

Conference Program

Time	ID	Title	Author(s)	Type
September 29, 2004				
11:00	Session 1 - Image Segmentation			
	108	Automatic image segmentation using a deformable model based on charged particles	Andrei C. Jalba, Michael H.F. Wilkinson, Jos B. T. M. Roerdink	Oral
	419	Hierarchical Regions for Image Segmentation	Slawo Wesolkowski and Paul Fieguth	Oral
	352	Efficiently Segmenting Images with Dominant Sets	M. Pavan and M. Peillo	Oral
	375	Color Image Segmentation Using Energy Minimization on a Quadtree Representation	Adolfo Martinez-Uso, Filiberto Pla and Pedro Garcia-Sevilla	Oral
	285	Segmentation using Saturation Thresholding and its Application in Content-Based Retrieval of Images	A. Vadivel, M. Mohan, Shamik Sural and A.K.Majumdar	Oral
11:00	Session 2 - Biomedical Applications			
	219	An Automated Multichannel Procedure for cDNA Microarray Image Processing	R. Lukac, K.N. Plataniotis, B. Smolka, A.N. Venetsanopoulos	Oral
	284	A modified Nearest Neighbor Method for Image Reconstruction in Fluorescence Microscopy	Koji Yano and Itsuo Kumazawa	Oral
	216	An Improved Clustering-based Approach for DNA Microarray Image Segmentation	Luis Rueda, Li Qin	Oral
	222	A Spatially Adaptive Filter Reducing Arc Stripe Noise for Sector Scan Medical Ultrasound Imaging	Qianren Xu, M. Kamel, M. M. A. Salama	Oral
14:00	Session 3 - Image Processing and Analysis			
	115	Hierarchical MCMC Sampling	Paul Fieguth	Oral
	183	Registration and Fusion of Blurred Images	Filip Sroubek, Jan Flusser	Oral
	113	A New Numerical Scheme for Anisotropic Diffusion	Hongwen Yi and Peter H. Gregson	Oral
	89	An Effective Detail Preserving Filter for Impulse Noise Removal	Naif Alajlan and Prof. Ed Jernigan, University of Waterloo	Oral
	411	A Quantum-Inspired Genetic Algorithm for Multi-Source Affine Image Registration	Hichem Talbi, Amer Draa, Mohamed Batouche	Oral
14:00	Session 4 - Biomedical Applications			
	289	Fuzzy-Snake Segmentation of Anatomical Structures Applied to CT Images	Antonio Martínez-Albalá, Antonio Adán and Gloria Bueno	Oral

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Time	ID	Title	Author(s)	Type	
	364	Topological Active Volumes for Segmentation and Shape Reconstruction of Medical Images	N. Barreira and M. G. Penedo	Oral	
	418	Region Of Interest Based Prostate Tissue Charecterization using SVM	S.S.Mohamed, M.M.A.Salama, K.Rizkalla	Oral	
	51	Ribcage Boundary Delineation in Chest X-ray Images	Carlos Vinhais, Aurélio Campilho	Oral	
16:00	Poster Session 1				Topic
	424	A New Approach to Unsupervised Image Segmentation based on Wavelet-domain Hidden Markov Tree Models	Qiang Sun, Shuiping Gou, Licheng Jiao	Poster	Image Segmentation
	413	Spatial Discriminant Function with Minimum Error Rate for Image Segmentation	EunSang Bak	Poster	Image Segmentation
	75	Detecting foreground components in grey level images for shift invariant and topology preserving pyramids	Giuliana Ramella and Gabriella Sanniti di Baja	Poster	Image Segmentation
	135	Pulling, Pushing and Grouping for Image Segmentation	Guoping Qiu and Kin-Man Lam	Poster	Image Segmentation
	252	Image Segmentation by a Robust Clustering Algorithm using Gaussian Estimator	Lei Wang, Hongbing Ji, Xinbo Gao	Poster	Image Segmentation
	60	A Multistage Image Segmentation and Denoising Method - Based on the Mumford and Shah Variational Approach	Song Gao and Tien D. Bui	Poster	Image Segmentation
	391	A Multiresolution Threshold Selection Method Based on Training	J.R. Martinez-de Dios and A. Ollero	Poster	Image Segmentation
	147	Segmentation Based Environment Modeling Using a Single Image	Seung-Taek Ryoo	Poster	Image Segmentation
