

Bibliografía

- [AND72] Anderson, J. P. (1972). *Computer Security Technology Planning Study Volume II*. Air Force Systems Command, Electronic Systems Division, Massachusetts.
- [AND80] Anderson, J. P. (1980). *Computer Security Threat Monitoring and Surveillance*. Technical report, James P. Anderson Company, Pennsylvania.
- [ALA08] Alarcón Aquino, V., Oropeza Clavel, C. A., Rodríguez Asomoza, J., Starostenko, O., & Rosas Romero, R. (2008). Intrusion Detection and Classification of Attacks in High-Level Network Protocols Using Recurrent Neural Networks. *International Conference on Telecommunications and Networking (TeNe 08) of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering*. Cholula: Springer CISSE.
- [ATH03] Athanasiades, N., Abler, R., Levine, J., Owen, H., & Riley, G. (2003). Intrusion Detection Testing and Benchmarking Methodologies. *First IEEE International Workshop on Information Assurance (IWIA'03)* (pág. 63). Atlanta: IEEE Press.
- [BAI03] Bai, Y., & Kobayashi, H. (2003). Intrusion Detection Systems: Technology and development. *Proceedings of the 17th International Conference on Advanced Information Networking and Applications* (pág. 710). Washington: IEEE Computer Society.
- [BOR07] Borowa, A., Brdys, M. A., & Mazur, K. (2007). Modelling of Wastewater Treatment Plant for Monitoring and Control Purposes by State – Space Wavelet Networks. *International Journal of Computers, Communications & Control. II*, págs. 121-131. CCC Publications.
- [BOT10] Botello, P. M. (2010). *Modelado de un sistema de detección de intrusos*. Universidad de las Américas Puebla, Departamento de Computación, Electrónica y Mecatrónica, Puebla.
- [CAN98] Cannady, J. (1998). Artificial Neural Networks to Misuse Detection. *First International Workshop on the Recent Advances in Intrusion Detection*.
- [CER10] Carnegie Mellon University's Computer Emergency Response Team. (2010). Obtenido de CERT Statistics: <http://www.cert.org/stats/>
- [CIA08] Ciampa, M. (2008). *COMPTIA SECURITY+ 2008 IN DEPTH*. Course Technology PTR.
- [CYB89] Cybenko, G. (1989). Approximation by superpositions of a sigmoidal function. *Mathematics of Control, Signals, and Systems (MCSS)*, 2, págs. 303-314. New York.
- [DEN87] Denning, D. E. (1987). An intrusion-detection model. *IEEE Transactions on Software Engineering. 13*. Piscataway: IEEE Press.
- [FAN09] Fang, D., Chen, X., Tang, Z., & Chen, F. (2009). Anomaly Program Behavior Detection Based on Neural Network. *Fourth International Conference on Innovative Computing, Information and Control* (págs. 1061-1066). Washington: IEEE Computer Society.
- [FAW04] Fawcett, T. (2004). *ROC Graphs: Notes and Practical Considerations for Researchers*. HP Laboratories. Palo Alto: Kluwer Academic Publishers.
- [GOL05] Golovko, V., & Kochurko, P. (2005). Intrusion Recognition Using Neural Networks. *IEEE Workshop on Intelligent Data Acquisition and Advanced Computing Systems:*

