2012 IEEE International Conference on Multimedia and Expo

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- Group Recommendation Using External Followee for Social TV  
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- Multimodal Location Estimation of Consumer Media: Dealing with Sparse Training Data  
  Jaeyoung Choi, Gerald Friedland, Venkatesan Ekambaram, and Kannan Ramchandran

- Empowering Cross-Domain Internet Media with Real-Time Topic Learning from Social Streams  
  Suman D. Roy, Tao Mei, Wenjun Zeng, and Shipeng Li

- Media Lifecycle and Content Analysis in Social Media Communities  
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  Jingning Han, Vinay Melkote, and Kenneth Rose

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  Hadi Hadizadeh, Ivan V. Bajic, and Gene Cheung

- Impact of Region-of-Interest Video Coding on Perceived Quality in Mobile Video
  Ivan Himawan, Wei Song, and Dian Tjondronegoro

- Source Distortion Temporal Propagation Model for Motion Compensated Video Coding Optimization
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  Siyuan Fang and Neill Campbell

- Multi-hypothesis Projection-Based Shift Estimation for Sweeping Panorama Reconstruction
  Tuan Q. Pham and Philip Cox

- Scene Segmentation and Pedestrian Classification from 3-D Range and Intensity Images
  Xue Wei, Son Lam Phung, and Abdesselam Bouzerdoum

- Depth-Based Disocclusion Filling for Virtual View Synthesis
  Ilkoo Ahn and Changick Kim

- Virtual View Reconstruction Using Temporal Information
  Shujie Liu, Philip A. Chou, Cha Zhang, Zhengyou Zhang, and Chang Wen Chen
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- Regression Based Pose Estimation with Automatic Occlusion Detection and Rectification
  Ibrahim Radwan, Abhinav Dhall, Jyoti Joshi, and Roland Goecke

- 2D Face Alignment and Pose Estimation Based on 3D Facial Models
  Shen-Chi Chen, Chia-Hsiang Wu, Shih-Yao Lin, and Yi-Ping Hung

- Efficient Tag Mining via Mixture Modeling for Real-Time Search-Based Image Annotation
  Lican Dai, Xin-Jing Wang, Lei Zhang, and Nenghai Yu

- A Large Scale Experiment for Mood-Based Classification of TV Programmes
  Jana Eggink and Denise Bland

- Per-Exemplar Fusion Learning for Video Retrieval and Recounting
  Ilseo Kim, Sangmin Oh, A.G. Amitha Perera, and Chin-Hui Lee
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- Joint Example-Based Depth Map Super-Resolution
  Yanjie Li, Tianfan Xue, Lifeng Sun, and Jianzhuang Liu

- Spatiotemporal Saliency Detection via Sparse Representation
  Zhixiang Ren, Shenghua Gao, Deepu Rajan, Liang-Tien Chia, and Yun Huang

- Context-Aware Single Image Rain Removal
  De-An Huang, Li-Wei Kang, Min-Chun Yang, Chia-Wen Lin, and Yu-Chiang Frank Wang

- From 2D Extrapolation to 1D Interpolation: Content Adaptive Image Bit-Depth Expansion
  Pengfei Wan, Oscar C. Au, Ketan Tang, Yuanfang Guo, and Lu Fang

- View-Invariant Fall Detection System Based on Silhouette Area and Orientation
  Behzad Mirmahboub, Shadrokh Samavi, Nader Karimi, and Shahram Shirani
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- Traffic Reduction for Multiple Users in Multi-view Video Streaming
  Takuya Fujihashi, Ziyuan Pan, and Takashi Watanabe

- QoS-driven and Fair Downlink Scheduling for Video Streaming over LTE Networks
  with Deadline and Hard Hand-off
  Qian Liu, Zixuan Zou, and Chang Wen Chen

- Band Codes: Controlled Complexity Network Coding for Peer-to-Peer Video Streaming
  Attilio Fiandrotti, Valerio Bioglio, Enrico Magli, Marco Grangetto, and Rossano Gaeta

- Random Network Coding for Multimedia Delivery over LTE-Advanced
  Dejan Vukobratovic, Chadi Khirallah, Vladimir Stankovic, and John Thompson