	287	Unsupervised Color-texture segmentation	Yuzhong WANG, Jie YANG	Poster	Image Segmentation
	334	Nonparametric Impulsive Noise Removal	Bogdan Smolka Rastislav lukac	Poster	Image Processing and Analysis
	196	BayesShrink Ridgelets for Image Denoising	Nezamoddin Nezamoddini-Kachouie, Paul Fieguth	Poster	Image Processing and Analysis
	118	Image Salt-Pepper Noise Elimination by Detecting Edges and Isolated Noise Points	LI Gang, SONG Benheng	Poster	Image Processing and Analysis
	234	Image De-noising via Overlapping Wavelet Atoms	V. Bruni, D. Vitulano	Poster	Image Processing and Analysis
	184	Gradient Pile up Algorithm for Edge Enhancement and Detection	Leticia Guimarães, André Soares, Viviane Cordeiro, and Altamiro Susin	Poster	Image Processing and Analysis
	133	Co-Histogram and Image Degradation Evaluation	Pengwei Hao and Chao Zhang	Poster	Image Processing and Analysis
	98	MAP signal reconstruction with non regular grids	João M. Sanches and Jorge S. Marques	Poster	Image Processing and Analysis

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Time	ID	Title	Author(s)	Type	
	78	A Level-Set Based Volumetric CT Segmentation Technique: A Case Study with Pulmonary Air Bubbles	Jose Silvestre Silva, Beatriz Sousa Santos, Augusto Silva, Joaquim Madeira	Poster	Biomedical Applications
	169	A quantification tool to analyse stained cell cultures	E. Glory, A. Faure, V. Meas-Yedid, C. Pinset, J-C. Olivo-Marin, G. Stamon	Poster	Biomedical Applications
	177	Dynamic Pedobarography Transitional Objects by Lagrange's Equation with FEM, Modal Matching and Optimization Techniques	Raquel R. Pinho, Joao M. R. S. Tavares	Poster	Biomedical Applications
	235	3D Meshes Registration : Application to statistical skull model	M. Berar , M. Desvignes, G. Bailly, Y. Payan	Poster	Biomedical Applications
	263	Detection of Rib Borders on X-ray Chest Radiographs	Rui Moreira, Ana Maria Mendonça, Aurélio Campilho	Poster	Biomedical Applications
	299	Isosurface-based level set framework for MRA segmentation	Yongqiang Zhao, Minglu Li	Poster	Biomedical Applications
	336	Segmentation of the Comet Assay Images	Bogdan Smolka Rastislav Lukac	Poster	Biomedical Applications
	379	Automatic extraction of the retina AV index	I. G. Caderno, M. G. Penedo, C. Mariño, M. J. Carreira, F. Gomez-Ulla, F. Gonzalez	Poster	Biomedical Applications
	117	Image Registration in Electron Microscopy. A Stochastic Optimization Approach.	J.L. Redondo, P.M. Ortigosa, I. Garcia, J.J. Fernandez	Poster	Biomedical Applications
	339	Evolutionary Active Contours for Muscle Recognition	A. Caro, P. G. Rodríguez, M.L. Durán, J. A. Ávila, T. Antequera, R. Palacios	Poster	Biomedical Applications
	327	Automatic Lane and Band Detection in Images of Thin Layer Chromatography	António Varejão Sousa, Rui Aguiar, Ana Maria Mendonça, Aurélio Campilho	Poster	Biomedical Applications
	258	Automatic Tracking of Arabidopsis thaliana Root Meristem in Confocal Microscopy	Bernardo Garcia, Ana Campilho, Ben Scheres, and Aurelio Campilho	Poster	Biomedical Applications
	173	Image Segmentation of Historical Documents: Using a Quality Index	Carlos Alexandre Mello	Poster	Document Processing
	326	A Complete System for Detection and Identification of Tabular Structures from Document Images	S. Mandal, S. P. Chowdhury, A. K. Das and Bhabatosh Chanda	Poster	Document Processing
	357	Underline Removal on Old Documents	João R. Caldas Pinto, Pedro Pina, Lourenço Bandeira, Luís Pimentel, Mário Ramalho	Poster	Document Processing
