

References

1. *A fast intrusion detection technique based on machine learning.* **Ahmed H. Fares, Mohamed I. Sharrawy, Hala H. Zayed.** April 11-22, 2010, The Egyptian statistical Society (ESS). the 35th International Conference For statistics, computer Science And Its Applications.
2. *Application of SVM and ANN for intrusion detection.* **Wun-Hwa Chen, Sheng-Hsun Hsu, Hwang-Pin Shen.** Issue 10, October 2005, Computers & Operations Research, Vol. 32, pp. 2617-2634. Applications of Neural Networks, DOI: 10.1016/j.cor.2004. ISSN 0305-0548.
3. **T, Horeis.** Intrusion detection with neural networks combination of self-organizing maps and radial basis function networks for human expert integration. Computational Intelligence Society. *Research report.* [Online] 2003. [Cited: may 2, 2008.]
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.106.191&rep=rep1&type=pdf>.
4. *A hierarchical SOM-based intrusion detection system.* **H. Gunes Kayacik, A. Nur Zincir-Heywood, Malcolm I. Heywood.** Issue 4, June 2007, Engineering Applications of Artificial Intelligence, Vol. 20, pp. 439-451. DOI: 10.1016/j.engappai.20. ISSN 0952-1976.
5. *A hierarchical intrusion detection model based on the PCA neural networks.* **Guisong Liu, Zhang Yi, Shangming Yang.** Issues 7-9, March 2007, Neurocomputing, Vol. 70, pp. 1561-1568. Advances in Computational Intelligence and Learning - 14th European Symposium on Artificial Neural Networks. DOI: 10.1016/j.neucom.2006.10.146. ISSN 0925-2312.
6. *Critical study of neural networks in detecting intrusions.* **Beghdad, Rachid.** Issues 5-6, October 2008, Computers & Security, Vol. 27, pp. Pages 168-175. DOI: 10.1016/j.cose.2008.06.001. ISSN 0167-4048 .
7. *An adaptive genetic-based signature learning system for intrusion detection.* **Kamran Shafi, Hussein A. Abbass.** Issue 10, December 2009, Expert Systems with Applications, Vol. 36, pp. 12036-12043. DOI: 10.1016/j.eswa.2009.03.036. ISSN 0957-4174.
8. The KDD Cup 1999 data set. [Online] [Cited: January 12, 2010.]
<http://kdd.ics.uci.edu/databases/kddcup99/kddcup99.html>.

9. *The 1999 DARPA off-line intrusion detection evaluation.* **Richard Lippmann, Joshua W. Haines, David J. Fried, Jonathan Korba, Kumar Das.** Issue 4, october 2000, Computer Networks, Vol. 34, pp. 579-595. Recent advance in computer network. DOI: 10.1016/S1389-1286(00)00139-0. ISSN 1389-1286.
10. *Next-generation intrusion detection expert system (NIDES): a summary.* **D. Anderson, T. Frivold, A. Valdes.** May1995. SRI-CSL-95-07.
11. **Kendall, Kristopher.** *A Database of Computer Attacks for the Evaluation of Intrusion.* s.l. : MIT, June 1999. Master of Engineering in Electrical Engineering and Computer Science.
12. **M. Wood, M. Erlinger.** Intrusion Detection Message Exchange Requirements. [Online] Internet Security Systems, Inc, March 2007. [Cited: may 1, 2010.] Network Working Group. <http://tools.ietf.org/html/rfc4766>.
13. **Eskin E., Arnold A., Prerau M., Portnoy L., Stolfo S.** *A geometric framework for unsupervised anomaly detection: detecting intrusions in unlabeled data.* In: Barbara, D., Jajodia, S. (Eds.), *Applications of Data Mining in Computer Security*, Kluwer, Dordrecht. 2002. (Chapter 4). ISBN 1-4020-7054-3.
14. **Haykin, Simon.** *Neural Networks: A Comprehensive Foundation.* 2. s.l. : IEEE, 1999. p. 700 pages. ISBN: 0780334949, 9780780334946.
15. *Intrusion detection by machine learning: A review .* **Chih-Fong Tsai, Yu-Feng Hsu, Chia-Ying Lin, Wei-Yang Lin.** Issue 10, December 2009, Expert Systems with Applications, Vol. 36, pp. 11994-12000. DOI: 10.1016/j.eswa.2009.05.029.. ISSN 0957-4174.
16. **Kishan Mehrotra, Chilukuri K. Mohan, Sanjay Ranka.** *Elements of artificial neural networks.* 2. 1997 . p. 344 .
17. The 1998 intrusion detection off-line evaluation plan Information. *Information Systems Technology Group.* [Online] MIT Lincoln Lab. [Cited: January 11, 2010.] <http://www.ll.mit.edu/mission/communications/ist/corpora/ideval/index.html> .
18. **Hettich S., Bay S.D.** The UCI KDD Archive. *The UCI KDD Archive.* [Online] University of California, Department of Information and Computer Science, 1999. [Cited: January 15, 2010.] <http://kdd.ics.uci.edu>.

19. KDD data set task and features categories details. [Online] 1999. [Cited: January 13, 2010.] <http://kdd.ics.uci.edu/databases/kddcup99/task.html>.

20. *Building lightweight intrusion detection system using wrapper-based feature selection mechanisms*. **Yang Li, Jun-Li Wang, Zhi-Hong Tian, Tian-Bo Lu, Chen Young**. Issue 6, September 2009 , Computers & Security, Vol. 28, pp. 466-475. DOI: 10.1016/j.cose.2009.01.001.. ISSN 0167-4048.

21. *Random effects logistic regression model for anomaly detection*. **Min Seok Mok, So Young Sohn, Yong Han Ju**. Issue 10, October 2010, Expert Systems with Applications, Vol. 37, pp. 7162-7166. DOI: 10.1016/j.eswa.2010.04.017.. ISSN 0957-4174.

22. *A new approach to intrusion detection using Artificial Neural Networks and fuzzy clustering* . **Gang Wang, Jinxing Hao, Jian Ma, Lihua Huang**. Issue 9, September 2010, Expert Systems with Applications, Vol. 37, pp. 6225-6232. DOI: 10.1016/j.eswa.2010.02.102. ISSN 0957-4174.

23. *Neural Networks Learning Improvement using the K-Means Clustering Algorithm to Detect Network*. **KM Faraoun, A Boukelif**. 2006, International Journal of Computational Intelligence, Vol. 3(2):1618.