

# Appendix B

## Acronyms

<b>AoA</b>	Angle of Arrival.
<b>APK</b>	Amplitude Phase Keying.
<b>AWG</b>	Additive White Gaussian.
<b>AWGN</b>	Additive White Gaussian Noise.
<b>BLUE</b>	Best Linear Unbiased Estimator.
<b>BPSK</b>	Binary Phase Shift Keying.
<b>BQUE</b>	Best Quadratic Unbiased Estimator.
<b>CDMA</b>	Code Division Multiple Access.
<b>CML</b>	Conditional Maximum Likelihood.
<b>CPM</b>	Continuous Phase Modulation.
<b>CRB</b>	Cramér-Rao Bound.
<b>DA</b>	Data Aided.
<b>DD</b>	Decision Directed.
<b>DOA</b>	Direction of Arrival.
<b>EKF</b>	Extended Kalman Filter.
<b>FIM</b>	Fisher Information Matrix.
<b>FIR</b>	Finite Impulse Response.
<b>GML</b>	Gaussian Maximum Likelihood.

<b>GMSK</b>	Gaussian Minimum Shift Keying.
<b>GSM</b>	Global System Mobile.
<b>IIR</b>	Infinite Impulse Response.
<b>ISI</b>	Intersymbol Interference.
<b>LOS</b>	Line-of-Sight.
<b>MAI</b>	Multiple Access Interference.
<b>MCRB</b>	Modified Cramér-Rao Bound.
<b>MIMO</b>	Multiple Input Multiple Output.
<b>ML</b>	Maximum Likelihood.
<b>MMSE</b>	Minimum Mean Squared Error.
<b>MPSK</b>	M-ary Phase Shift Keying.
<b>MSE</b>	Mean Squared Error.
<b>MSK</b>	Minimum Shift Keying.
<b>MUI</b>	Multiuser Interference.
<b>MVU</b>	Minimum Variance Unbiased.
<b>NDA</b>	Non Data Aided.
<b>NLOS</b>	Non Line-of-Sight.
<b>OFDM</b>	Orthogonal Frequency Divison Multiple Access.
<b>PAM</b>	Pulse Amplitude Modulation.
<b>p.d.f.</b>	Probability Density Function.
<b>QAM</b>	Quadrature Amplitude Modulation.
<b>QEKF</b>	Quadratic Extended Kalman Filter.
<b>QPSK</b>	Quaternary Phase Shift Keying.
<b>RX</b>	Receiver.
<b>SCPC</b>	Single Channel per Carrier.
<b>SNR</b>	Signal to Noise Ratio.
<b>TOA</b>	Time of Arrival.

<b>TX</b>	Transmitter.
<b>UKF</b>	Unscented Kalman Filter
<b>ULA</b>	Uniform Linear Array.
<b>UMTS</b>	Universal Mobile Telecommunications System.
<b>WLS</b>	Weighted Least Squares.
<b>ZF</b>	Zero Forcing.