

References

REFERENCES

- 1) Aapo Hyvärinen and Erkki Oja, "Independent Component Analysis: Algorithms and applications", *Neural Networks Research Centre, Helsinki University of Technology, Neural Networks*, 13(4-5): 411-430,2000.
- 2) Abhay Kumar Rai, Rajiv Ranjan Tewari and Saurabh Kant Upadhyay, "Different Types of Attacks on Integrated MANET-Internet Communication", *International Journal of Computer Science and Security (IJCSS)* Volume (4): Issue (3), pp.265 – 274,2010.
- 3) Adam Weiss "Mouse Movements Biometric Identification: A Feasibility Study" *Proceedings of Student/Faculty Research Day, CSIS, Pace University, May 4th*, pp.2.1-2.8, 2007.
- 4) Ahmed Awad E. Ahmed and Issa Traore, "A New Biometric Technology Based on Mouse Dynamics" *IEEE Transactions on dependable and secure computing*, Vol. 4, No.3, pp.165 – 179, 2007.
- 5) Aiko Pras, Thomas Drevers, Meent van de, Remco and Quartel, Dick,"Comparing the Performance of SNMP and Web services-Based Management" *IEEE Transactions on Network and Service Management*, 1 (2). pp. 72-82, 2004.
- 6) Almotairi.S, Clark.A, Mohay.G and and J. Zimmermann, "Characterization of Attackers' Activities in Honeypot Traffic Using Principal Component Analysis", *International Conference on Network and Parallel Computing, IEEE Computer Society*, pp.147- 154,2008.
- 7) Animesh Patcha and Jung-Min Park, "A Game Theoretic Formulation for Intrusion Detection in Mobile Ad Hoc Networks" *International Journal of Network Security*, Vol.2, No.2, PP.131–137, 2006.

References

- 8) Annie George, "Anomaly Detection based on Machine Learning: Dimensionality Reduction using PCA and Classification using SVM", *International Journal of Computer Applications*, Vol. 47, No. 21, pp. 5-8, 2012.
- 9) Arul Selvan and Dr K Porkumaran, "Two Stage Max Gain Content Defined Chunking for De-duplication" *International Journal of Engineering Research and Development*, Volume 4, Issue 4, pp. 1-6, 2012.
- 10) Bassam Sayed, Issa Traore, Isaac Woungang, and Mohammad S. Obaidat, "Biometric Authentication Using Mouse Gesture Dynamics" *IEEE Systems Journal*, pp. 1 – 13, 2013.
- 11) Bassem Bakhache, Joseph M. Ghazal, and Safwan El Assad, "Improvement of the Security of ZigBee by a New Chaotic Algorithm" *IEEE Systems Journal*, pp. 1-10, 2013.
- 12) Biplab Sikdar and Joe H. Chow, "Defending Synchronphasor Data Networks Against Traffic Analysis Attacks", *IEEE Transactions on Smart Grid*, Vol. 2, No. 4, pp. 819-826, 2011
- 13) Brent Waters, Ari Juels, Alex Halderman and Edward W. Felten "New Client Puzzle Outsourcing Techniques for DoS Resistance" *CCS'04*, ACM, pp. 246-256, 2004.
- 14) Chao Shen, , Zhongmin Cai, Xiaohong Guan, Youtian Du and Roy A. Maxion, "User Authentication through Mouse Dynamics" *IEEE Transactions on Information forensics and security*, Vol. 8, No. 1, pp. 16 – 30, 2013.
- 15) Chee-Wooi Ten, Chen-Ching Liu, and Govindarasu Manimaran, "Vulnerability Assessment of Cybersecurity for SCADA Systems", *IEEE Transactions on Power Systems*, Vol. 23, No. 4, pp 1836 – 1846, 2008.

