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List of Abbreviations

1-D	One-dimensional
2-D	Two-dimensional
3-D	Three-dimensional
ANN	Artificial Neural Network
ASM	Active Shape Models
CAD	Computer-Aided Design
CT	Computed Tomography
DWT	Discrete Wavelet Transform
EM	Expectation-maximization
FCM	Fuzzy <i>c</i> -Means
MDM	Magnetic Dipole Moment
mm	millimeter
mm ³	millimeter cube
MOD	Magneto-Optical Disk
MR	Magnetic Resonance
MRF	Markov Random Field
MRI	Magnetic Resonance Imaging
NMR	Nuclear Magnetic Resonance
NN	Neural Network
PDE	Partial Differential Equations
PET	Positron Emission Tomography
RF	Radio Frequency

RGB	Red, Green and Blue
ROI	Region Of Interest
SOM	Self-Organizing Map
SPECT	Single Photon Emission Computed Tomography
T	Tesla
TE	Time to Echo
TR	Time to Repeat
WT	Wavelet Transform

**FACULTY OF COMPUTER SCIENCE AND INFORMATION
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