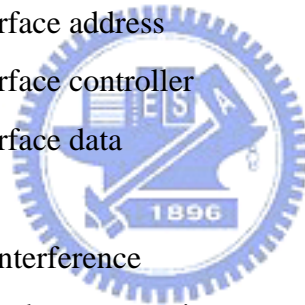


# Acronym Glossary

4G	the fourth generation
ADC	analog to digital converter
AMPS	advanced mobile phone services
ASIC	application specific integrated circuit
AWGN	additive white Gaussian noise D-BLAST
BER	bit error rate
BR	bit reversal
CCS	code composer studio
CDMA	code division multiple access
CLR	correlated low rank
CP	cyclic prefix
CPLD	complex programmable logic device
CPU	central processing unit
DAB	digital audio brocasting
D-AMPS	digital AMPS
D-BLAST	diagonal Bell laboratory layered space-time
DFT	discrete Fourier transform
DMA	direct memory access
DMEMC	data memory controller
DSP	digital signal processor
DVB-T	terrestrial digital video broadcasting
EDA	electronic desing automation
EDIF	electronic design interface format
EDMA	enhanced direct memory access
EMIF	external memory interface



EVM	evaluation module
FFT	fast Fourier transform
FIFO	first in, first out
FIR	finite impulse response
FPCB	field programmable circuit board
FPGA	field programmable gate array
FPIC	field programmable interconnect component
FSM	finite state machine
GSM	global system for mobile communications
G-STBC	group wise STBC
GUI	graphical user interface
HDL	hardware description language
HPI	host port interface
HPIA	host port interface address
HPIC	host port interface controller
HPID	host port interface data
I/O	input/output
ICI	inter-carrier interference
IDE	integrated development environment
IDFT	inverse discrete Fourier transform
IEEE	institute of electrical and electronics engineers
IP	intellectual property
ISI	inter-symbol interference
ISR	interrupt service routine
JTAG	joint test action group
LA	logic analyzer
LP	long preamble
LSB	least significant bit
LUT	look up table
MF	match filter
MFLOPS	mega floating-point operations per second



MIMO	multiple-input multiple-output
MMSE	minimum mean square error
MRC	maximal ratio combining
NMI	non-maskable interrupt
OFDM	orthogonal frequency division multiplexing
OTP	one time programmable
PC	personal computer
PLD	programmable logic device
PMEMC	program memory controller
QAM	quadrature amplitude modulation
QoS	quality of service
QPSK	quaternary phase shift keying
RAM	random access memory
ROM	read-only memory
RRC	root raised cosine
RTL	register transfer level
SBSRAM	synchronous burst SRAM
SDRAM	synchronous DRAM
SNR	signal to noise ratio
SoC	system on a chip
SP	short preamble
SRAM	static random access memory
STBC	space time block code
TTL	transistor-transistor logic
UART	universal asynchronous receiver/transmitter
UHR	uncorrelated high rank
ULR	uncorrelated low rank
USB	universal serial bus
V-BLAST	vertical Bell laboratory layered space-time
VHDL	very high speed integrated circuit hardware description language
VLIW	very long instruction word

WCDMA	wideband CDMA
WLAN	wireless local area network
ZF	zero forcing
ZFIS	zero-forcing interference cancellation