	415	A New Algorithm for Skew Detection in Images of Documents	Rafael Dueire Lins and Bruno Tenório Ávila	Poster	Document Processing
	181	Blind Source Separation techniques for detecting hidden texts and textures in document images	Anna Tonazzini, Emanuele Salerno, Matteo Mochi and Luigi Bedini	Poster	Document Processing
	266	Efficient Removal of Noisy Borders from Monochromatic Documents	Bruno Tenório Ávila and Rafael Dueire Lins	Poster	Document Processing
	361	Facial Feature Extraction and Principal Component Analysis for Face Detection in Color Images	Saman Cooray and Noel O'Connor	Poster	Face Detection and Recognition
17:00	Session 5 - Image Analysis and Synthesis				

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Time	ID	Title	Author(s)	Type
	269	Parameterized Hierarchical Annealing For Scientific Models	Simon K. Alexander, Paul Fieguth, and Edward R. Vrscay	Oral
	277	Significance Test for Feature Subset Selection on Image Recognition	Qianren Xu, M. Kamel, M. M. A. Salama	Oral
	367	Image Recognition Applied to Robot Control Using Fuzzy Modeling	Paulo J. Sequeira Gonçalves, L. F. Mendonça, J.M.C. Sousa, and J.R. Caldas Pinto	Oral
	432	Large Display Interaction using Video Avatar and Hand Gesture Recognition	Sang Chul Ahn, Tae-Seong Lee, Ig-Jae Kim, Yong-Moo Kwon, Hyoung-Gon Kim	Oral
17:00	Session 6 - Document Processing			
	403	A New File Format for Decorative Tiles	Rafael Dueire Lins	Oral
	382	Projection profile based algorithm for slant removal	Moisés Pastor, Alejandro Toselli and Enrique Vidal	Oral
	199	Novel Adaptive Filtering for Salt-and-Pepper Noise Removal From Binary Document Images	Amr R. Abdel-Dayem, Ali K. Hamou, and Mahmoud R. El-Sakka	Oral
	204	Automated Seeded Region Growing Method for Document Image Binarization Based on Topographic Features	Yufei Sun, Yan Chen, Yuzhi Zhang and Yanxia Li	Oral
September 30, 2004				
8:30	Session 7 - Image and Video Coding			
	132	Optimal Transform in Perceptually Uniform Color Space and Its Application in Image Coding	Ying Chen and Pengwei Hao	Oral
	368	Lossless compression of color-quantized images using block-based palette reordering	António J. R. Neves and Armando J. Pinho	Oral
	312	Fovea Based Coding for Video Streaming	Cagatay Dikici, H. Isil Bozma, Reha Civanlar	Oral
	322	Influence of task and scene content on subjective video quality	Ying Zhong , Iain Richardson, Arash Sahraie, Peter McGeorge	Oral
8:30	Session 8 - Colour Analysis			
	433	Robust dichromatic colour constancy	Gerald Schaefer	Oral
	376	Soccer Field Detection in Video Images using Color and Spatial Coherence	Arnaud Le Troter, Sébastien Mavromatis, Jean Sequeira	Oral
	202	New Methods to Produce High Quality Color Anaglyphs for 3-D Visualization	Ianir Ideses Leonid Yaroslavsky	Oral
	218	A New Color Filter Array Interpolation Approach for Single-Sensor Imaging	R. Lukac, K.N. Plataniotis, B. Smolka	Oral

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Time	ID	Title	Author(s)	Type
10:30	Session 9 - Shape and Matching			
	195	Graph Pattern Spaces from Laplacian Spectral Polynomials	Bin Luo, Richard Wilson, Edwin Hancock	Oral
	320	A Hierarchical Framework for Shape Recognition using Articulated Shape Mixtures	Abdullah A. Al-Shaher and Edwin R. Hancock	Oral
	165	A New Affine Invariant Fitting Algorithm for Algebraic Curves	Sait Sener and Mustafa Unel	Oral
	193	Graph Matching using Manifold Embedding	Edwin Hancock ,Bai Xiao, Hang Yu	Oral
	348	A Matching Algorithm Based on Local Topologic Structure	Xinjian Chen, Jie Tian, Xin Yang	Oral
	414	2-D Shape Matching using Asymmetric Wavelet-based Dissimilarity Measure	Ibrahim El Rube', Mohamed Kamel, and Maher Ahmed	Oral
