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Exploring images with deep learning for classification, retrieval and synthesis

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List of Abbreviations

Abb.	Full Name
AP	Average Precision
BN	Batch Normalization
BoW	Bag of Words
CBIR	Content-based Image Retrieval
CBP	Compact Bilinear Pooling
CCA	Canonical Correlation Analysis
CFN	Convolutional Fusion Networks
cGAN	Conditional Generative Adversarial Networks
CNN	Convolutional Neural Networks
DSN	Deeply Supervised Networks
FC	Fully-connected Layer
FCFN	Fully Convolutional Fusion Networks
FCN	Fully Convolutional Networks
FFT	Fast Fourier Transformation
FV	Fisher Vector
GAN	Generative Adversarial Networks
GAP	Global Average Pooling
HGLMM	Hybrid Gaussian-Laplacian Mixture Model
I2I	Image-to-Image Translation
I2T	Image-to-Text Translation
IoU	Intersection over Union
IS	Inception Score

9. LIST OF ABBREVIATIONS

Abb.	Full Name
LC	Locally-connected Layer
LSGAN	Least Square Generative Adversarial Networks
LSTM	Long Short-Term Memory
MA	Multiple Assignment
mAP	Mean Average Precision
MC-Net	Multi-modal Classification Network
MDS	Multi-Dimensional Scaling
MM-Net	Multi-modal Matching Network
MMC-Net	Multi-modal Matching and Classification Network
NMS	Non-maximal Suppression
ODS	Fixed Contour Threshold
OIS	Per-image Best Threshold
PCA	Principal Component Analysis
RDS	Relaxed Deep Supervision
ReLU	Rectified Linear Units
RNN	Recurrent Neural Networks
RRF	Recurrent Residual Fusion
SGD	Stochastic Gradient Descent
SIFT	Scale Invariant Feature Transform
SVM	Support Vector Machine
T2I	Text-to-Image Translation
TF	Term Frequency
TPS	Thin Plate Spline
t-SNE	t-Distributed Stochastic Neighbor Embedding
VLAD	Vector of Aggregate Locally Descriptor
