacks and Countermeasures", *Enterprise Information Systems in 21st Century: Opportunities and Challenges* (ISBN: 8184501834), India, pp. 453-461 (2008).

- 41. Preeti, Yogesh Chaba, **Yudhvir Singh**, "Review of Detection and Prevention of DDOS attack in MANET", *Proc. National Conference on Challenges & Opportunities in Information Technology(COIT –2008)*, India, pp. 56-59 (March 29,2008).
- 42. Kuldeep Singh, Yogesh Chaba, **Yudhvir Singh**, "Introduction to IDS and its types with their pros and cons", Proc. of the National Conference on emerging trends in Engg. & Tech.", may 26-27, 2008, pp49-53.
- 43. **Yudhvir Singh**, Yogesh Chaba, Prabha, "Performance Analysis of proposed KK' Cryptographic Technique", *Proc. IEEE National Conference on Application of Intelligent Systems (AIS-2008)* (ISBN: 978-81-906531-0-7), India, pp. 277-286 (March 13-15,2008).
- 44. **Yudhvir Singh**, Yogesh Chaba, Suman, "Interoperability VPN and Firewall Solution to Network Security" *International Journal of Advanced Research in Computer Engineering*, Vol. 1, No. 1-2, pp. 91-101 (Jan-Dec 07)
- 45. **Yudhvir Singh**, Yogesh Chaba, Prabha Rani, "Integrating VPN and IDS An approach to Networks Security", *International Journal of Computer Science & Security*(ISSN: 1985-1533), Vol. 1, Issue 3, pp. 1-13(2007)
- 46. Yogita Sangwan, **Yudhvir Singh**, Yogesh, Chaba, "A Review of Prospectus and Challenges in Mobile Adhoc Networks", *Proc. National Conference on Trends in Computing (NCTC-2007)*, India, pp 432 (May 18-19, 2007)
- 47. Seema Jangra, **Yudhvir Singh**, Yogesh Chaba, "Active Management: An Improvement in cache *performance*", *Proc. National Conference on Trends in Computing (NCTC-2007)*, India, pp. 122-126 (May 18-19, 2007).
- 48. Seema Jangra, **Yudhvir Singh**, "Analysis and Improvement in the cache performance via active management", Proceeding of NCETA-2007, India, pp 181-185.
- 49. **Yudhvir Singh**, Yogesh Chaba, "Review of Security Protocols for Mobile Adhoc Networks", *Journal of Computer Science and Informational Technology* (ISSN 0973-4872), Vol.4, No.1, pp. 5-14 (July-Dec, 2006)
- 50. Yogesh Kumar, **Yudhvir Singh**, "An algorithm for computer supported corporative work", 8th Conference of International Academy of Physical Sciences (CONIAPS-2005) at CCSU Meerut, December 29-31, 2005.
- 51. Jitender Singh, **Yudhvir Singh**; "A Review of Security in Wireless Ad hoc Networks"; International Conf. on Challenges in Networking & Future of e-Commerce, CNFE-05.
- 52. Suman, **Yudhvir Singh**; "Interoperability and Inter-IDS correlation Using Visualization Techniques" Proc. of "National Conference on Information Technology and Its Application" pages B41-45, Deptt. of IT, BVCE, Delhi, sponsored by DST & AICTE, New Delhi.
- 53. Yogesh Kumar, **Yudhvir Singh**, "Performance evaluation of improved decryption method for RSA and analysis of complexity", 1st National Conference

- on recent trends in Electronics & Information Technology (RTIT-2006) at SRESCE Kopargaon, Sponsored by IEEE Bombay section, July 28-29,2006 pp43-47.
- 54. Yogesh Kumar, **Yudhvir Singh**, "Enhanced algorithm based on DES and ECC", 71st Annual Conference of the India Mathematical Society at IIT, Roorkee on December 26-29, 2005.
- 55. Jitender Singh, **Yudhvir Singh**; "Architecture for Security between Adhoc Network & Internet: with Security Analysis"; National Conference on Modern Trends in Information and Communication Technology (NCMTICT-2005).
- 56. Jitender Singh, **Yudhvir Singh**; "Wireless Ad hoc Networks: An Introduction"; National Conference on Modern Trends in Information and Communication Technology (NCMTICT-2005).
- 57. Sandeep Kumar, **Yudhvir Singh**; "A Seamless & Efficient Handover Mechanism For Mobile Networks"; National Conference on Emerging trends in Wireless Technology (NCETWT05), IETE, Chandigarh, at SSIET, Dera Bassi (Punjab) on 16-17 April 2005.
- 58. **Yudhvir Singh**, Prabha Singh, Parvinder Singh Sandhu, "Formalization of Method in Method Engineering", National Seminar on CHCGRII–03, March 14-16, 2003.
- 59. **Yudhvir Singh**, Prabha Singh, Mohinder Pal Garg, "IT Scenarion in India", National Seminar on Changing Horizons of Corporate Governance and Restructuring of Industry in India –2003, March 14-16, 2003.
- 60. **Yudhvir Singh**, Ankur Garg "Internet Security", National Seminar on CHCGRII–03, March 14-16, 2003.
- 61. **Yudhvir Singh**, Parvinder Singh Sandhu, "Quantum Crypto-Analysis", National Seminar on CHCGRII–03, March 14-16, 2003
- 62. **Yudhvir Singh**, Parvinder Singh Sandhu, "Simulating Parallel Quantum Computers", National Seminar on CHCGRII–03, March 14-16, 2003.
- 63. **Yudhvir Singh**, Arun Kumar, "Software Engineering Body of Knowledge (SWE-BOK)", 1st National Infotech Conference, LKC & REC Jalander, March 11-12, 2001.
- 64. Yogesh Chaba, **Yudhvir Singh**, "Proceeding of National Conference on Advances in Computer Networks and Information Technology", GJUS&T, Hisar, March, 2009.
- 65. Dinesh Kumar, Saroj, **Yudhvir Singh**, "Proceeding of National Conference on Role of ICT in Inaccessible Areas", GJUS&T, Hisar, 2010