References

- 16) Chee-Wooi Ten, Manimaran.G and Chen-Ching Liu,“Cybersecurity for Critical Infrastructures Attack and Defense Modeling”, *IEEE Transactions on systems, Man, and Cybernetics—part a: Systems and Humans*, vol. 40, no. 4, pp 853 – 865, 2010.
- 17) Cheng-Jung Tsai, Ting-Yi Chang, Yu-Ju Yang, Meng-Sung Wu and Yu-Chiang Li "An Approach for user authentication on non-keyboard devices using mouse click characteristics and statistical-based classification” *International Journal of Innovative Computing, Information and Control ICIC International* c 2012 ISSN 1349-4198 Volume 8, Number 11,pp.7875 – 7886, 2012.
- 18) Cheung.S, “Modeling multistep cyber attacks for scenario recognition,” in *Proceedings of the Third DARPA Information Survivability Conference and Exposition*, vol. I, pp. 284-292, 2003.
- 19) Chia-Mei Chen and Chuan-Pi Wei, "Efficient Network Monitoring for Large Networks", *Journal of Computers*, Vol.18,No.4,pp.79-83, 2008.
- 20) Chris Szilagy and Philip Koopman, “Flexible Multicast Authentication for Time-Triggered Embedded Control Network Applications” *Proceedings of International conference on dependable systems and networks*, DSN09, pp.1-9, 2009.
- 21) Dan Pei, Beichuan Zhang, Beichuan Zhang and Lixia Zhang “An analysis of convergence delay in path vector routing protocols” *Computer Networks, Elsevier* , pp.1-24, 2005.
- 22) Dayu Yang and Hairong Qi, "A Network Intrusion Detection Method using Independent Component Analysis", *19th International Conference on Pattern Recognition*, pp.1-4, 2008.

References

- 23) Deborah S.Carstens and Linda C.Malone, “Applying Chunking Theory in Organizational Password Guidelines” *Journal of Information, Information Technology, and Organizations Volume 1*, pp.97-113,2006.
- 24) Deepinder Sidhu, “Open Shortest Path First (OSPF) Routing Protocol Simulation”, *SIGCOMM'93*, ACM, pp.53 – 62, 1993.
- 25) Diego Perino,Matteo Varvello and Krishna P. N. Puttaswamy “ICN-RE: Redundancy Elimination for Information-Centric Networking” *Proceedings of ICN'12 ACM*,pp. 91 – 96, 2012.
- 26) Douglas Stebila, Lakshmi Kuppusamy, Jothi Rangasamy, Colin Boyd and Juan Gonzalez Nieto “Stronger difficulty notions for client puzzles and denial-of-service-resistant protocols” *CT-RSA 2011, The Cryptographers' Track at the RSA Conference, LNCS, Springer, Volume 6558*, pp. 284- 301, 2011.
- 27) Eric A.Hansen and Shlomo Zilberstein, “Monitoring and control of anytime algorithms: A dynamic programming approach”, *Elsevier, Artificial Intelligence*, 126,pp.139-157, 2001.
- 28) Frederic Beck, “NetFlow, RMON and Cisco-NAM deployment” Theme *COM — Systems Communicants*, Project MADYNES, August 2007.
- 29) Frederick T.Sheldon and Claire Vishik, “Moving Toward trustworthy Systems: R&D Essentials”, *Published by the IEEE computer society*, pp 31-40,2010.
- 30) Hanumantha Rao.G, Narender.G,Balaji.T and Srilatha.M “Security Providing using Blowfish, RSA and SHA-512 Algorithms” *International Journal of Computer Science And Technology Vol. 3, Issue 3*,pp.no. 1017 – 1019, 2012.

References

- 31) Hasnat.A, Halder.S, Hoque.A, Bhattacharjee And Nasipur.M, “A Fast Fpga Based Architecture For Measuring The Distance Between Two Color Images Using Manhattan Distance Metric”, *International Journal of Electronics and Communication Engineering and Technology(IJECET)*, Vol.4,Issue.3,pp.01-10,2013.
- 32) Harini Jagadeesan and Michael S. Hsiao, “A Novel Approach to Design of User Re-Authentication Systems” *3rd IEEE International Conference on Biometrics: Theory, Applications, and Systems, BTAS '09*, pp.1-6, 2009.
- 33) Huizhong Sun, Yan Zhaung and Chao, H.J, " A Principal Components Analysis-Based Robust DDoS Defense System", IEEE, 2008.
- 34) Imtiaz Ahmad and A. Shoba Das, “Hardware implementation analysis of SHA-256 and SHA-512 algorithms on FPGAs”, *Elsevier Computers and Electrical Engineering*, pp.345–360, 2005.
- 35) Jaeok Park and Mihaela van der Schaar, “The Theory of Intervention Games for Resource Sharing in Wireless Communications” *IEEE Journal on Selected Areas in communications*, Vol. 30, No. 1, pp.165 – 175,2011.
- 36) Jaikumar.J, “A Defense Strategy Against Flooding Attack using Puzzles By Game Theory” *International Journal of Computer Trends and Technology (IJCTT) - volume4,Issue4,2013*.
- 37) Jason Van Dyken and Jose G. Delgado-Frias, “FPGA schemes for minimizing the power-throughput trade-off in executing the Advanced Encryption Standard algorithm” *Elsevier, Journal of Systems Architecture* 56,pp.116–123,2010.

