

EDICS for the IEEE Transactions on Image Processing

MOD IMAGE AND VIDEO MODELING

MOD-PERC Perceptual/human visual system
MOD-SRCE Source modeling
MOD-MRPH Binary and morphological image modeling
MOD-NOIS Noise modeling
MOD-FUSN Data fusion
MOD-OTHR Other

FLT IMAGE AND VIDEO FILTERING

FLT-LFLT Linear filtering
FLT-MRPH Rank and morphological filtering techniques
FLT-PDEQ Partial differential equations
FLT-OTHR Other

MRP IMAGE AND VIDEO MULTIREOLUTION PROCESSING

MRP-WAVL Wavelets
MRP-FBNK Filter banks
MRP-SCSP Scale-space
MRP-OTHR Other

SEG IMAGE AND VIDEO SEGMENTATION

SEG-EDGC Edge or color segmentation
SEG-TEXT Texture segmentation
SEG-ACLS Active-contour and level-set-based methods
SEG-MRPH Morphological-based methods
SEG-CLST Clustering-based methods
SEG-MDFT Model-fitting-based methods
SEG-STAT Statistical methods
SEG-VDOB Video object segmentation and tracking
SEG-VDSH Video shot/scene segmentation
SEG-OTHR Other

RST IMAGE AND VIDEO RESTORATION AND ENHANCEMENT

RST-CNTR Contrast enhancement
RST-DBLR Deblurring
RST-DNOI Denoising
RST-CMPR Compression artifacts removal
RST-MLFR Multiframe image restoration
RST-OTHR Other

COD IMAGE AND VIDEO CODING

COD-LSYI Lossy image coding
COD-LSSI Lossless image coding
COD-STNI Image compression standards
COD-DCTV DCT-based video coding
COD-WAVV Wavelet-based video coding
COD-MODV Model-based video coding
COD-OBJV Object-based video coding
COD-SCAL Scalability
COD-TRNS Transcoding
COD-STNV Video compression standards
COD-DSSC Distributed Source Coding
COD-OTHR Other

SRE IMAGE AND VIDEO STORAGE AND RETRIEVAL

SRE-LOWR Low-level indexing and retrieval of images
SRE-SEMR Semantic indexing and retrieval of images
SRE-FDBR Relevance feedback and interactive retrieval
SRE-BRWS Browsing and navigation
SRE-PRSV Video parsing/shot detection
SRE-EXTR Video features extraction for retrieval
SRE-CONT Content summarization and editing
SRE-EVNT Video event detection
SRE-MLRN Machine learning for image and video classification
SRE-OTHR Other

SDP IMAGE SCANNING, DISPLAY AND PRINTING

SDP-SCAN Scanning and Sampling
SDP-QUAN Quantization and Halftoning
SDP-COLR Color Reproduction
SDP-IREP Image Representation and Rendering
SDP-DISP Display and Printing Systems
SDP-QUAL Image Quality Assessment
SDP-OTHR Other

COL COLOR AND MULTISPECTRAL PROCESSING

COL-COLR Color processing
COL-MULT Multispectral processing
COL-HYPR Hyperspectral processing
COL-OTHR Other

ISR INTERPOLATION AND SUPER-RESOLUTION

ISR-INTR Interpolation
ISR-SUPR Super-resolution
ISR-MOSC Mosaicing
ISR-RGST Registration/alignment
ISR-OTHR Other

MDE MOTION DETECTION AND ESTIMATION

MDE-BLCK Block matching
MDE-OPFL Optical flow
MDE-TRNS Transform based approaches
MDE-PARA Parametric models for motion estimation
MDE-CHNG Change detection
MDE-OTHR Other

STE STEREOSCOPIC AND 3-D PROCESSING

STE-STIP Stereo image processing
STE-3DMD 3-D modeling and synthesis
STE-CAMR Camera calibration
STE-STCD Stereoscopic and 3-D Coding
STE-OTHR Other

COM IMAGE AND VIDEO COMMUNICATIONS

COM-SOUR Source/channel coding
COM-NETW Networking
COM-ERRO Error resilience/concealment
COM-STRM Video streaming
COM-CONT Content adaptation
COM-OTHR Other

BMI BIOMEDICAL IMAGING

BMI-SUPR Super-acoustic imaging
BMI-TOMO Tomography
BMI-NUXR Radionuclide and x-ray imaging
BMI-MRIM Magnetic resonance imaging
BMI-SEGM Biomedical image segmentation and quantitative analysis
BMI-COMP Computer assisted screening and diagnosis
BMI-VISU Visualization of biomedical data
BMI-CMPR Biomedical image compression
BMI-REGS Biomedical image registration and fusion
BMI-MOLC Molecular and cellular bioimaging
BMI-OTHR Other

GEO GEOSCIENCES AND REMOTE SENSING

GEO-SENS Remote Sensing Imaging
GEO-RADR Radar imaging
GEO-ACOU Acoustic imaging
GEO-RADI Radio astronomy and speckle imaging
GEO-INFR Infrared imaging
GEO-MULT Multispectral/hyperspectral imaging
GEO-GEOS Geophysical and seismic imaging
GEO-OTHR Other

HDW IMPLEMENTATION OF IMAGE AND VIDEO PROCESSING SYSTEMS

HDW-DSGN Hardware and software co-design
HDW-EMBD Embedded and real-time systems
HDW-PARL Paralleled and distributed systems
HDW-OTHR Other

OTH OTHER AREAS AND APPLICATIONS

OTH-OPTI Optical imaging
OTH-SYNT Synthetic-natural hybrid image systems
OTH-DOCU Document image processing and analysis
OTH-DSTR Distributed image processing
OTH-SURV Video surveillance
OTH-RCGN Object recognition
OTH-MAPP Multimedia applications
OTH-OTHR Other

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