List of Abbreviation

The following abbreviation are used in the thesis:

Acronyms	*Descriptions*
ABR	Associativity-Based Routing
ADV	Advertisement Packet
AODV	Adhoc On-demand Distance Vector Routing
CBR	Constant Bit Rate
CBQ	Class Based Queuing
CEDAR	Core-Extraction Distributed Ad Hoc Routing
COR	Control Overhead Ratio
DLBL	Dynamic Load-aware Based Load-balanced Routing
DSDV	Destination Sequenced Distance Vector routing
DSR	Dynamic Source Routing
HMR	Hybrid Multi-path Routing
HSMPSRP	Hot Standby multi-path source routing protocol
IETF	Internet Engineering Task Force
JMM	Joint Multi-channel and Multi-path control
Kbps	Kilo bytes per second
LET	Link Expiration Time
LFMPR	Loop-Free Multi-Path Routing
MAC	Medium Access Control
MANET	Mobile Adhoc Network
MA-DSR	Multi Agents based Adaptive DSR
MM-DSR	Multi-channel Multi-path Routing Protocol
MPR	Multipoint Relaying

Acronyms	*Descriptions*
MPSR	Multi-path Power Sensitive Routing Protocol
MRDSR	Multi-Probing and Round-Robin mechanisms
MSR	Multi-path Source Routing
NS-2	Network Simulator
OLSR	Optimized Link State Routing
OFDM	Orthogonal Frequency Division Multiplexing
PDA	Personal Digital Assistant
PDF	Packet Delivery Fraction
PPS	Packet Per Second
Qos	Quality of Service
RREP	Route Reply
RREQ	Route Request
RERR	Route Error
SCTP	Stream Control Transmission Protocol
SDR	Success Delivery Rate
SMR	Split Multi-path Routing
TORA	Temporally Ordered Routing Algorithm
UWB	Ultra wideband
WMN	Wireless Mesh Network
WRP	Wireless Routing Protocol
ZRP	Zone Routing Protocol

List of Notations

The following notations are used in the thesis:

Notations	*Descriptions*
avg	Average Queue size
C_z	Critical Zone
dis	Distance of the nodes from routers
Max_p	Maximum Vale of P_b
Min_p	Minimum Vale of P_b
P_a	Accumulated drop probability
P_b	Immediate marking probability
q	Present queue size
q_{time}	Start of the queue idle time
Re	Range
R_z	Radio Zone
Th	Threshold value
W_a	Weighted Parameter $0 < W_a \leq 1$