References

- 38) John Rushby, “Systematic Formal Verification for Fault-Tolerant Time-Triggered Algorithms” *IEEE Transactions on software engineering*, Vol.25, No.5, pp.651 – 661,1999.
- 39) Jovicic.B and Simic.D, “Common web application attack types and security using ASP.NET,” *ComSIS*, vol. 3, no. 2, pp. 83-96,2006.
- 40) Jurgen Kaiser, “Design of an Exact Data Deduplication Cluster” *IEEE 28th Symposium on Mass Storage Systems and Technologies (MSST)*, 2012 .
- 41) Ken C.K. Lee, Hong Va Leong and Antonio Si, “Semantic Data Broadcast for a mobile environment based on dynamic and Adaptive Chunking”, *IEEE Transactions on Computers*, Vol.51, No.10, pp.1253-1268, 2002.
- 42) Konrad J. Kulikowski, “Robust codes and robust, fault-tolerant architectures of the Advanced Encryption Standard” *Elsevier Journal of Systems Architecture* 53, 139–149,2007.
- 43) Kulkarni.V.R and Apte.S.S, “Alternate Approach for Implementation of SHA-512 Algorithm using Feed forward Neural Network” *International Journal of Computer Applications* (0975 – 8887) Volume 28– No.5,pp.no.30-31, 2011.
- 44) Kyi Lin Lin Kyaw, “Hybrid Honey-pot System for Network Security” *World Academy of Science, Engineering and Technology* 48, 2008.
- 45) L.J.P. Van der Maaten “An Introduction to Dimensionality Reduction Using Matlab” *MICC, Maastricht University*, The Netherlands, pp: 1-44,2007.
- 46) Lakshmi Kuppusamy et al., “Practical Client Puzzles in the Standard Model” *ASIACCS '12, ACM*, 2012.

References

- 47) Leidenfrost, “Establishing Wireless Time-Triggered Communication using a Firefly Clock Synchronization Approach”, *Proceedings of International workshop on Intelligent solutions in embedded systems (WISES'08)*,pp.227 – 244,2008.
- 48) Liqi Shi and Abraham O. Fapojuwo, “TDMA Scheduling with optimized energy efficiency and minimum delay in clustered wireless sensor networks” *IEEE transactions on mobile computing*, Vol.9, No.7,pp.927 – 940,2010.
- 49) Liu Yingqiu, Li Wei, Li Yunchun, “Network Traffic Classification Using K-means Clustering” *IEEE Second International Multi-symposium on Computer and Computational Sciences*,pp.360 – 365,2007.
- 50) Ma Jianting, “A Deduplication-based Data Archiving System” *2012 International Conference on Image, Vision and Computing*, Vol.50,20,2012.
- 51) Manikandan.K.P, Satyaprasad.R and .Rajasekhararao.K "A Survey on Attacks and Defense Metrics of Routing Mechanisms in Mobile Adhoc Networks", *International Journal of Advanced Computer Science and Applications*, Vol.2,No.3,pp.7-12,2011.
- 52) Marcio Juliato and Catherine Gebotys, “A Quantitative Analysis of a Novel SEU-Resistant SHA-2 and HMAC Architecture for Space Missions Security” *IEEE Transactions on Aerospace and Electronic Systems* Vol.49,No.3, pp.no.1536 – 1554, 2013.
- 53) Mark W. Storer, Kevin Greenan, Darrell D. E. Long and Ethan L. Miller, ”Secure Data Deduplication” *Proceedings of StorageSS'08, ACM*,, 2008.
- 54) Martin Rehak, Michal Pechoucek, Martin Grill, Jan Stiborek and Karel Bartos, “Game Theoretical Adaptation Model for Intrusion Detection System” *Proc. of*

References

- 10th Int. Conf. on Autonomous Agents and Multiagent Systems – Innovative Applications Track (AAMAS 2011)*, pp. 1123-1124, 2011.
- 55) Matthias Strobbe, Verstraete.V.Van Breusegem.E and Coppens,J. “Implementation and evaluation of AntNet, a distributed shortest-path algorithm”, *Advanced Industrial conference on telecommunications,IEEE*, pp.320 – 325, 2005.
- 56) Mehran S. Fallah, “A Puzzle-Based Defense Strategy Against Flooding Attacks Using Game Theory” *IEEE Transactions on dependable and secure computing*, Vol.7,No.1, p.5-19,2010.
- 57) Ming-Han, Wan and Mong-Fong Horng, “An Intelligent Monitoring System for Local Area Network Traffic”, *IEEE Eighth International Conference on Intelligent Systems Design and Applications*, 2008.
- 58) Mishra.B.K and Saini.H, “Cyber attack classification using game theoretic weighted metrics,” *Approach World Applied Sciences Journa (Special issue of computer and IT)*, pp. 206-215, 2009.
- 59) Nan Zheng, “An Efficient User Verification System via Mouse Movements” *CCS’11, ACM,2011*.
- 60) Nong, Yebin Zhang and Connie M.Borrer, “Robustness of the Markov-Chain Model for Cyber-Attack Detection” *IEEE Transactions on Reliability*, Vol.53, No.1, 2004.
- 61) Oliver E.Osuagwu, "Deploying Forensics Science and Technology for resolving national cyber security challenges", *Journal of Mathematics and Technology*, 09/2010.

