**Firewall**

<https://www.researchgate.net/publication/2371491_An_Overview_of_Firewall_Technologies> Firewall Technologies

<https://iopscience.iop.org/article/10.1088/1742-6596/1744/4/042037/pdf> Definition of firewalls, functions of firewalls, Firewall attacks, etc

<https://www.ijsr.net/archive/v5i5/NOV163579.pdf> Firewall types and Methods of control.

**Machine Learning in SDN Network, Threat Detection**

<https://www.hindawi.com/journals/scn/2020/8872923/> ML Based types of Threats and Threat Detections, Intrusion Detection, Malware Detection, DNN based methods, CNN based methods, RNN Based methods

<https://www.hindawi.com/journals/scn/2021/5561816/> Application of intelligent techniques in Cyber-attack detection, Genetic algorithms and other types of Algorithms like Cuckoo, Ant colony, etc. ML based detection techniques like Decision trees, Bayesian networks, ANNs etc. and Approaches like Signature based, Anomaly based etc

<https://www.hindawi.com/journals/wcmc/2021/6623554> Long-Term Short-Term memory models.

<https://www.sciencedirect.com/science/article/pii/S0167404818309799> Machine Learning Cyberattacks and defence strategies.

<https://arxiv.org/pdf/1808.05770.pdf>. Reinforcement Learning

<https://www.sciencedirect.com/science/article/pii/S0141933120307845> Service Attack Improvement in Wireless Sensor Network Based on Machine Learning

<https://ieeexplore.ieee.org/document/8473682> Deep Learning Based Encrypted Network Traffic Classification in SDN Home Gateway

<https://www.researchgate.net/publication/326284088_Real-time_detection_and_mitigation_of_distributed_denial_of_service_DDoS_attacks_in_software_defined_networking_SDN> DDos Attacks and countermeasures

**Software Defined Networking**

“SDN: Software Defined Networks” by Thomas D. Nadeau & Ken Gray; (ISBN: 9781449342302) *{Textbook}*

OpenFlow model and centralized network control, distributed and central control, data plane generation, structure and capabilities of commercial and open-source controllers, network-function virtualization and service chaining, maintaining an SDN network topology, idealized SDN frameworks for controllers, applications, and ecosystems.

<https://cacm.acm.org/magazines/2013/9/167153-software-defined-networking/fulltext> Definition of SDN, Architecture, Northbound APIs, Southbound APIs, OpenFlow, etc

<https://ieeexplore.ieee.org/document/6994333> SDNs, approaches, architecture, hardware infrastructure, southbound and northbound application programming interfaces (APIs), network virtualization layers, network operating systems, SDN controllers etc

[GitHub - nathancatania/ryurest: A Python library to interact with the REST API of the Ryu SDN controller](https://github.com/nathancatania/ryurest) – RYU controller

<https://www.hindawi.com/journals/misy/2016/7172187/> Proxy SDN Controller for wireless networks

[GitHub - PalashIjari/Firewall-using-SDN-and-Machine-Learning: Intelligent Time Based Firewall](https://github.com/PalashIjari/Firewall-using-SDN-and-Machine-Learning) – SDN Firewall

[GitHub - pratiklotia/SDN-Firewall: Layer 4 Firewall for Software Defined Networks](https://github.com/pratiklotia/SDN-Firewall) – SDN Firewall

[GitHub - yehiaArafa/SDN-Firewall: An SDN based firewall implenented on POX controller](https://github.com/yehiaArafa/SDN-Firewall) – SDN Firewall

[GitHub - jms30/SDN\_Firewall: SDN Firewall IDP project](https://github.com/jms30/SDN_Firewall) – SDN firewall

[Guarding the Perimeter of Cloud-Based Enterprise Networks: An Intelligent SDN Firewall | IEEE Conference Publication | IEEE Xplore](https://ieeexplore.ieee.org/document/8622887) – IEEE paper on SDN firewall

[Pyretic Statefull Firewall (awesomeopensource.com)](https://awesomeopensource.com/project/raonadeem/Pyretic-statefull-firewall) – Stateful firewall

<https://www.researchgate.net/publication/328676927_SDFW_SDN-based_Stateful_Distributed_Firewall> SDN based Stateful Distributed Firewalls

**Vulnerabilities in SDN**

<https://www.researchgate.net/publication/311961662_Vulnerability_Analysis_of_Software_Defined_Networking> Vulnerabilities in SDNs

<https://www.researchgate.net/publication/305700087_Analysis_of_Cyber_Attack_Vectors> Attack Vectors in SDN

<https://www.researchgate.net/publication/334553338_A_Review_on_Cyber_Security_and_the_Fifth_Generation_Cyberattacks> Attack vectors, types of attack vectors

**Enterprise Networks**

<https://www.researchgate.net/publication/261914251_Research_Study_on_Enterprise_Systems_Architecture_and_Administration_by_using_the_nSAFE> Enterprise Networks Architecture, management and administration and SDN cloud connectivity.

<https://www.researchgate.net/publication/317101504_Computer_Networking_A_Survey> Types of Networks, Network topologies, etc

<http://www.indianresearchjournals.com/pdf/IJSSIR/2012/November/17.pdf> Types of networks and network Fundamentals.