- A Cross-Layer Video Transmission Scheme with Guaranteed End-to-End QoS
  over MIMO OFDM Systems
  Yahui Hu, Guofeng Lv, Song Ci, and Hui Tang
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  Junjun Jiang, Ruimin Hu, Zhen Han, Tao Lu, and Kebin Huang
- Learning Boltzmann Distance Metric for Face Recognition
  Truyen Tran, Dinh Q. Phung, and Svetha Venkatesh
- Inter-modality Face Sketch Recognition
  Hamed Kiani Galoogahi and Terence Sim
- A Pollution Attack to Public-key Watermarking Schemes
  Yongdong Wu and Robert H. Deng
- Authenticating Image Metadata Elements Using Geolocation Information and Sun Direction Estimation
  Pravin Kakar and N. Sudha
Poster Session: I

- A Fast and Robust Pedestrian Detection Framework Based on Static and Dynamic Information
  *Tao Xu, Hong Liu, Yueliang Qian, and Zhe Wang*

- The Performance of the Speaking Rate Parameter in Emotion Recognition from Speech
  *David Philippou-Hübner, Bogdan Vlasenko, Ronald Böck, and Andreas Wendemuth*

- Leaf Shape Descriptor for Tree Species Identification
  *Itheri Yahiaoui, Olfa Mzoughi, and Nozha Boujemaa*

- Saliency Aware Locality-preserving Coding for Image Classification
  *Quan Fang, Jitao Sang, and Changsheng Xu*

- Noisy Tag Alignment with Image Regions
  *Yang Liu, Jing Liu, Zechao Li, and Hanqing Lu*

- Relative Relevance Feedback in Image Retrieval
  *Yuki Sugiyama, Makoto P. Kato, Hiroaki Ohshima, and Katsumi Tanaka*

- Modelling Atomic Actions for Activity Classification
  *Jiangen Zhang, Benjamin Yao, and Yongtian Wang*

- Learning Detectors from Large Datasets for Object Retrieval in Video Surveillance
  *Rogerio Feris, Sharath Pankanti, and Behjat Siddique*
- Comparison of Curvelet and Wavelet Texture Features for Content Based Image Retrieval
  Ishrat Jahan Sumana, Guojun Lu, and Dengsheng Zhang

- Learning Semantic Motion Patterns for Dynamic Scenes by Improved Sparse Topical Coding
  Wei Fu, Jinqiao Wang, Zechao Li, Hanqing Lu, and Songde Ma

- Warping-Based Novel View Synthesis from a Binocular Image for Autostereoscopic Displays
  Yu-Hsiang Huang, Tzu-Kuei Huang, Yan-Hsiang Huang, Wei-Chao Chen, and Yung-Yu Chuang

- Depth Template Based 2D-to-3D Video Conversion and Coding System
  Zhenyu Wang, Ronggang Wang, Shengfu Dong, Wei Wu, Longshe Huo, and Wen Gao

- Stable Pose Estimation with a Motion Model in Real-Time Application
  Po-Chen Wu, Jui-Hsin Lai, Ja-Ling Wu, and Shao-Yi Chien

- Symmetric Cluster Set Level of Detail for Real-Time Terrain Rendering
  John Judnich and Nam Ling

- Full Spherical High Dynamic Range Imaging from the Sky
  Fumio Okura, Masayuki Kanbara, and Naokazu Yokoya

- Face Swapping under Large Pose Variations: A 3D Model Based Approach
  Yuan Lin, Shengjin Wang, Qian Lin, and Feng Tang
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- Foreground-Object-Protected Depth Map Smoothing for DIBR
  Xiaohan Lu, Fang Wei, and Fang-min Chen

- Activity Recognition from RGB-D Camera with 3D Local Spatio-temporal Features
  Yue Ming, Qiuqi Ruan, and Alexander G. Hauptmann

- Recognizing Occluded 3D Faces Using an Efficient ICP Variant
  Peijiang Liu, Yunhong Wang, Di Huang, and Zhaoxiang Zhang

- CO-LDA: A Semi-supervised Approach to Audio-Visual Person Recognition
  Xuran Zhao, Nicholas Evans, and Jean-Luc Dugelay