	395	A Real-Time Image Stabilization System Based on Fourier-Mellin Transform	J. R. Martinez-de Dios and Anibal Ollero	Oral
10:30	Session 10 - Texture Analysis			
	119	A Fast Probabilistic Bidirectional Texture Function Model	Michal Haindl and Jiri Filip	Oral
	106	Model-Based Texture Segmentation	Michal Haindl and Stanislav Mikes	Oral
	338	A New Gabor Filter Based Kernel for Texture Classification with SVM	Mahdi Sabri and Paul Fieguth	Oral
	400	Grading Textured Surfaces with Automated Soft Clustering in a Supervised SOM	J. Martin-Herrero, M. Ferreiro-Arman, J.L. Alba-Castro	Oral
	276	Textures and Wavelet-Domain Joint Statistics	Zohreh Azimifar, Paul Fieguth, Ed Jernigan	Oral
14:00	Session 11 - Video Processing and Analysis			
	315	A Multi-Expert Approach for Shot Classification in News Videos	M. De Santo, G. Percannella, C. Sansone, M. Vento	Oral
	191	Motion-compensated Wavelet Video Denoising	Fu Jin, Paul Fieguth and Lowell Winger	Oral
	351	Alpha-stable noise reduction in video sequences	Mohammed El Hassouni and Hocine Chérifi	Oral
	288	Hidden Markov Model Based Events Detection in Soccer Video	Guoying Jin, Linmi Tao, Xinghua Sun, and Guangyou Xu	Oral
14:00	Session 12 - Motion Analysis			

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Time	ID	Title	Author(s)	Type	
	386	Estimation of common groundplane based on co-motion statistics	Zoltan Szlavik , Laszlo Havasi , Tamas Sziranyi	Oral	
	167	An Adaptive Estimation Method for Rigid Motion Parameters of 2D Curves	Turker Sahin and Mustafa Unel	Oral	
	272	Classifiers Combination for Improved Motion Segmentation	Ahmad H. Al-Mazeed, Mark S. Nixon and Steve R. Gunn	Oral	
	257	A Pipelined Real-time Optical Flow Algorithm	Miguel V. Correia, Aurélio Campilho	Oral	
16:00	Poster Session 2				Topic
	371	Comparative frameworks for directional primitive extraction	M. Penas, M. J. Carreira, M. G. Penedo, M. Mirmehdi and B. T. Thomas	Poster	Image Processing and Analysis
	425	Dynamic Content Adaptive Super-Resolution	Mei Chen	Poster	Image Processing and Analysis
	201	Efficient Classification Method for Autonomous Driving Application	Pangyu Jeong, Sergiu Nedevschi	Poster	Image Processing and Analysis
	87	Evaluation of some reordering techniques for image VQ index compression	António R. C. Paiva and Armando J. Pinho	Poster	Image and Video Coding
	144	Adaptive Methods for Motion Characterization and Segmentation of MPEG Compressed Frame Sequences	C. Dulaverakis, S. Vagionitis, M. Zervakis, E. Petrakis	Poster	Image and Video Coding
	157	On the Automatic Creation of Customized Video Content	José San Pedro, Nicolas Denis, Sergio Domínguez	Poster	Image and Video Coding
	84	A Novel Shape Descriptor Based on Interrelation Quadruplet	Dongil Han, Bum-Jae You, Sang-Rok Oh	Poster	Shape and Matching
	329	An Efficient Representation of Hand Sketch Graphic Messages Using Recursive Bezier Curve Approximation	Jaehwa Park and Young-Bin Kwon	Poster	Shape and Matching
	335	Contour Description through Set Operations on Dynamic Reference Shapes	Miroslav Koprnicky, Mohamed Kamel, Maher Ahmed	Poster	Shape and Matching
	210	An algorithm for efficient and exhaustive template matching	Luigi Di Stefano, Stefano Mattoccia, Federico Tombari	Poster	Shape and Matching
	102	Modelling of Overlapping Circular Objects Based on Level Set Approach	Eva Dejnozkova and Petr Dokladal	Poster	Shape and Matching
	66	A method for dominant points detection and matching 2d object identification	A. Carmona-Poyato; N.L. Fernandez-Garcia; R. Medina-Carnicer; F.J. Madrid-Cuevas	Poster	Shape and Matching
