

LIST OF ABBREVIATIONS

FAR	False Acceptance Rate
FRR	False Rejection Rate
GAR	Genuine Acceptance Rate
ERR	Equal Error Rate
CNN	Convolutional Neural Network
CBIR	Content Based Image Retrieval
KH	Krill Herd Optimization Algorithm
FIR	Finite Impulse Response
BW	Black and White
QG-MSVM	Q-Gaussian multi support vector machine
GMRF	Gaussian Markov Random Field
ICE	Challenge Evaluation
CHT	Circular Hough Transform
LBP	Local Binary Pattern
EGBU	Excellent, the Good, the Bad, and the Ugly
ID	Identification method
GPGPU	General purpose Graphics Processing Units
NIR	Near Infrared Spectrum
IUWT	Undecimated Wavelet Transform
RANSAC	Random Sampling Consensus
STRADS	Sclera Template Rotation Alignment and Distance Scaling
KFDA	Kernel Fisher Discriminant Analysis
SURF	Speeded Up Robust Features
SVMs	Support Vector Machines
D-LDP	Dense Local Directional Pattern
EER	Equal Error Rate
SSRBC	Sclera Segmentation and Eye Recognition Benchmarking Competition
CDM	Colour Distance Map
HOG	Histogram of Oriented Gradients
RF	Random Forest

IFT	Image Foresting Transform
CLAHE	Contrast Limited Adaptive Histogram Equalization
BPDHE	Brightness Preserving Dynamic Fuzzy Histogram Equalization
IISLT	Interfusion of Iris and Sclera surface using Laplace Transform
LMS	Least Mean Square
VIS	Visible Spectrum
CNN-CM	CNN with Connection Matrix
CNN-RC	CNN with Re-running Clustering
RNN	Recurrent Neural Networks,
ANFIS	Adaptive Neuro Fuzzy Inference System
K-NN	K-Nearest Neighbours
EMD	Earth Mover's distance
ReLU	Rectified Linear Unit
BN	Normalization
PPV	Positive Predictive Value
NPV	Negative Predictive Value
MCC	Matthews's correlation coefficient
MMU	Multimedia University
UBIRIS	University of Beira Iris
MICHE	Mobile Iris Challenge Evaluation