- Human Detection Using Wavelet-Based CS-LBP and a Cascade of Random Forests
  Deok-Yeon Kim, Joon-Young Kwak, Byoung Chul Ko, and Jae-Yeal Nam

- Robust Face Super-Resolution Using Free-Form Deformations for Low-Quality Surveillance Video
  Tomonari Yoshida, Tomokazu Takahashi, Daisuke Deguchi, Ichiro Ide, and Hiroshi Murase

- Video Copy Detection Using a Soft Cascade of Multimodal Features
  Menglin Jiang, Yonghong Tian, and Tiejun Huang

- Robust Image Content Authentication with Tamper Location
  Li Weng, Geert Braeckman, Ann Dooms, Bart Preneel, and Peter Schelkens

- A Distance-Sensitive Attribute Based Cryptosystem for Privacy-Preserving Querying
  Wei Sun and Shantanu Rane
Camera Model Identification Using Local Binary Patterns  
  Guanshuo Xu and Yun Qing Shi

The Extended Co-learning Framework for Robust Object Tracking  
  Chen Gong, Yang Liu, Tianyu Li, Jie Yang, and Xiangjian He

Distributed Joint Channel and Routing Assignment for Multimedia Wireless Mesh Networks  
  W.L. Warner Hong, Fei Long, Pengye Xia, and S.H. Gary Chan

Accuracy and Power Consumption Tradeoffs in Video Rate Adaptation for Computer Vision Applications  
  Yousef O. Sharrab and Nabil J. Sarhan

Resource-Distortion Modeling for Video Streaming over Mesh Networks with Priority-Based Packet Scheduling  
  Yongfei Zhang, Yunsheng Zhang, Shiyin Qin, and Zhihai He
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- Expert Talk for Time Machine Session: Dynamic Time Warping New Youth
  Xavier Anguera

- Expert Talk for Time Machine Session: Designing Calm Technology “...as Refreshing as Taking a Walk in the Woods”
  John N.A. Brown

- Expert Talk for Time Machine Session: Affective Multimedia Analysis: Introduction, Background and Perspectives
  Mohammad Soleymani

- Expert Talk for Time Machine Session: High Order Entropy Coding—From Conventional Video Coding to Distributed Video Coding
  Wenjun Zeng
OW1: Multimedia Content Analysis, Understanding and Retrieval III

- Ontological Inference Framework with Joint Ontology Construction and Learning for Image Understanding
  Shen-Fu Tsai, Hao Tang, Feng Tang, and Thomas S. Huang

- View Independent Computer Lip-Reading
  Yuxuan Lan, Barry-John Theobald, and Richard Harvey

- Video Gaze Prediction: Minimizing Perceptual Information Loss
  Junyong You

- Class-Based Color Bag of Words for Fashion Retrieval
  Costantino Grana, Daniele Borghesani, and Rita Cucchiara
OW2: Acoustic Signal Analysis and Processing

- Nine Voices, One Artist: Linguistic and Acoustic Analysis
  *Talal Bin Amin, Pina Marziliano, and James Sneed German*

- MASK: Robust Local Features for Audio Fingerprinting
  *Xavier Anguera, Antonio Garzon, and Tomasz Adamek*

- Creating the Sydney York Morphological and Acoustic Recordings of Ears Database
  *P. Guillon, R. Zolfaghari, N. Epain, A. van Schaik, C.T. Jin, C. Hetherington, J. Thorpe, and A. Tew*

- Blind Speech Dereverberation Based on a Statistical Model
  *Xulei Bao, Jie Zhu, and Zhen Huang*
SIFT-Based Image Compression
Huanjing Yue, Xiaoyan Sun, Feng Wu, and Jingyu Yang

Lagrange-based Video Encoder Optimisation to Enhance Motion Representation in the Compressed-Domain
R.M.T.P. Rajakaruna, W.A.C. Fernando, and J. Calic

A Model Predictive Controller for Frame-Level Rate Control in Multiview Video Coding
Bruno Boessio Vizzotto, Bruno Zatt, Muhammad Shafique, Sergio Bampi, and Jörg Henkel