	168	Character Recognition Using Canonical Invariants	Sema Doguscu, Mustafa Unel	Poster	Image Description and Recognition
	150	Finding significant points for a handwritten classification task	Juan Ramón Rico-Juan; Luisa Micó	Poster	Image Description and Recognition
	129	The System for Handwritten Symbol and Signature Recognition Using FPGA Computing	R. Sadykhov, L.Podenok, V. Samokhval, A. Uvarov	Poster	Image Description and Recognition

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Time	ID	Title	Author(s)	Type	
	194	Automatic Text Extraction in Digital Video based on Motion Analysis	Duarte Palma, João Ascenso, Fernando Pereira	Poster	Video Processing and Analysis
	332	Fast Video Registration Method for Video Quality Assessment	Jihwan Choe and Chulhee Lee	Poster	Video Processing and Analysis
	112	Robust Fitting of a Point Distribution Model of the Prostate using Genetic Algorithms	Fernando Arambula Cosio	Poster	Biomedical Applications
	345	A combinatorial color edge detector	Soufiane rital and Hocine Cherifi	Poster	Colour Analysis
	261	Video Segmentation through Multiscale Texture Analysis	Miguel Alemán-Flores and Luis Álvarez-León	Poster	Texture Analysis
	130	De-interlacing Algorithm Based on Motion Objects	Junxia Gu, Xinbo Gao	Poster	Motion Analysis
	388	Automatic Selection of Training Samples for Multitemporal Image Classification	Thiago Broerman Cazes, Raul Queiroz Feitosa, Guilherme Lucio Abelha Mota	Poster	Motion Analysis
	217	Parallel Computation of Optical Flow	Antonio G. Dopico, Miguel V. Correia, Jorge A. Santos, Luis M. Nunes	Poster	Motion Analysis
	237	Lipreading Using Recurrent Neural Prediction Model	Takuya Tsunekawa, Kazuhiro Hotta and Haruhisa Takahashi	Poster	Motion Analysis
	73	Multi-Model Adaptive Estimation for Nonuniformity Correction of Infrared Image Sequences	Jorge E. Pezoa, Sergio N. Torres	Poster	Motion Analysis
	148	Robust Tracking and Object Classification towards Automated Video Surveillance	Jose-Luis Landabaso, Li-Qun Xu, Montse Pardas	Poster	Surveillance and Remote Sensing
	128	Detection of Vehicles in a Motorway Environment by Means of Telemetric and Visual Data	Sonia Izri, Eric Brassart, Laurent Delahoche, Arnaud Clémentin, Bruno Marhic	Poster	Surveillance and Remote Sensing
	155	High Quality-Speed Dilemma: a Comparison between Segmentation Methods for Traffic Monitoring Applications	Alessandro Bevilacqua, Luigi Di Stefano, Alessandro Lanza	Poster	Surveillance and Remote Sensing
	328	Automatic Recognition of Impact Craters on the Surface of Mars	T. Barata, E.I. Alves, J. Saraiva, P. Pina	Poster	Surveillance and Remote Sensing
	294	Classification of Dune Vegetation from Remotely Sensed Hyperspectral Images	Steve De Backer, Pieter Kempeneers, Walter Debruyn, Paul Scheunders	Poster	Surveillance and Remote Sensing
	140	SAR Image Classification based on Immune Clonal Feature Selection	Xiangrong Zhang, Tan Shan, and Licheng Jiao	Poster	Surveillance and Remote Sensing
	56	Depth Extraction System Using Stereo pairs	Rizwan Ghaffar, Dr Noman Jafri, Dr Shoab Ahmed Khan	Poster	Surveillance and Remote Sensing
	82	Fast Moving Region Detection Scheme in Ad-hoc Sensor Network	Yazhou Liu	Poster	Surveillance and Remote Sensing
	302	A Speaker Tracking Algorithm Based on Audio and Visual Information Fusion Using Particle Filter	Xin Li, Luo Sun, Linmi Tao, Guangyou Xu	Poster	Tracking
	292	Kernel-bandwidth Adaptation for Tracking Object Changing in Size	Ning-Song Peng, Jie Yang, Jia-Xin Chen	Poster	Tracking

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Time	ID	Title	Author(s)	Type	
