

List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
2-D	Two Dimensional
3-D	Three Dimensional
AoA	Angle of Arrival
AoD	Angle of Departure
AWGN	Additive White Gaussian Noise
BLUE	Best Linear Unbiased Estimator
bpcu	Bit Per Channel Use
BS	Base Station
CBSCM	Correlation Based Stochastic Channel Models
CDF	Cummulative Distribution Function
CoMP	Coordinated Multi-Point
CSIR	Channel State Information at Receiver
DFT	Discrete Fourier Transform
DL	Downlink
EE	Energy Efficiency
EVD	Eigenvalue Decomposition
FDD	Frequency Division Duplex
GBSCM	Geometry Based Stochastic Channel Models
GLRT	Generalized Likelihood Ratio Test
i.i.d.	Independent and Identically Distributed
IBE	Iteration Based Estimation
ILSP	Iterative Least Square Projection
ITU-R	International Telecommunications Union-Radio
KBSCM	Kronecker-based Stochastic Channel Model
LAR	Least Absolute Residual
LLR	Log Likelihood Ratio
LOS	Line-of-sight
LTE	Long Term Evolution
METIS	Mobile and Wireless Communications Enablers for Twenty-twenty Information Society
MF	Match Filtering

<i>Abbreviation</i>	<i>Full form</i>
MIMO	Multiple Input Multiple Output
MMSE	Minimum Mean Square Error
MPC	Multi Path Component
MT	Mobile Terminal
NLOS	Non Line-of-sight
OFDM	Orthogonal Frequency Division Multiplexing
PBE	Pilot Based Estimation
PEACH	Polynomial ExpANSion CHannel
PLL	Phase Lock Loop
QAM	Quadrature Amplitude Modulation
RB	Resource Block
SEP	Symbol Error Probability
SIF	Standard Interference Function
SNR	Signal to Noise Ratio
SVD	Singular Value Decomposition
TDD	Time Division Duplex
UL	Uplink
ULA	Uniform Linear Array
V-BLAST	Vertical Bell Laboratory Layered Space-Time
VCR	Virtual Channel Representation
VR	Visibility Region
WLAN	Wireless Local Area Network
WSMSE	Weighted Sum Mean Square Error
ZF	Zero Forcing