

# Abbreviations

AES	Advanced Encryption Standard
AWGN	additive white Gaussian noise
BC	broadcast channel
BCC	broadcast channel with confidential messages
BEC	binary erasure channel
BSC	binary symmetric channel
CA	certification authority
DES	Data Encryption Standard
DMC	discrete memoryless channel
DMS	discrete memoryless source
DSRC	Dedicated Short-Range Communication
DSS	direct sequence spreading
DWTC	degraded wiretap channel
EAP	Extensible Authentication Protocol
EPC	Electronic Product Code
ESP	Encapsulating Security Payload
FH	frequency hopping
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communications
IETF	Internet Engineering Task Force
IP	Internet Protocol
LDPC	low-density parity-check
LLC	logical link control
LLR	log-likelihood ratio
LPI	low probability of intercept
LS	least square
LTE	Long Term Evolution
MAC	multiple-access channel
MIMO	multiple-input multiple-output
NFC	near-field communication
NIST	National Institute of Standards and Technology, USA
OSI	open system interconnection
PKI	public key infrastructure
RFID	radio-frequency identification

RSA	Rivest–Shamir–Adleman
SIM	subscriber identity module
SSL	Secure Socket Layer
TCP	Transmission Control Protocol
TDD	time-division duplex
TLS	transport layer security
TWWTC	two-way wiretap channel
UMTS	Universal Mobile Telecommunication System
WTC	Wiretap channel
XOR	exclusive OR