

## ABBREVIATIONS

AHVQ	Adaptive Hierarchical VQ
ANN	Artificial Neural Networks
A-VQ	Address VQ
bpp	Bits per Pixel
BSMI	Boundary Smoothness Mismatch Index
BTSOFM	Binary-Tree-Structured SOFM
BVQ	Binary VQ
CDF	Cumulative Distribution Function
CL	Competitive Learning
CMY	Cyan Magenta and Yellow
CMYK	Cyan Magenta ,Yellow and Black
CQ	Correlation Quality
CTscan	Computerised Tomogrphic Scan
CVQ	Classified VQ
DCT	Discrete Cosine Transform
DFT	Discrete Fourier Transform
DPCM	Differential pulse Code Modulation
FSCL	Frequency Selective Competitive Learning
FSVQ	Finite State VQ
HLS	Hue Lightness and Saturation
HSI	Hue Saturation and Intensity
HSV	Hue Saturation and Value
IF	Image Fidelity
ITVQ	Interframe Transform Vector Quantization
JPEG	Joint Photographic Experts Group
LBG	Linde Buzo Gray
LMS	Least Mean Square
LMSE	Laplacian Mean Square Error
LVQ	Learning Vector Quantization
LZW	Limpel Ziv Welch
MOS	Mean Opinion Score
MRI	Magnetic resonance Imaging

MSE	Mean Square Error
MSSIM	Mean Structural similarity Index
MSVQ	Mean Shape VQ
NAE	Normalized Absolute Error
NK	Normalized Correlation Coefficient
PCA	Principal Component Analysis
PMSE	Peak Mean Square Error
PSNR	Peak Signal to noise ratio
PVQ	Predictive VQ
RGB	Red Green and Blue
RLE	Run Length Coding
SC	Structural Content
SNR	Signal to Noise Ratio
SOFM	Self Organizing Feature Maps
SPIHT	Set Partitioning in Hierarchical Trees
SQ	Scalar Quantization
SSE	Sum Squared Errors
TCVQ	Transform Classified VQ
TSVQ	Tree Structured VQ
UQI	Universal Quality Index
VLSI	Very Large Scale Integration
VLVQ	Voronoi Lattice VQ
VQ	Vector Quantizer
WMSE	Weighted Mean Square Error