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Acronyms

MEMS	Micro Electro Mechanical Systems
HCN	Hybrid Communication Networks
QoS	Quality Of Service
WSN	Wireless Sensor Networks
WANET	Wireless Ad-Hoc Network
LR-WPANs	Low-Rate Wireless Personal Area Networks
MAC	Medium Access Control
ADSL:	Asymmetric Digital Subscriber Line
VDSL	Very-High-Bit-Rate Digital Subscriber Line
LAN	Local Area Network
FDDI	Fibre Distributed Data Interface
CSMA/CD	Carrier Sense, Multiple Access With Collision Detect
Wi-Fi	Wireless Fidelity
LLC	Logical Link Control
RTS	Request To Send
CTS	Clear To Send
ISM	Industrial, Scientific And Medical

AP	Access Point
BSS	Basic Service Set
HCN	Hybrid Communication Network
NS-2	Network Simulator-2
TCP	Transport Control Protocol
GloMoSim	Global Mobile Information System Simulator
QualNet	Quality Networks
TOSSIM	Tinyos Mote Simulator
OMNeT	Objective Module Network Test-Bed In C++
SENSIM	Sensorsimulator
OPNET	Optimised Network Engineering Tools
FSMs	Finite State Machines
ICI	Interface Control Information
PDFs	Probability Density Functions
SNR	Signal To Noise Ratio
GUI	Graphical User Interface
IEEE	Institute Of Electrical And Electronics Engineers
WPAN	Wireless Personal Area Network.
FFD	Full Function Device
RFD	Reduced Function Device
PAN	Personal Area Network
ED	End Device
C	Coordinator
R	Router
PHY	Physical Layer
PPDU	Physical Protocol Data Units
DSSS	Direct Sequence Spread Spectrum
CSMA/CA	Carrier Sense Multiple Access / Contention Avoidance
ETE	End To End Delay
GTS	Guaranteed Time Slot
PMAD	Packet Medium Access Delay
SO	Superframe Order
BO	Beacon Order
SD	Superframe Duration
BI	Beacon Interval
TS	Time Slot duration

QPSK	Quadrature Phase Shift Keying
CAP	Contention Access Period
CFP	Contention Free Period
IFS	Inter Frame Spacing
ANN	Artificial Neural Network
ANFIS	Adaptive Neuro Fuzzy Inference System
SC	Soft Computing
FPGAs	Field Programmable Gate Arrays
PLBs	Programmable Logic Blocks
VHSIC	Very High Speed Integrated Circuit
HDL	Hardware Description Languages
RISC	Reduced Instruction Set Computer
MPR	Mote Processor Radio
MIB	Mote Interface Boards
RSSI	Received Signal Strength Indicator
ISP	In-System Processor
MLP	Multilayer Perceptron