- Technology and Applications*, (págs. 108-111). Sofia, Bulgaria.
- [GRA95] Graps, A. (1995). An Introduction to Wavelets. *IEEE Computational Science & Engineering*. 2, págs. 50-61. Los Alamitos: IEEE Computer Society Press.
- [HAG96] Hagan, M. T., B. Demuth, H., & Beale, M. (1996). *Neural Network Design*. China: CITIC Publishing House.
- [HAY98] Haykin, S. (1998). *Neural Networks: A Comprehensive Foundation*. New Jersey: Prentice Hall PTR.
- [HEA90] Heady, R., Lugar, G., Servilla, M., & Maccabe, A. (1990). *The architecture of a network level intrusion detection system*. Technical Report, Albuquerque.
- [KUK08] Kukielka, P., & Kotuslki, Z. (2008). Analysis of different architectures of neural networks for application in Intrusion Detection Systems. *International Multiconference on Computer Science and Information Technology*, (págs. 807-811).
- [LIJ05] Li, J., Guoyi, Z., & Guochang, G. (2005). The research and implementation of intelligent intrusion detection system based on artificial neural network. *The 3rd International Conference on Machine Learning and Cybernetics*, (págs. 3178 - 3182). Shanghai.
- [LIM08] Lima, I. V., Alencar Degaspari, J., & Manguiera Sobral, J. B. (2008). Intrusion Detection Through Artificial Neural Networks. *Network Operations and Management Symposium* (págs. 867 - 870). Salvador, Bahia : IEEE .
- [MAL89] Mallat, S. (1989). A theory for multiresolution signal decomposition: the wavelet representation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. 11, págs. 674 - 693. New York: IEEE.
- [MAN02] Manikopoulos, C., & Papavassiliou, S. (2002). Network intrusion and fault detection: a statistical anomaly approach. *IEEE Communications Magazine*. 40, págs. 76 - 82. New Jersey: IEEE Press.
- [MEJ03] Mejia, E. T. (2003). *Sistema inmunológico para la detección de intrusos a nivel del protocolo HTTP*. Pontificia Universidad Javeriana, Departamento de Ingeniería de Sistemas, Colombia.
- [MIS07] Misiti, M., Misiti, Y., Oppenheim, G., & Poggi, J.-M. (2007). *Wavelets and their Applications*. NewPort Beach, California: Wiley-ISTE.
- [MOR95] Moreira, M., & Fiesler, E. (1995). *Neural Networks with Adaptive Learning Rate and Momentum Terms*. INSTITUT DALLE MOLLE D'INTELLIGENCE ARTIFICIELLE PERCEPTIVE, VALAIS.
- [ORT04] Ortega, U. Z. (2004). *Estado del Arte SISTEMAS DE DETECCIÓN DE INTRUSOS*. Escuela Politécnica Superior Mondragón, Informática, Mondragón.
- [OUS98] Oussar, Y., Rivals, I., Personnaz, L., & Dreyfus, G. (1998). Training Wavelet Networks for Nonlinear Dynamic. *Neurocomputing*, 20, 173-188 .
- [PLA01] Planquart, J. P. (2001). *Application of neural networks to intrusion detection*. SANS Institute, Information Security Reading Room.
- [PLU00] Plummer, E. A. (2000). *Time series forecasting with feed-forward neural networks: guidelines and limitations*. The University of Wyoming, Laramie, Wyoming.
- [RAO94] Rao, S., & Kumthekar, B. (1994). Recurrent Wavelet Networks. *IEEE International Conference on Neural Networks*, (págs. 3143 - 3147). Orlando.
- [RYA02] Ryan, J., Lin, M., & Miiikkulainen, R. (2002). Intrusion detection with neural networks. *Advances in Neural Information Processing Systems*. Cambridge: The MIT Press.
- [SAN05] Sánchez, J. A. (2005). *Intruder detection in communication Networks using neural networks*. Universidad de las Américas Puebla, Electronics Engineering Department, Puebla.
- [SHU08] Shun, J., & Malki, H. (2008). Network Intrusion Detection System Using Neural

- Networks. *Fourth International Conference on Natural Computation*, (págs. 242 - 246). Jinan.
- [SUN09] Sun, J., Yang, H., Tian, J., & Wu, F. (2009). Intrusion detection method based on wavelet neural network. *Second International Workshop on Knowledge Discovery and Data Mining*.
- [SUN05] Sung Jin Yoo, J. B. (2005). Direct Adaptive Control Using Self Recurrent Wavelet Neural Network Via Adaptive Learning Rates for Stable Path Tracking of Mobile Robots. *Proceedings of the 2005 American Control Conference*, (págs. 288 - 293). Portland.
- [TAP04] Tapiador, J. M., García Teodoro, P., & Díaz Verdejo, J. E. (2004). Anomaly detection methods in wired networks: a survey and taxonomy. *Computer Communications* , 27 (16), 1569-1584.
- [THU02] Thuillard, M. (2002). A review of wavelet networks, wavenets, fuzzy wavenets and their applications. *Proceeding Advances in Computational Intelligence and Learning: Methods and Applications*, (págs. 43-60). Deventer.
- [WAL08] Walker, J. S. (2008). *A Primer on Wavelets and Their Scientific Applications*. Eau Claire, Wisconsin, U. S. A.: Chapman & Hall/CRC.
- [WAT08] Watkins, M., & Wallace, K. (2008). *CCNA Security Official Exam Certification Guide*. Indianapolis, Indiana, United States of America: Cisco Press.
- [WEE06] Weeks, M. (2006). *Digital Signal Processing Using MATLAB and Wavelets*. Hingham: Infinity Science Press LLC.
- [WIL89] Williams, R. J., & Zipser, D. (1989). A Learning Algorithm for Continually Running Fully Recurrent Neural Networks. *Neural Computation* , 1 (2), 270-280.
- [XUE04] Xue, J.-S., Sun, J.-Z., & Zhang, X. (2004). Recurrent network in network intrusion detection system. *Proceedings of 2004 International Conference on Machine Learning and Cybernetics*, (págs. 2676 - 2679). Tianjin.
- [YOO05] Yoo, S. J., Park, J. B., & Choi, Y. H. (2005). Stable Predictive Control of Chaotic Systems Using Self-Recurrent Wavelet Neural Network. *International Journal of Control, Automation, and Systems*, 3, págs. 43-55.
- [YUL07] Yu, L., Chen, B., & Xiao, J. (2007). An Integrated System of Intrusion Detection Based on Rough Set and Wavelet Neural Network. *Third International Conference on Natural Computation*.
- [ZHA93] Zhang, Q. (1993). *Wavelet network: The radial structure and an efficient initialization procedure*. Linkoping University, Linkoping .
- [ZHA92] Zhang, Q., & Benveniste, A. (1992). Wavelet Networks. *IEEE Transactions on Neural Networks* , 3, 889 - 898.