

Best Scientific Paper Awards

Motion, Tracking, Video Analysis

Yuping Shen, Nazim Ashraf, Hassan Foroosh, "*Action Recognition Based on Homography Constraints*"

Signal Theory and Representation

Karthik Gurumoorthy, Ajit Rajwade, Arunava Banerjee, Anand Rangarajan, "*Beyond SVD: Sparse Projections Onto Exemplar Orthonormal Bases for Compact Image Representation*"

Multimedia Processing and Content-Based Information Retrieval

Yoon Bai, Choonseog Park, Yoonsuck Choe, "*Relative Advantage of Touch Over Vision in the Exploration of Texture*"

Document Analysis and Recognition

Michael Donoser, Horst Bischof, Silke Wagner, "*Using Web Search Engines to Improve Text Recognition*"

Bioinformatics and Biomedical Applications

Gunnar L  th  n, Jimmy Jonasson, Magnus Borga, "*Phase Based Level Set Segmentation of Blood Vessels*"

Fingerprint Recognition

Abhishek Nagar, Karthik Nandakumar, Anil Jain, "*Securing Fingerprint Template: Fuzzy Vault with Minutiae Descriptors*"

IBM Best Student Awards

Image Modelling and Scene Understanding

Xi Zhou, Xiaodan Zhuang, Hao Tang, Mark Hasegawa-Johnson, Thomas Huang, "*A Novel Gaussianized Vector Representation for Natural Scene Categorization*"

Statistical Pattern Recognition

Son Joken, Naoya Inoue, Yukihiro Yamashita, "*Numerical Analysis of Mahalanobis Metric in Vector Space*"

Superresolution and Inpainting

Zafer Arican, Pascal Frossard, "*Super-Resolution from Unregistered Omnidirectional Images*"

Handwriting Recognition

Jose A. Rodriguez, Florent Perronnin, Gemma Sanchez, Josep Llados, "*Unsupervised Writer Style Adaptation for Handwritten Word Spotting*"

Bioinformatics and Biomedical Applications

Florence Cloppet, Arnaud Boucher, “*Segmentation of Overlapping/aggregating Nuclei Cells in Biological images*”

Fingerprint Recognition

Javier Galbally, Raffaele Cappelli, Alessandra Lumini, Davide Maltoni, Julian Fierrez, “*Fake Fingertip Generation from a Minutiae Template*”

Best Industry Related Paper Award 2008

Multimedia Processing and Content-Based Information Retrieval

Yuyu Liu, Yoichi Sato, “*Recovering Audio-To-Video Synchronization by Audiovisual Correlation Analysis*”

Piero Zamperoni Best Student Paper Award

Motion, Tracking, Video Analysis

Ming Zhao, Chi-kit Ronald Chung, “*Critical Congurations of Lines to Geometry Determination of Three Cameras*”

Best Biometrics Student Paper Award

Bappaditya Mandal, Xudong Jiang and Alex Kot, “*Verification of Human Faces Using Predicted Eigenvalues*”