An Adaptive Dynamic Scheduling Scheme for H.264/AVC Decoding on Multicore Architecture
Dung Vu, Jilong Kuang, and Laxmi Bhuyan
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- SSIM-Inspired Perceptual Video Coding for HEVC
  Abdul Rehman and Zhou Wang

- Perception of Temporal Pumping Artifact in Video Coding with the Hierarchical Prediction Structure
  Shuai Wan, Yanchao Gong, and Fuzheng Yang

- System Design of Perceptual Quality-Regulable H.264 Video Encoder
  Guan-Lin Wu, Yu-Jie Fu, and Shao-Yi Chien

- Subjective Crosstalk Assessment Methodology for Auto-stereoscopic Displays
  Liyuan Xing, Jie Xu, Kim Skildheim, Andrew Perkis, and Touradj Ebrahimi
Poster Session: II

- An Efficient Query-by-Singing/Humming System Based on Fast Fourier Transforms of Note Sequences
  *Wei-Ho Tsai and Yu-Ming Tu*

- Unsupervised Mining of Multiple Audiovisually Consistent Clusters for Video Structure Analysis
  *Anh-Phuong Ta and Guillaume Gravier*

- A Novel Video-Based Smoke Detection Method Using Image Separation
  *Hongda Tian, Wangqing Li, Lei Wang, and Philip Ogunbona*

- Visual Summarization of the Social Image Collection Using Image Attractiveness Learned from Social Behaviors
  *Jin-Woo Jeong, Hyun-Ki Hong, Jee-Uk Heu, Iqbal Qasim, and Dong-Ho Lee*

- Real-Time Storyboard Generation for H.264/AVC Compressed Videos
  *Pei Dong, Yong Xia, and David Dagan Feng*

- The Image Matting Method with Regularized Matte
  *Junbin Gao, Manoranjan Paul, and Jun Liu*

- Radon-based Audio Classification Features
  *Ruben Gonzalez*
Video Copy Detection Using Inclined Video Tomography and Bag-of-Visual-Words
Hyun-seok Min, Se Min Kim, Wesley De Neve, and Yong Man Ro

Image Classification with Group Fusion Sparse Representation
Yanan Liu

Self-Learning of Edge-Preserving Single Image Super-Resolution via Contourlet Transform
Min-Chun Yang, De-An Huang, Chih-Yun Tsai, and Yu-Chiang Frank Wang

Principal Components Analysis-Based Edge-Directed Image Interpolation
Bing Yang, Zhiyong Gao, and Xiaoyun Zhang

A Robust Homography Estimation Method Based on Keypoint Consensus and Appearance Similarity
Qing Yan, Yi Xu, and Xiaokang Yang

Exploiting Image Local and Nonlocal Consistency for Mixed Gaussian-Impulse Noise Removal
Jian Zhang, Ruiqin Xiong, Chen Zhao, Siwei Ma, and Debin Zhao

Frame Rate Up-Conversion for Depth-Based 3D Video
Qingchun Lu, Xiangzhong Fang, Chong Xu, and Yongzhe Wang

Color Filter Array Demosaicking Using Self-validation Framework
Ting-Chun Wang, Yi-Nung Liu, and Shao-Yi Chien
Efficient Single Image Super-Resolution via Graph Embedding
Junjun Jiang, Ruimin Hu, Zhen Han, Kebin Huang, and Tao Lu

Exploiting Structured Sparsity for Image Deblurring
Haichao Zhang, Yanning Zhang, and Thomas S. Huang

Clustering Based Search Algorithm for Motion Estimation
Ke Chen, Zhong Zhou, and Wei Wu

Enhanced Principal Component Using Polar Coordinate PCA for Stereo Audio Coding
Shi Dong, Ruimin Hu, Weiping Tu, Xiang Zheng, Junjun Jiang, and Song Wang

Synthesized View Distortion Based 3D Video Coding for Extrapolation and Interpolation of Views
Gerhard Tech, Heiko Schwarz, Karsten Müller, and Thomas Wiegand

Perceived Picture Quality of Frame-Compatible 3DTV Video Formats
Filippo Speranza, Ron Renaud, Andre Vincent, and Wa J. Tam

