

| Compact and Efficient Feature Representation and Learning in Computer Vision (CEFRL) | | | |
|--|------------|---|--|
| Session (Optional) | Start Time | Paper/Talk Title | Speaker/Author(s) |
| | 0800 | Welcome | |
| S1: Oral Session (0810-0100) | | | |
| | 0810 | Class-specific Reconstruction Transfer Learning via Sparse Low-rank Constraint | Shanshan Wang; Lei Zhang; Wangmeng Zuo |
| | 0830 | DelugeNets: Deep Networks with Efficient and Flexible Cross-layer Information Inflows | Jason Kuen; Xiangfei Kong; Gang Wang; Ya-Peng Tan |
| Invited Talk | 0850 | Invited Talk: Efficient Features for Visual Recognition | Pascal Fua (EPFL, Switzerland) |
| | 1000 | Morning Break (????) & Poster Session | |
| | - | Vehicle Logo Retrieval Based on Hough Transform and Deep Learning | Huan Li; Yujian Qin; Li Wang |
| | - | P-TELU : Parametric Tan Hyperbolic Linear Unit Activation for Deep Neural Networks | Rahul Duggal; Anubha Gupta |
| | - | Learning Efficient Deep Feature Representations via Transgenerational Genetic Transmission of Environmental Information during Evolutionary Synthesis of Deep Neural Networks | Mohammad Javad Shafiee; Elnaz Barshan; Francis Li; Brendan Chwy; Michelle Karg; Christian Scharfenberger; Alexander Wong |
| | - | Large-Scale Content-Only Video Recommendation | Joonseok Lee; Sami Abu-El-Hajja |
| | - | Efficient Fine-grained Classification and Part Localization Using One Compact Network | Xiyang Dai; Ben Southall; Nhon Trinh; Bogdan Matei |
| | - | Structured Images for RGB-D Action Recognition | Pichao Wang; Shuang Wang; Zhimin Gao; Yonghong Hou; Wanqing Li |
| | - | Compact Feature Representation for Image Classification Using ELMs | Dongshun Cui; Guanghao Zhang; Wei Han; Liyanaarachchi Lekamalage Chamara Kasun; Kai Hu; Guang-Bin Huang |
| | - | Improved Descriptors for Patch Matching and Reconstruction | Rahul Mitra; Jiakai Zhang; Sanath Narayan; Shuaib Ahmed; Sharat Chandran; Arjun Jain |
| | - | Compact color texture descriptor based on rank transform and product ordering in the RGB color space | Antonio Fernández; David Lima; Francesco Bianconi; Fabrizio Smeraldi |
| | - | Spatial-Temporal Weighted Pyramid using Spatial Orthogonal Pooling | Yusuke Mukuta; Yoshitaka Ushiku; Tatsuya Harada |
| | - | Double-task Deep Q-Network with Multiple views | Jun Chen; Tingzhu Bai; Xiangsheng Huang; Xian Guo; Jianing Yang; Yuxing Yao |
| | - | Automatic discovery of discriminative parts as a quadratic assignment problem | ronan sicre; Julien Rabin; Yannis Avrithis; Teddy Furon; Frederic Jurie; Ewa Kijak |
| | - | UDNet: Up-Down Network for Compact and Efficient Feature Representation in Image Super-Resolution | Chang Chen; Xinmei Tian; Zhiwei Xiong; Feng Wu |
| | - | Enlightening Deep Neural Networks with Knowledge of Confounding Factors | Yu Zhong; Gil Etinger |
| | - | Consistent Iterative Multi-view Transfer Learning for Person Re-identification | Cairong Zhao; Xuekuan Wang; Yipeng Chen; Can Gao; Wangmeng Zuo; Duoqian Miao |
| | - | Binary-decomposed DCNN for accelerating computation and compressing model without retraining | Ryuji Kamiya; Takayoshi Yamashita; Mitsuru Ambai; Ikuro Sato; Yuji Yamauchi; Hironobu Fujiyoshi |
| | - | Co-localization with Category-Consistent Features and Geodesic Distance Propagation | Hieu M Le; Chen-Ping Yu; Gregory Zelinsky ; Dimitris Samaras |
| | - | End-to-End Visual Target Tracking in Multi-Robot Systems Based on Deep Convolutional Neural Network | Yawen Cui; Bo Zhang ; Wenjing Yang; Zhiyuan Wang; Yin Li; Xiaodong Yi; Yuhua Tang |
| | - | Oceanic Scene Recognition Using Graph-of-Words (GoW) | Xinghui Dong; Junyu Dong |
| | - | Coarse-to-Fine Deep Kernel Networks | Hichem Sahbi |
| | - | Efficient Convolutional Network Learning using Parametric Log based Dual-Tree Wavelet ScatterNet | Amarjot Singh; Nick Kingsbury |
| | - | 4D Effect Video Classification with Shot-aware Frame Selection and Deep Neural Networks | Thomhert S Siadari; Mikyong Han; Hyunjin Yoon |
| | - | Max-Boost-GAN: Max Operation to Boost Generative Ability of Generative Adversarial Networks | XINHAN DI; Pengqian Yu |
| | - | Multiplicative Noise Channel in Generative Adversarial Networks | XINHAN DI; Pengqian Yu |
| | - | Fast CNN-based document layout analysis | Dario A B Oliveira; Matheus Viana |
| | - | Texture and Structure Incorporated ScatterNet Hybrid Deep Learning Network (TS-SHDL) For Brain Matter Segmentation | Amarjot Singh; Devamanyu Hazarika; Aniruddha Bhattacharya |
| S2: Oral Session II (1030-1230) | | | |
| | 1050 | Video Summarization via Multi-View Representative Selection | Jingjing Meng; Suchen Wang; Hongxing Wang; Junsong Yuan; Ya-Peng Tan |
| | 1130 | Dynamic Computational Time for Visual Attention | Zhichao Li; Yi Yang; Xiao Liu; Feng Zhou; Shilei Wen; Wei Xu |
| | 1150 | Rotation Invariant Local Binary Convolution Neural Networks | Xin Zhang; Liu Li; Yuxiang Xie; Jie Chen; Lingda Wu; Matti Pietikäinen |
| | 1210 | The Mating Rituals of Deep Neural Networks: Learning Compact Feature Representations through Sexual Evolutionary Synthesis | Audrey Chung; Mohammad Javad Shafiee; Paul Fieguth; Alexander Wong |
| Invited Talk | 1400 | Invited Talk: Learning and Understanding Deep Visual Representations | Andrea Vedaldi (University of Oxford) |
| | 1510 | Afternoon Break (????)& Poster Session | |
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| S3: Oral Sessior | 1600 | Few-Shot Hash Learning for Image Retrieval | Yu-Xiong Wang; Liangke Gui; Martial Hebert |
| | 1620 | A Handcrafted Normalized-Convolution Network for Texture Classification | Vu-Lam Nguyen; Ngoc-Son Vu; Philippe-Henri Gosselin |
| | 1640 | Towards Good Practices for Image Retrieval Based on CNN Features | omar seddati; stéphane dupont; Said Mahmoudi; Mahnaz pariyaan |
| | 1700 | Concluding Remarks | |