References

- 62) Padmavathi.G and Shanmugapriya.D, “A Survey of Attacks, Security Mechanisms and Challenges in Wireless Sensor Networks” *International Journal of Computer Science and Information Security*,. 4, No. 1 & 2, pp.1-9, 2009.
- 63) Paul Barford, Jeffery Kline, David Plonka and Amos Ron, "A Signal Analysis of Network Traffic Anomalies", *Proceedings of ACM SIGCOMM Internet Measurement Workshop*, pp.1-12, 2002
- 64) Priyanka Goyal, “A Literature Review of Security Attack in Mobile Ad-hoc Networks” *International Journal of Computer Applications (0975 – 8887)* Volume 9– No.12, pp.11-15, 2010.
- 65) Rai.K, Tewari.R.R, and Upadhyay.S.K, “Different types of attacks on integrated MANET- Internet communications,” *International Journal of Computer Science and Society*, vol. 4, no. 3, pp. 265-274, 2010.
- 66) Raju Neyyan, “Game Theory based Defense Mechanism against Flooding Attack using Puzzle” *Emerging Trends in Computer Science and Information Technology (ETCSIT2012)*, pp.5-10, 2012.
- 67) Ramkumar. K.R, Ravichandran, “SACOM: Secure Ant Colony Optimization for MANETs” *International Journal of Computer and Electrical Engineering*, Vol. 1, No. 2, pp.164-169, 2009.
- 68) Reham Abdellatif Abouhogail, “New multicast authentication protocol for entrusted members using advanced encryption standard” *Elsevier, The Egyptian Journal of Remote Sensing and Space Sciences*, 14, pp.no.121–128, 2011.
- 69) Richard A. Kemmerer, "Cybersecurity", *Proceeding of the 25th International Conference on Software Engineering, (ICSE'03)*, pp 1-11, 2003.

References

- 70) Robert Leidenfrost and Wilfried Elmenreich, “Establishing Wireless Time-Triggered Communication using a Firefly Clock Synchronization Approach” *IEEE Xplore*, 2009
- 71) Ross A.J. Everitt and Peter W. McOwan, “Java-Based Internet Biometric Authentication System” *IEEE Transactions on pattern analysis and analysis and machine intelligence*, Vol. 25, No. 9, pp. 1166 – 1172, 2003.
- 72) Rupali Datti and Bhupendra verma, “Feature Reduction for Intrusion Detection Using Linear Discriminant Analysis”, *International Journal on Computer Science and Engineering*, 02(04), pp.1072-1078,2010.
- 73) Rupert Brooks, Tal Arbel and Doina Precup “Anytime similarity measures for faster alignment” *Computer Vision and Image Understanding*, pp.378–389, Elsevier, 2007, pp.378 – 389, 2008.
- 74) Ryan Glabb, Laurent Imbert, Graham Jullien, Arnaud Tisserand and Nicolas Veyrat-Charvillon., “Multi-mode operator for SHA-2 hash functions”, *Elsevier Journal of Systems Architecture* 53,pp.no.127–138,2007.
- 75) Sandhu.R, "Cyber Security: What You Need to Know" *Institute for Cyber Security (ICS)*, Oct. 2009.
- 76) Seiichi Ozawa, Shaoning Pang and Nikola Kasabov, “Incremental Learning of Chunk Data for Online Pattern Classification Systems” *IEEE Transactions on Neural Networks*, pp.no.1-14,2008.
- 77) Seyyed Ali Emam and Sareh Sadat Emami, “Design and Implementation of a Fast, Combined SHA-512 on FPGA”, *IJCSNS International Journal of Computer Science and Network Security*, Vol.7,No.5, pp.165-168,2007.