A Joint Texture/Depth Edge-Directed Up-sampling Algorithm for Depth Map Coding
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Fast Transcoding from H.264 AVC to High Efficiency Video Coding
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Motion Vectors Merging: Low Complexity Prediction Unit Decision Heuristic for the Inter-prediction of HEVC Encoders
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Optimal Bit-allocation for Wavelet-based Scalable Video Coding
\textit{Guan-Ju Peng, Wen-Liang Hwang, and Sao-Jie Chen}

Pooling Search: Serum Samples Test Simulated Video Fingerprint Search
\textit{Jincao Yao, Huimin Yu, and Roland Hu}

Finding Subgroups in a Flickr Group
\textit{Sumit Negi and Santanu Chaudhury}

Bringing Videos to Social Media
\textit{Stephan Kopf, Stefan Wilk, and Wolfgang Effelsberg}

See-through Image Enhancement through Sensor Fusion
\textit{Bo Fu, Mao Ye, Ruigang Yang, and Cha Zhang}

Video Based Real-World Remote Target Tracking on Smartphones
\textit{Qia Wang, Alex Lobzhanidze, Hyun I. Jang, Wenjun Zeng, and Yi Shang}

Lumipen: Projection-Based Mixed Reality for Dynamic Objects
\textit{Kohei Okumura, Hiromasa Oku, and Masatoshi Ishikawa}

Real-Time Hand Pose Estimation from RGB-D Sensor
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On-line Object Reconstruction and Tracking for 3D Interaction
Youji Feng, Yihong Wu, and Lixin Fan

Adaptive Coding with CPU Energy Conservation for Mobile Video Calls
Haiyang Ma and Roger Zimmermann

An Improved Template-Based Approach to Keyword Spotting Applied to the Spoken Content of User Generated Video Blogs
M.S. Barakat, C.H. Ritz, and D.A. Stirling

A Context-aware Description for Content Filtering on Video Sharing Social Networks
Antonio da Luz, Eduardo Valle, and Arnaldo de A. Araújo

Predicting Image Popularity in an Incomplete Social Media Community by a Weighted Bi-partite Graph
Xiang Niu, Lusong Li, Tao Mei, Jialie Shen, and Ke Xu

Error Modeling and Estimation Fusion for Indoor Localization
Weipeng Zhuo, Bo Zhang, S.H. Gary Chan, and Edward Y. Chang
OH1: Multimedia Content Analysis, Understanding, and Retrieval IV

- Video Event Detection Using Temporal Pyramids of Visual Semantics with Kernel Optimization and Model Subspace Boosting
  Noel C.F. Codella, Apostol Natsev, Gang Hua, Matthew Hill, Liangliang Cao, Leiguang Gong, and John R. Smith

- Grouplet-Based Distance Metric Learning for Video Concept Detection
  Wei Jiang and Alexander C. Loui

- Ratio Voting: A New Voting Strategy for Large-Scale Image Retrieval
  Yusuke Uchida, Koichi Takagi, and Shigeyuki Sakazawa

- Topology Preserved Regular Superpixel
  Dai Tang, Huazhu Fu, and Xiaochun Cao
OH2: Multimedia System and Architecture

- GPU and CPU Cooperative Acceleration for Face Detection on Modern Processors
  Eric Li, Bin Wang, Liu Yang, Ya-ti Peng, Yangzhou Du, Yimin Zhang, and Yi-Jen Chiu

- Area and Memory Efficient Architectures for 3D Blu-ray-compliant Multimedia Processors
  Chi-Cheng Ju, Tsu-Ming Liu, Yeh-Lin Chu, Chuang-Chi Chiou, Bin-Jung Tsai, Te-Chi Hsiao, Ginny Chen, Pin-Huan Hsu, Chih-Ming Wang, Chun-Chia Chen, Hue-Min Lin, Chia-Yun Cheng, Min-Hao Chiu, Sheng-Jen Wang, Jiun-Yuan Wu, Yuan-Chun Lin, Yung-Chang Chang, and Chung-Hung Tsai