	408	Tracking Algorithms Evaluation in Feature Points Image Sequences	Vanessa Robles, Enrique Alegre and Jose M. Sebastian	Poster	Tracking
	420	Short-term Memory-based Object Tracking	Hang-Bong Kang and Sang-Hyun Cho	Poster	Tracking
	175	Real Time Multiple Object Tracking Based on Active Contours	Sébastien Lefèvre, Nicole Vincent	Poster	Tracking
	363	An Object Tracking Algorithm Combining Different Cost Functions	D. Conte, P. Foggia, C. Guidobaldi, A. Limongiello, M. Vento	Poster	Tracking
	125	Vehicle Tracking at Traffic Scene with Modified RLS	Hadi Sadoghi Yazdi, Mojtaba Lotfizad, Mahmood Fathy	Poster	Tracking
17:00	Session 13 - Surveillance and Remote Sensing				
	227	A MRF Based Segmentation Approach to Classification using Dempster Shafer Fusion for Multisensor Imagery	A.Sarkar, N.Banerjee, P. Nair, A.Banerjee, S.Brahma, B.Kartikeyan and K. L.Majumder	Oral	
	293	Regularized RBF Networks for Hyperspectral Data Classification	G. Camps-Valls, A. J. Serrano-López, L. Gómez-Chova, J. D. Martín-Guerrero, J. Calpe-Maravilla, J. Moreno	Oral	
	154	A Change-Detection Algorithm Enabling Intelligent Background Maintenance	Luigi Di Stefano, Stefano Mattoccia, Martino Mola	Oral	
	333	Dimension Reduction and Pre-Emphasis for Compression of Hyperspectral Images	C. Lee, E. Choi, J. Choe, and T. Jeong	Oral	
	394	Viewpoint Independent Detection of Vehicle Trajectories and Lane Geometry from Uncalibrated Traffic Surveillance Cameras	José Melo, Andrew Nafel, Alexandre Bernardino, José Santos-Victor	Oral	
17:00	Session 14 - Tracking				
	300	LOD Canny Edge based Boundary Edge Selection for Human Body Tracking	Jihun Park, Tae-Yong Kim, Sunghun Park	Oral	
	303	Object Boundary Edge Selection for Accurate Contour Tracking Using Multi-level Canny Edges	Tae-Yong Kim, Jihun Park, Seong-Whan Lee	Oral	
	262	Reliable Dual-Band Based Contour Detection: A Double Dynamic Programming Approach	Mohammad Dawood, Xiaoyi Jiang, Klaus P Schäfers	Oral	
	318	Tracking Pedestrians under Occlusion using Multiple Cameras	Jorge Batista	Oral	
	390	Application of Radon Transform to Lane Boundaries Tracking	R. Nourine, M. Elarbi Boudihir, S. F. Khelifi	Oral	
October 1, 2004					
10:30	Session 15 - 3D Imaging				
	298	Improving Height Recovery from a Single Image of a Face Using Local Shape Indicators	Mario Castelán and Edwin Hancock	Oral	

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	251	Recovery of Surface Height From Diffuse Polarisation	Gary Atkinson, Edwin Hancock	Oral
	74	Vectorization-Free Reconstruction of 3D CAD Models from Paper Drawings	Frank Ditrich, Herbert Suesse, Klaus Voss	Oral
	62	Plane segmentation from two views in reciprocal-polar image space	ZeZhi Chen, Nick Pears, Bojian Liang and John McDermid	Oral
	409	Tracking of points in a calibrated and noisy image sequence	Domingo Mery, Felipe Ochoa and Rene Vidal	Oral
	264	Multiresolution Approach to "Visual Pattern" Partitioning of 3D Images	Raquel Dosil, Xosé R. Fdez-Vidal and Xosé M. Pardo	Oral
	187	Visual cortex frontend: integrating lines, edges, keypoints and disparity	João Rodrigues and J.M.Hans du Buf	Oral
10:30	Session 16 - Face Detection and Recognition			
	53	Understanding In-Plane Face Rotations Using Integral Projections	Henry Nicponski	Oral
	296	Feature fusion based face recognition using EFM	Dake Zhou and Xin Yang	Oral
	330	Real-time Facial Feature Extraction by Cascaded Parameter Prediction and Local Optimization	Fei Zuo and Peter H. N de With	Oral
	355	Frontal Face authentication through creaseness-driven Gabor jets	Daniel González-Jiménez and José L. Alba-Castro	Oral
