9 Appendix

9.1 Abbreviations

AODV	Ad hoc On-demand Distance Vector Routing
AODV-UU	AODV implementation from Uppsala University
CAN	Content Addressable Network
DHT	Distributed Hash Table
DNS	Domain Name System
DSR	Dynamic Source Routing
GHT	Geographic Hash Table
GPS	Global Positioning System
GPSR	Greedy Perimeter Stateless Routing
ID	Identifier
IEEE	Institute of Electrical and Electronics Engineers
IETF	The Internet Engineering Task Force
ISPRP	Iterative Successor Pointer Rewiring Protocol
kb	kilo bytes
km²	square kilometers
m/s	meters per second
MADPastry	Mobile Ad hoc Pastry
MANET	mobile ad hoc network
MAPNaS	MADPastry Name Service
ns-2	The Network Simulator, version 2
OLSR	Optimized Link State Routing

P2P	peer-to-peer
RLM	Random Landmarking
RK	Replica Keeper
RREQ	route request packet
SSR	Scalable Source Routing
TC	topology control (message)
UM-OLSR	OLSR implementation from the University of Murcia
URI	Uniform Resource Identifier
VAP	Virtual Access Point
VRR	Virtual Ring Routing
ZP2P	Zone-based Peer-to-Peer
ZRP	Zone Routing Protocol

9.2 MADPastry Parameters and Default Values

Parameter	Default Value
Number of landmark keys	16
Leaf set maintenance interval ("left" and "right" leaf)	60s
Cluster membership check interval	10s
Landmark beacon interval	30s
Leaf set size	16
Number of backup lookups	1
Overlay ID base	16 (hexadecimal)
Digits per overlay ID	8
Link layer feedback	Yes
Packet overhearing enabled	Yes

MY_ROUTE_TIMEOUT (AODV)	100s
ACTIVE_ROUTE_TIMEOUT (AODV)	50s
REV_ROUTE_LIFE (AODV)	10s
Local repair (AODV)	Yes
TTL start – expanding ring (AODV)	3
TTL threshold – expanding ring (AODV)	7
TTL increment – expanding ring (AODV)	2