References

- 78) Shailendra Singh, , Sanjay Agrawal, Murtaza,A. Rizvi and Ramjeevan Singh Thakur, "Improved Support Vector Machine for Cyber Attack Detection", *Proceedings of the World Congress on Engineering and Computer Science*, Vol.1,2011.
- 79) Shanmugapriya.T C. Magesh Kumar, S. P. Kavya and M. Nandhini "Computational puzzles for repudiation of misbehaving users in anonymizing network", *International Journal of Advances in Engineering & Technology*, Vol. 6, Issue 2, pp. 1032-1036, 2013.
- 80) Shilpa lakhina, Sini Joseph and Bhupendra verma, " Feature Reduction using Principal Component Analysis for Effective Anomaly–Based Intrusion Detection on NSL-KDD",*International Journal of Engineering Science and Technology*, Vol. 2(6), 1790-1799, 2010.
- 81) Simon Heron, "Advanced Encryption Standard (AES)" *Elsevier, Network Security* Volume 2009, Issue 12, Pages 8–12, 2009.
- 82) Tansu Alpcan and Tamer Basar, "A Game Theoretic Analysis of Intrusion Detection in Access Control Systems" *43rd IEEE Conference on Decision and Control*, pp.1568 – 1573, 2004.
- 83) Tianming Yang, Jing Zhang and Wei Sun, "Alternatives for Eliminating Duplicate in Data Storage" *International Conference on Computer, Networks and Communication Engineering (ICCNCE 2013)*, pp.no.565-568,2013.
- 84) Tong Zhang, Fred Damerau and David Johnson, "Text Chunking based on a Generalization of Winnow" *Journal of Machine Learning Research* 2, pp.no.615-637, , 2002.
- 85) Van der Maate, L.J.P., E.O. Postma and H.J. Van den Herik, "Dimensionality Reduction: A Comparative Review", *Preprint submitted to Elsevier,2008*.

References

- 86) Vancha Maheshwar Reddy, "Game Theory based Defense Strategy against Denial of Service Attack using Puzzles" *International Journal of Engineering Research and Applications (IJERA)* ISSN: 2248-9622 Vol. 3, Issue 1, pp.751-757, 2013.
- 87) Venkatachalam, V., S. Selvan, "Performance Comparison of Intrusion Detection System Classifiers using various Features Reduction Techniques", *International Journal of Simulation*, 9(1),pp.30-39.
- 88) Venkatachalam, V., S. Selvan, "Intrusion Detection using an Improved Competitive Learning Lamstar Neural Network", *International Journal of Computer Science and Network Security*, Vol.7, No.2,pp.255-259,2007.
- 89) Wang Jian-Ping and Huang Yong, "The monitoring of the network traffic based on queuing theory", *Proceedings of the 7th International Symposium on Operations Research and Its Applications (ISORA'08)*, pp. 60–65, 2008.
- 90) Wei Wang and Roberto Battiti, "Identifying Intrusions in Computer Networks with Principal Component Analysis", *Proceedings of the First International Conference on Availability, Reliability and Security (ARES'06) IEEE*, 2009.
- 91) Wilfried Elmenreich, "Time-Triggered Smart Transducer Networks", *IEEE Transactions on Industrial Informatics*, Vol.2, No.3, pp.192-199, 2006.
- 92) Xiannuan Liang and Yang Xiao, "Game Theory for Network Security" *IEEE Communications Surveys & Tutorials*, Vol. 15, No. 1, pp.472 – 486,2013.
- 93) Xinmiao Zhang and Keshab K. Parhi "High-Speed VLSI Architectures for the AES Algorithm" *IEEE Transactions on very large scale Integration (VLSI)*, Vol. 12, No.9, pp. 957 – 967,2004.
- 94) Xinmiao Zhang and Keshab K. Parhi, "On the Optimum constructions of Composite Field for the AES Algorithm" *IEEE Transactions on circuits and systems – II Express Briefs*, Vol.53, No.10, pp.1153- 1157,2006.

References

- 95) Yuanjian Xing, Zhenhua Li and Yafei Dai, "PeerDedupe: Insights into the Peer-assisted Sampling Deduplication" *Proceedings of IEEE P2P*, 2010.
- 96) Philipp Becker, "QoS Routing Protocols for Mobile Ad-hoc Networks – A Survey", TU KL Technical Report, August 2007.
- 97) Syed Ali Emam and Sareh Sadat Emami, "Design and Implementation of a Fast, Combined SHA-512 on FPGA", *IJCSNS International Journal of Computer Science and Network Security*, Vol.7 No.5, pp.165-168, 2007.
- 98) National Cyber Leap Year Summit, Co-Chairs Report, 2009.