- Energy-Aware Operation of Black Box Surveillance Cameras under Event Uncertainty and Memory Constraint
  Giwon Kim, Jungsoo Kim, Jongpil Jung, and Chong-Min Kyung

- A Unified 4/8/16/32-Point Integer IDCT Architecture for Multiple Video Coding Standards
  Sha Shen, Weiwei Shen, Yibo Fan, and Xiaoyang Zeng
OH3: Multimedia Applications

- 3D Head Pose Estimation Based on Scene Flow and Generic Head Model
  Peng Liu, Michael Reale, and Lijun Yin

- Efficient Super-Resolution by Finer Sub-Pixel Motion Prediction and Bilateral Filtering
  Damith J. Mudugamuwa, Xiangjian He, and Wenjing Jia

- Automatic Video Editing for Video-Based Interactive Storytelling
  Edirlei Soares de Lima, Bruno Feijó, Antonio L. Furtado, Angelo Ciarlini, and Cesar Pozzer

- Crowdsourced Learning to Photograph via Mobile Devices
  Wenyuan Yin, Tao Mei, and Chang Wen Chen
OH4: Multimedia Perceptual Assessment and Signal Processing

- Pause Intensity: A No-Reference Quality Assessment Metric for Video Streaming in TCP Networks
  Colin Bailey, Mirghiasaldin Seyedebrahimi, and Xiao-Hong Peng

- Visual Contrast Sensitivity Guided Video Quality Assessment
  Junyong You, Liyuan Xing, Andrew Perkis, and Touradj Ebrahimi

- Gaussian Noise Level Estimation in SVD Domain for Images
  Wei Liu and Weisi Lin

- Reducing Blocking Artifacts in Compressed Images via Transform-Domain Non-local Coefficients Estimation
  Xinfeng Zhang, Ruiqin Xiong, Siwei Ma, and Wen Gao
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- Fast Near-Duplicate Video Retrieval via Motion Time Series Matching
  John R. Zhang, Jennifer Y. Ren, Fangzhe Chang, Thomas L. Wood, and John R. Kender

- 3D Storyboards for Interactive Visual Search
  Klaus Schoeffmann, David Ahlström, and Laszlo Böszörmenyi

- From Text Detection in Videos to Person Identification
  Johann Poignant, Laurent Besacier, Georges Quénot, and Franck Thollard

- Leveraging Concept Association Network for Multimedia Rare Concept Mining and Retrieval
  Tao Meng and Mei-Ling Shyu
A Novel Progressive Image Scanning and Reconstruction Scheme Based on Compressed Sensing and Linear Prediction

Giulio Coluccia and Enrico Magli

Graph-Based Sequential Particle Filtering Framework for Articulated Motion Analysis

Jing Huang and Dan Schonfeld

A Novel View-Level Target Bit Rate Distribution Estimation Technique for Real-Time Multi-view Video Plus Depth

Mario Cordina and Carl J. Debono

Combined Inter-frame and Inter-color Prediction for Color Video Denoising

Jingjing Dai, Oscar C. Au, Chao Pang, and Feng Zou
An Augmented Reality 3D Pop-Up Book: The Development of a Multimedia Project for English Language Teaching
   *Poonsri Vate-U-Lan*

A Novel Framework for 3D Computer Animation Systems for Nonprofessional Users Using an Automatic Rigging Algorithm
   *Natapon Pantuwong and Masanori Sugimoto*

Unsupervised Conversion of 3D Models for Interactive Metaverses
   *Jeff Terrace, Ewen Cheslack-Postava, Philip Levis, and Michael J. Freedman*
OH8: Media Coding and Delivery

- LIPS: A Lightweight Inter-layer Protection Scheme for Scalable Video Coding
  Shih-Ying Chang and Hsin-Ta Chiao
- Effective Spatial Data Broadcasting
  Chung-Hua Chu
- PRIME: Pre-registration for IMS Mobility Enhancement
  Abolfazl Nazari, Jason But, Philip Branch, and Hai Vu
- Complexity Modeling of the Motion Compensation Process of the H.264/AVC Video Coding Standard
  Mehdi Semsarzadeh, Mohsen Jamali Langroodi, Mahmoud Reza Hashemi, and Shervin Shirmohammadi
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- Large Scale Partial-Duplicate Image Retrieval Using Invariance Weight of SIFT and SROA Geometric Consistency
  Zhi Li, Guizhong Liu, and Yana Ma

