

APPENDIX

Deep Learning-Based Secure Routing Framework for Blockchain-Enabled Autonomous Military Wireless Sensor Networks

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Abbreviation	Description	Abbreviation	Description
DMSNs	Decentralized Military Sensor Networks	ANNs	Artificial Neural Networks
DT	Decision Tree	ID	Intrusion Detection
GBCRP	GAN-based Blockchain-enabled Secured Routing Protocol	FPR	False Positive Rate
DDoS	Distributed Denial of Service	WSN	Wireless Sensor Network
RMSE	Root Mean Square Error	DV-HOP	Distance Vector–Hop (localization method)
FNR	False Negative Rate	VMRF	Voronoi Modified Red Fox
ANN	Artificial Neural Network	LEACH	Low-Energy Adaptive Clustering Hierarchy
ML	Machine Learning	PDR	Packet Delivery Ratio
FDGAN	Fully Decentralized GAN	PLR	Packet Loss Rate
k-NN	k-Nearest Neighbors	MADRL	Multi-Agent Deep Reinforcement Learning
GAN	Generative Adversarial Network	SVR	Support Vector Regression
LT-ZM-FFNN	Log Transformation – Z-score Normalization – Feed-Forward Neural Network	IoT	Internet of Things
DSR	Dynamic Source Routing	CNN	Convolutional Neural Network
AODV	Ad hoc On-Demand Distance Vector	SIEVC	Secure Improved Energy-efficient Voronoi-based Clustering
QAODV	QoS-enabled Ad hoc On-Demand Distance Vector	Taylor C-SSA	Taylor's Cat Salp Swarm Algorithm
SRABC	Secure Routing Algorithm based on Blockchain	QIEAC-CSSBO	Quantized Indexive Energy-Aware Clustering-based Combinatorial Stochastic Sampled Bat Optimization