	393	A Coarse-to-Fine classification Scheme for Facial Expression Recognition	Xiaoyi Feng	Oral
	412	Fast Face Detection Using QuadTree based Color Analysis and Support Vector Verification	Shu-Fai WONG and Kwan-Yee Kenneth WONG	Oral
	186	Three-Dimensional Face Recognition: A Fishersurface Approach	Thomas Heseltine, Nick Pears, Jim Austin	Oral
14:00	Session 17 - Image Retrieval and Indexing			
	325	Accelerating Multimedia Search by Visual Features	Galinski G., Wnukowicz K., Skarbek W.	Oral
	405	Semantic Browsing and Retrieval in Image Libraries	Andrea Kutics, Akihiko Nakagawa	Oral
	265	Robust Shape Retrieval Using Maximum Likelihood Theory	Naif Alajlan and Paul Fieguth	Oral
	238	A Novel Shape Feature for Image Classification and Retrieval	Rami Rautkorpi, Jukka Iivarinen	Oral
	248	A Local Structure Matching Approach for Large Image Database Retrieval	Yanling Chi, Maylor K. H. Leung	Oral

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14:00	Session 18 - Security Systems				
	80	Fingerprint Enhancement Using Circular Gabor Filter	En ZHU, Jianping YIN, Guomin ZHANG	Oral	
	429	A Secure and Localizing Watermarking Technique For Image Authentication	Abdelkader H. Ouda and Mahmoud R. El-Sakka	Oral	
	77	Inter-Frame Differential Energy Video Watermarking Algorithm Based on Compressed Domain	Lijun Wang	Oral	
	353	Improving DTW for On-Line Handwritten Signatures Verification	M. Wirocius, J.Y. Ramel, N. Vincent	Oral	
	185	Distributing of watermark according to image complexity for higher stability	Mansour Jamzad, Farzin Yaghmaee	Oral	
16:00	Poster Session 3				Topic
	142	Reconstruction of Order Parameters based on Immunity Clonal Strategy for Image Classification	Xiuli Ma and Licheng Jiao	Poster	Image Description and Recognition
	401	Visual Object Recognition through One-Class Learning	QingHua Wang, Luis Seabra Lopes	Poster	Image Description and Recognition
	317	Semantic Image Analysis based on the Representation of the Spatial Relations between Objects in Images	Miyong Cho, Hyunjang Kong, Pankoo Kim	Poster	Image Description and Recognition
	138	Ridgelets Frame	Tan Shan and Jiao Li-cheng	Poster	Image Description and Recognition
	172	Adaptive curve feature detection based on ridgelet	Kang Liu and Licheng Jiao	Poster	Image Description and Recognition
	166	Globally Stabilized 3L Curve Fitting	Turker Sahin and Mustafa Unel	Poster	Image Description and Recognition
	136	Learning an Information Theoretic Transform for Object Classification	Guoping Qiu and Jianzhong Fang	Poster	Image Description and Recognition
	435	Image Object Localisation by AdaBoost Classifier	Wladyslaw Skarbek, Krzysztof Kucharski	Poster	Image Description and Recognition
	197	Cost and Information-Driven Algorithm Selection	Mauricio Marengoni, Allen Hanson, Shlomo Zilberstein, Edward Riseman	Poster	Image Description and Recognition
	228	Gestures Recognition for Human-Robot Interaction Through a Knowledge Based Software Platform	Md. Hasanuzzaman	Poster	Image Description and Recognition
	105	Appearance-based object detection in space-variant images: a multi-model approach	V. Javier Traver, Alexandre Bernardino, Plinio Moreno, José Santos-Victor	Poster	Image Description and Recognition
	307	3D Object Recognition from Appearance: PCA vs ICA approaches	M.Asuncion Vicente, Cesar Fernandez, Oscar Reinoso	Poster	Image Description and Recognition
	384	A Stochastic Search Algorithm to Optimize an N-tuple Classifier by Selecting Its Inputs	M.A. Hannan Bin Azhar, Dr. Keith Dimond	Poster	Image Description and Recognition

