

## LIST OF ABBREVIATIONS

SNR	SIGNAL TO NOISE RATIO
CRS	COMMUNITY RADIO SERVICE
CDMA	CARRIER DIVISION MULTIPLE ACCESS
NCDEX	NATIONAL COMMODITIES EXCHANGE
PCO	PUBLIC CALL OFFICE
ZCR	ZERO CROSSING RATE
STE	SHORT TERM ENERGY
FO	FUNDAMENTAL FREQUENCY
LPC	LINEAR PREDICTIVE CODING
MFCC	MEL FREQUENCY CEPSTRAL COEFFICIENT
DTW	DYNAMIC TIME WRAPPING
HMM	HIDDEN MARKOV MODEL
PHP	PREPROCESSOR HYPER TEXT
AGI	ACTIVE GATEWAY INTERFACE
HTK	HMM TOOL KIT
WER	WORD ERROR RATE
VAD	VOICE ACTIVITY DETECTION
SDS	SPOKEN DIALOGUE SYSTEM
NLU	NATURAL LANGUAGE UNDERSTANDING
NLG	NATURAL LANGUAGE GENERATION COMPONENT
TTS	TEXT-TO-SPEECH SYNTHESIS COMPONENT
DM	DIALOGUE MANAGER
IM	INTERPRETATION MANAGER
PCM	PULSE CODE MODULATION
HTML	HYPertext MARKUP LANGUAGE
WBD	WORD BOUNDARY DETECTION
BCC	BOUNDARY CONFIDENCE COEFFICIENT
STE	SHORT TERM ENERGY
AMDF	AVERAGE MAGNITUDE DIFFERENCE FUNCTION
ACF	AUTO CORRELATION FUNCTION

DBN	DYNAMIC BAYESIAN NETWORK
SLM	STATISTICAL LANGUAGE MODELS
ANN	ARTIFICIAL NEURAL NETWORK
MLP	MULTILAYER PERCEPTRON
PCA	PRINCIPLE COMPONENT ANALYSIS
LDA	LINEAR DISCRIMINATE ANALYSIS
ICA	INDEPENDENT COMPONENT ANALYSIS
FFT	FAST FOURIER TRANSFORMS
DFT	DISCRETE FOURIER TRANSFORMS
IDCT	INVERSE DISCRETE COSINE TRANSFORM
VTLN	VOCAL TRACT LENGTH NORMALIZATION
MLLR	MAXIMUM LIKELIHOOD LINEAR REGRESSION
HLDA	HETEROSCEDASTIC LINEAR DISCRIMINATE ANALYSIS
MLLT	MAXIMUM LIKELIHOOD LINEAR TRANSFORM
MCE	MINIMUM CLASSIFICATION ERROR
MMI	MAXIMUM MUTUAL INFORMATION
MPE	MINIMUM PHONE ERROR
FST	FINITE STATE TRANSDUCER
VOIP	VOICE OVER INTERNET PROTOCOL
SIP	SESSION INITIAL PROTOCOL
PSTN	THE PUBLIC SWITCHED TELEPHONE NETWORK
PCI	PERIPHERAL COMPONENT INTERCONNECT
SI	SPEAKER INDEPENDENT
SD	SPEAKER DEPENDENT
PDA	PERSONAL DIGITAL ASSISTANT
GPRS	GENERAL PACKET RADIO SERVICES
DTMF	DUEL TONE MULTIPLE FREQUENCY
ASR	AUTOMATIC SPEECH RECOGNITION
IVR	INTERACTIVE VOICE RESPONSE
SMS	SHORT MESSAGE SERVICE