Index

χ² test, 57, 72, 88, 104

Ad hoc On-Demand Distance Vector
AODV, 22

Akaike Information Criterion
AIC, 16, 42, 87, 99

Artificial Neural network, 108

Autocorrelation Function
ACF, 15, 41, 77, 98

Autoregressive Process
AR, 14

Back Propagation Network
BPN, 109

BonnMotion, 76

Cluster Formation, 33

Cluster Gateway, 33, 89

Cluster Head, 32, 89

Cluster Maintenance, 33

Cluster Member, 89

Clustering, 32, 89

Communication Link, 58

Correlation Coefficient, 114, 136

Delay Prediction, 36

Destination Sequenced Distance Vector
DSDV, 25

Dynamic source routing
DSR, 24

End-to-End Delay, 107

Fuzzy Time Series, 130

Gauss Markov Mobility, 27

Generalised Regression Neural network
GRNN, 109

Hop Count, 74

Hybrid Routing, 22

Index of Agreement, 114, 136

Link Duration, 59

Manhattan Grid Mobility, 28

Mean Absolute Error, 114, 136

Mobile Ad Hoc Network, 1, 19

Mobility, 2

Mobility Models, 26

Nash-Sutcliffe Coefficient, 114, 136

Neighbour, 38

Neighbour Count, 39

Neighbour Density, 39
Index

NS-2, 8
OMNET++, 43

Partial Autocorrelation Coefficient
PACF, 16, 42, 77, 99, 101

Path, 73
Proactive Routing, 22

Radial Basis Function Network
RBF, 109

Radio Communication, 2
Random Direction Mobility, 31
Random Walk Mobility, 26
Random Way Point Mobility
RWP, 29

Reactive Routing, 22
Reference Point Group Mobility
RPGM, 31

Regression, 132
Ripple Effect, 91
Root Mean Squared Error, 114, 136
Routing, 21

Sampling Time, 40

Time Series, 12
Transmission range, 40

Trapezoidal Fuzzy Number, 131
Trapezoidal Fuzzy Number
Addition, 131
Scalar Multiplication, 131

Virtual Backbone, 32

Yule-Walker Equation, 15