

Acronyms

TCP/IP	Transport Control Protocol/Internet Protocol
QOS	Quality Of Service
WANET	Wireless Ad-Hoc Network
OLSR	Optimized Link State Routing
FSR	Fisheye State Routing
AODV	Ad Hoc On-Demand Distance Vector
DSR	Destination Sequence Routing
ZRP	Zone Routing Protocol
ART	Active Route Timeout
TTL	Time To Live
FRA	Fuzzy Reasoning Algorithm
FIS	Fuzzy Inference System
ANFIS	Adaptive Neuro Fuzzy Inference System
ANN	Artificial Neural Network
PES	Processing Elements
Gas	Genetic Algorithms
FPGA	Field Programmable Gate Array
CLB	Configurable Logic Blocks
VHDL	Very High Speed Integrated Circuit Hardware Description Language
MANET	Mobile Ad-Hoc Network
OPNET	Optimized Network Engineering Tool
GADS	Genetic Algorithm For Deriving Software
GUI	Graphical User Interface
PDR	Packet Delivery Ratio
EED	Average End To End Delay
FRA	Fuzzy Reasoning Algorithm
FIS	Fuzzy Inference System
PDA	Portable Device Adaptor
LAN	Local Area Network
VANET	Vehicular Ad Hoc Networks
WSN	Wireless Sensor Networks
WLAN	Home/Office Wireless Networking

PAN	Personal Area Network
API	Application Programming Interfaces
PARSEC	Parallel Discrete-Event Simulation Language
DYMO	Dynamic MANET On-Demand
AST	Angle- Signal Table
UDP	User Defined Packet
FTP	File Transfer Protocol
CBR	Constant Bit Rate
VBR	Variable Bit Rate
RED	Random Early Detection
CBQ	Class Based Queues
MAC	Medium Access Control
OTcl	Object-Oriented Tcl
NAM	Network Animator
ECN	Explicit Congestion Notification
DSDV	Destination Sequenced Distance Vector
TORA	Temporally Ordered Routing Algorithm
WRP	Wireless Routing Protocol
GSR	Global State Routing
DREAM	Distance Routing Effect Algorithm For Mobility
STAR	Source Tree Adaptive Routing
TBRPF	Topology Broadcast Based On Reverse Path Routing
FSLs	Fuzzy Sighted Link-State
MMWN	Multimedia Support In Mobile Wireless Networks
CGSR	Clusterhead Gateway Switch Routing
HSR	Hierarchical Star Routing
LANMAR	Landmark Ad Hoc Routing
HOLSR	Hierarchical Optimized Link-State Routing
LMR	Lightweight Mobile Routing
ABR	Associativity-Based Routing
SSA	Signal Stability-Based Adaptive
RDMAR	Relative Distance Micro-Discovery Ad Hoc Routing
MDSR	Multipath Dynamic Source Routing

AOMDV	Ad-Hoc On demand Modified Distance Vector
CBRP	Cluster Based Routing Protocol
ARC	Adaptive Routing Using Clusters
IETF	Internet Engineering Task Force
ALP	Adaptive Link-State Protocol
DBF	Distributed Bellman Ford
RIP	Routing Internet Protocol
LRR	Least Resistance Routing
GFSR	Grid-Based Fisheye State Routing Protocol
TC	Topology Control
ROAM	Routing On-Demand Acyclic Multipath
ESDSR	Efficient Secure Dynamic Source Routing
RREQ	Routing Request Message
RREP	Routing Reply Message
RERR	Route Error Message
IZR	Independent Zone Routing
IARP	Intrazone Routing Protocol
MLP	Multilayered Perceptrons
EC	Evolutionary Computation
MBF	Membership Function
BPN	Back Propagation Network
LL	Link Lifetime
RRP	Reactive Routing Protocols
PRP	Proactive Routing Protocol
HI	Hello Interval
HN	Hidden Node
NIND	Number Of Individual
PLD	Programmable Logic Device
BP	Backpropagation
GPIO	General Purpose Input Output Port
MOB	Mobility
POW	Transmission Power