

## ABBREVIATIONS

AAM	Active Appearance Model
AHE	Adaptive Histogram Equalization
AMBE	Absolute Mean Brightness Error
ART	Angular Radial Transform
ASM	Active Shape Models
BHEPL	Bi-Histogram Equalization Plateau Limit
CED	Coherence Enhancing Diffusion
CISST	Conference on Imaging Science, System and Technology
CLAHE	Contrast-Limited Adaptive Histogram Equalization
CP	Central Projections
DHE	Dynamic Histogram Equalization
DoG	Difference of Gaussian
DWT	Discrete Wavelet Transform
EED	Edge Enhancing Diffusion
FFT	Fast Fourier Transform
FIR	Finite Impulse Response
FOM	Figure of Merit
FSM	Fused Similarity Measure
GHE	Global Histogram Equalization
GLG	Gray Level Grouping
GLIH	Gray Level Information Histogram
HDCS	Hybrid Diffusion Filter with Continuous Switch
HE	Histogram Equalization
HMF	Histogram Modification Framework
HMT	Hit-or-Miss Transform
ICMV	International Conference of Machine Vision
ICSIP	International Conference on Signal and Image Processing
IIR	Infinite Impulse Response

ISSPIT	International Symposium on Signal Processing and Information Technology
KV	Kilovolts
LAF	Lines and Angular Features
LC	Low Computation
ME	Mean Location Error
MICCAI	Medical Image Computing and Assisted Intervention
MSSIM	Mean Structural Similarity Index Measure
NCC	Normalized Cross Correlation
NFS	Neuro-Fuzzy System
NP	Normal Profile
OFMM	Orthogonal Fourier-Mellin Moments
ORIM	Orthogonal Rotation Invariant Moments
PCET	Polar Complex Exponential Transforms
PCNN	Pulse Coupled Neural Network
PCT	Polar Cosine Transforms
PDE	Partial Differential Equations
PHT	Polar Harmonic Transform
PPED	Projected Principal-Edge Distribution
PSNR	Peak Signal to Noise Ratio
PST	Polar Sine Transforms
TDCF	Transform Domain Collaborative Filtering
THE	Traditional Histogram Equalization
ZM	Zernike Moments
PZM	Pseudo-Zernike Moments
RP	Ring Projections
SD	Standard Deviation
SNR	Signal to Noise Ratio
SSD	Sum of Squared Difference
SVM	Support Vector Machines

SWT	Stationary Wavelet Transform
USAN	Univalued Segment Assimilating Nucleus
VST	Variance Stabilizing Transformation
WTHE	Weighted Thresholded Histogram Equalization