Regular Papers
Audio, Image, Video Processing, Coding and Compression

A Generalized Coding Artifacts and Noise Removal Algorithm for Digitally Compressed Video Signals p. 1
Efficient Mode Selection with BMA Based Pre-processing Algorithms for H.264/AVC Fast Intra Mode Decision p. 10
Perceptual Motivated Coding Strategy for Quality Consistency p. 21
Compressed-Domain Shot Boundary Detection for H.264/AVC Using Intra Partitioning Maps p. 29
Adaptive Orthogonal Transform for Motion Compensation Residual in Video Compression p. 40
Parallel Deblocking Filter for H.264/AVC on the TILERA Many-Core Systems p. 51
Image Distortion Estimation by Hash Comparison p. 62
Media Content Browsing and Retrieval
Sewing Photos: Smooth Transition between Photos p. 73
Employing Aesthetic Principles for Automatic Photo Book Layout p. 84
Video Event Retrieval from a Small Number of Examples Using Rough Set Theory p. 96
Community Discovery from Movie and Its Application to Poster Generation p. 107
A BOVW Based Query Generative Model p. 118
Video Sequence Identification in TV Broadcasts p. 129
Content-Based Multimedia Retrieval in the Presence of Unknown User Preferences p. 140
Multi-Camera, Multi-View, and 3D Systems
People Localization in a Camera Network Combining Background Subtraction and Scene-Aware Human Detection p. 151
A Novel Depth-Image Based View Synthesis Scheme for Multiview and 3DTV p. 161
Egocentric View Transition for Video Monitoring in a Distributed Camera Network p. 171
A Multiple Camera System with Real-Time Volume Reconstruction for Articulated Skeleton Pose Tracking p. 182
A New Two-Omni-Camera System with a Console Table for Versatile 3D Vision Applications and Its Automatic Adaptation to Imprecise Camera Setups p. 193
3D Face Recognition Based on Local Shape Patterns and Sparse Representation Classifier p. 206
An Effective Approach to Pose Invariant 3D Face Recognition p. 217
Multimedia Indexing and Mining
Score Following and Retrieval Based on Chroma and Octave Representation p. 229
Incremental Multiple Classifier Active Learning for Concept Indexing in Images and Videos p. 240
A Semantic Higher-Level Visual Representation for Object Recognition p. 251
Mining Travel Patterns from GPS-Tagged Photos p. 262
Augmenting Image Processing with Social Tag Mining for Landmark Recognition p. 273
News Shot Cloud: Ranking TV News Shots by Cross TV-Channel Filtering for Efficient Browsing of Large-Scale News Video Archives p. 284
Multimedia Content Analysis (I)
Speaker Change Detection Using Variable Segments for Video Indexing p. 296
Correlated PLSA for Image Clustering p. 307