2nd IEEE International Workshop on Subspace Methods (Subspace 2009)

Organizers: Toru Tamaki, David Suter, Björn Stenger
Date: Sunday, September 27, 2009, 9:30-17:40

Oral Session 1
Nonnegative Matrix Factorization with Gibbs Random Field Modeling
Shengcai Liao, Zhen Lei, Stan Z. Li
Learning Invariances with Stationary Subspace Analysis
Frank C. Meinecke, Paul von Bünau, Motoaki Kawanabe, Klaus-R. Müller
Mahalanobis Distance Minimization Mapping : M3
Aiko Oka, Toshikazu Wada

Oral Session 2
Large Margin Classifiers Based on Convex Class Models
Hakan Cevikalp, Bill Triggs
A General Framework for Approximate Nearest Subspace Search
Ronen Basri, Tal Hassner, Lihi Zelnik-Manor
A Strategy of Classification via Sparse Dictionary Learned by Non-negative K-SVD
Rongguo Zhang, Chunheng Wang, Baihua Xiao

Poster Session / Oral-Poster-Hybrid Session
Identity and Variation Spaces: Revisiting the Fisher Linear Discriminant
Sheng Zhang, Terence Sim, Mei-Chen Yeh
Investigating the Spatial Support of Signal and Noise in Face Recognition
Yun Fu, Simon J. D. Prince
Robust Faces Manifold Modeling: Most Expressive Vs. Most Sparse Criterion
Xiaoyang Tan, Lishan Qiao, Wenjuan Gao, Jun Liu
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Stepwise Correlation Metric Based Discriminant Analysis and Multi-probe Images Fusion for Face Recognition
Zhen Lei, Shengcai Liao, Stan Z. Li
Non-linear Generative Embeddings for Kernels on Latent Variable Models
   Anna Carli, Manuele Bicego, Sisto Baldo, Vittorio Murino
Subset Kernel PCA for Pattern Recognition
   Yoshikazu Washizawa
Multiple Pattern Classification by Sparse Subspace Decomposition
   Tomoya Sakai
Visual Category Recognition Using Spectral Regression and Kernel Discriminant Analysis
   M. A. Tahir, J. Kittler, K. Mikolajczyk, F. Yan, Koen van de Sande, T. Gevers
Spectral Face Clustering
   Biswaroop Palit, Rakesh Nigam, Keren Perlmutter, Sharon Perlmutter
3D-MAM: 3D Morphable Appearance Model for Efficient Fine Head Pose Estimation from Still Images
   Markus Storer, Martin Urschler, Horst Bischof
Optimal Feature Selection for Subspace Image Matching
   Gemma Roig, Xavier Boix, Fernando De la Torre
Learning Good Features for Active Shape Models
   Nuria Brunet, Francisco Perez, Fernando De la Torre
Multilinear Isometric Embedding for Visual Pattern Analysis
   Yan Liu, Yang Liu, Keith C. C. Chan
Synthesis of Multiple Pose Facial Images Using Tensor-based Subspace Learning Method
   Xu Qiao, Yen-Wei Chen, Xian-Hua Han, Takanori Igarashi, Keisuke Nakao
Head Pose Estimation Using Multilinear Subspace Analysis for Robot Human Awareness
   Tonislav Ivanov, Larry Matthies, M. Alex O. Vasilescu
Median K-flats for Hybrid Linear Modeling with Many Outliers
   Teng Zhang, Arthur Szlam, Gilad Lerman
Optimization on the Manifold of Multiple Homographies
   Anders Eriksson, Anton van den Hengel
Curve Fitting by Spherical Least Squares on Two-dimensional Sphere
   Jun Fujiki, Shotaro Akaho

Oral Session 3
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