

## LIST OF SYMBOLS/ GLOSSARY

AWGN	Additive White Gaussian Noise
BER	Bit Error Rate
BPSK	Binary Phase-Shift Keying
BS	Base Station
CP	Cyclic Prefix
CR	Code Rate
CRC	Cyclic Redundancy Check
CSI	Channel State Information
DL	Downlink
E <sub>b</sub>	Energy per Bit
FD	Full Duplex
FDD	Frequency Division Duplex
FDM	Frequency Division Multiplexing
FDMA	Frequency Division Multiple Access
FDSC	Full Duplex Single Channel
FEC	Forward Error Correction
FFT	Fast Fourier transform
HD	Half Duplex
i.i.d.	independent and identically-distributed
IAC	interference-aware communications
IDFT	Inverse Discrete Fourier Transform
IF	Interference Free
IFFT	Inverse Fast Fourier Transform
SIMO	Multiple Input Multiple Output
MMSE	minimum mean-squared error
OFDM	Orthogonal Frequency Division Multiplexing
PSK	Phase-Shift Keying
QAM	Quadrature Amplitude Modulation
QoS	Quality of Service
QPSK	Quadrature Phase-Shift Keying
SI	Symbol Information
SIR	signal-to-interference ratio
SISO	Single Input Single Output
SM	Spatial Multiplexing
SNR	Signal-to-Noise Ratio
TD	Transmit Diversity
UE	User Equipment
UL	Uplink
ZF	Zero-Forcing