- Who’s Who in a Sports Video? An Individual Level Sports Video Indexing System
  Shih-Wei Sun, Wen-Huang Cheng, Yao-Ling Hung, Ivy Fan, Chris Liu, Jacqueline Hung, Chia-Kai Lin, and Hong-Yuan Mark Liao

- Object Detection Based on Co-occurrence GMuLBP Features
  Jingsong Xu, Qiang Wu, Jian Zhang, and Zhenmin Tang

- Live Semantic Sport Highlight Detection Based on Analyzing Tweets of Twitter
  Liang-Chi Hsieh, Ching-Wei Lee, Tzu-Hsuan Chiu, and Winston Hsu

- Improving Relevance Feedback for Image Retrieval with Asymmetric Sampling
  Biao Niu, Jian Cheng, and Hanqing Lu

- Contented-Based Large Scale Web Audio Copy Detection
  Lezi Wang, Yuan Dong, Hongliang Bai, Jiwei Zhang, Chong Huang, and Wei Liu

- Efficient Level of Service Classification for Traffic Monitoring in the Compressed Video Domain
  Roland Tusch, Felix Pletzer, Armin Krätschmer, Laszlo Böszörmenyi, Bernhard Rinner, Thomas Mariacher, and Manfred Harrer
A Local Temporal Context-Based Approach for TV News Story Segmentation
Émilie Dumont and Georges Quénot

Evaluating Gaussian Like Image Representations over Local Features
Yu-Chuan Su, Guan-Long Wu, Tzu-Hsuan Chiu, Winston H. Hsu, and Kuo-Wei Chang

A Synaesthetic Approach for Image Slideshow Generation
Yangyang Xiang and Mohan S. Kankanhalli

Dual-Transform Based Noise Estimation
Chongwu Tang, Xiaokang Yang, and Guangtao Zhai

Parallelization Design of Irregular Algorithms of Video Processing on GPUs
Huayou Su, Jun Chai, Mei Wen, Ju Ren, and Chunyuan Zhang

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Sampling Technique Analysis of Nyström Approximation in Pixel-Wise Affinity Matrix
Chieh-Chi Kao, Jui-Hsin Lai, Ja-Ling Wu, and Shao-Yi Chien

Fast Video Stabilization in the Compressed Domain
Manish Okade and P.K. Biswas
 Novel Binaural Spectro-temporal Algorithm for Speech Enhancement in Low SNR Environments  
  Po-Hsun Sung, Bo-Wei Chen, Ling-Sheng Jang, and Jhing-Fa Wang

 Discovering the Best Feature Extraction and Selection Algorithms for Spontaneous Facial Expression Recognition  
  Ligang Zhang, Dian Tjondronegoro, and Vinod Chandran

 Salient Object Detection through Over-Segmentation  
  Xuejie Zhang, Zhixiang Ren, Deepu Rajan, and Yiqun Hu

 EEG-based Dominance Level Recognition for Emotion-Enabled Interaction  
  Yisi Liu and Olga Sourina

 Image Super-Resolution via Low-Pass Filter Based Multi-scale Image Decomposition  
  Shuyuan Zhu, Bing Zeng, and Shuicheng Yan

 Fine-Granular Parallel EBCOT and Optimization with CUDA for Digital Cinema Image Compression  
  Fang Wei, Qiu Cui, and Ye Li

 An Optimized Hardware Video Encoder for AVS with Level C+ Data Reuse Scheme for Motion Estimation  
  Kaijin Wei, Rongwei Zhou, Shanghang Zhang, Huizhu Jia, Don Xie, and Wen Gao
Motion Based Perceptual Distortion and Rate Optimization for Video Coding  
Xi Wang, Li Su, Qingming Huang, Chunxi Liu, and Ling-Yu Duan

Macro-Block-Level Selective Background Difference Coding for Surveillance Video  
Xianguo Zhang, Yonghong Tian, Luhong Liang, Tiejun Huang, and Wen Gao

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