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	162	Estimation of directional and ambient illumination parameters by means of a calibration object	Alberto Ortiz and Gabriel Oliver	Poster	3D Imaging
	57	Environment Authentication through 3D Structural Analysis	Toby P. Breckon and Robert B. Fisher	Poster	3D Imaging
	256	Camera Calibration using Two Concentric Circles	Francisco Abad, Emilio Camahort, Roberto Vivó	Poster	3D Imaging
	64	Three-Dimensional Object Recognition Using a Modified Exoskeleton and Extended Hausdorff Distance Matching Algorithm	Rajalida Lipikorn, Akinobu Shimizu, Hidefumi Kobatake	Poster	3D Imaging
	381	Recognition of 3D Object from One Image based on Projective and Permutative Invariants	JM. González, JM. Sebastián, D. García, F. Sánchez, and L. Angel	Poster	3D Imaging
	206	Wide Baseline Stereo Matching by Corner-Edge-Regions	Jun Xie and Hung-tat Tsui	Poster	3D Imaging
	249	Gradient Based Dense Stereo Matching	Tomasz Twardowski, Boguslaw Cyganek, Jan Borgosz	Poster	3D Imaging
	369	People recognition in image sequences using using a 3D articulated object	jean-charles ATINE	Poster	Image Retrieval and Indexing
	430	CVPIC compressed domain image retrieval by colour and shape	Gerald Schaefer and Simon Lieutaud	Poster	Image Retrieval and Indexing
	189	Automating GIS Image Retrieval based on MCM	Adel Hafiane and Bertrand Zavidovique	Poster	Image Retrieval and Indexing
	383	Significant Perceptual Regions by Active Nets	David García-Pérez, Antonio Mosquera, Marcos Ortega, M.G. Penedo	Poster	Image Retrieval and Indexing
	331	Improving the Boosted Correlogram	Nicholas R. Howe & Amanda Ricketson	Poster	Image Retrieval and Indexing
	397	Distance Map Retrieval	Laszlo Czuni, Dezso Csordas, Gergely Csaszar	Poster	Image Retrieval and Indexing
	134	Grass Field Segmentation, the First Step toward Player Tracking, Deep Compression and Content Based Football Image Retrieval	Kaveh Kangarloo and Ehsanollah Kabir	Poster	Image Retrieval and Indexing
	59	Spatio-Temporal Primitive Extraction Using Hermite and Laguerre Filters for Early Vision Video Indexing	Carlos Joel Rivero-Moreno , Stéphane Bres	Poster	Image Retrieval and Indexing
	301	Non-Parametric Performance Comparison in Pictorial Query by Content Systems	Sergio Domínguez	Poster	Image Retrieval and Indexing
	313	Face recognition using improved-LDA	Dake Zhou and Xin Yang	Poster	Face Detection and Recognition
	416	Analysis and Recognition of Facial Expression Based on Point-wise Motion Energy	Hanhoon Park, Jong-Il Park	Poster	Face Detection and Recognition
	245	Face Class Modeling Using Mixture of SVMs	Julien Meynet, Vlad Popovici and Jean-Philippe Thiran	Poster	Face Detection and Recognition
	359	Comparing Robustness of Two-Dimensional PCA and Eigenfaces for Face Recognition	Muriel VISANI, Christophe GARCIA and Christophe LAURENT	Poster	Face Detection and Recognition

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	109	Face Recognition with Generalized Entropy Measurements	Yang Li and Edwin R. Hancock	Poster	Face Detection and Recognition
	100	A Hardware Implementation of Fingerprint Verification for Secure Biometric Authentication Systems	Yongwha Chung, Daesung Moon, Sung Bum Pan, Min Kim, Kichul Kim	Poster	Security Systems
	431	On-Line Sauter Diameter Measurement of Air Bubbles and Oil Drops in Stirred Bioreactors by Using Hough Transform	Vega-Alvarado L., Cordova M. S., Taboada B. , Galindo E., and Corkidi G.	Poster	Visual Inspection
	341	Defect Detection in Textile Images using Gabor Filters	Ceu L. Beirao and Mario A. T. Figueiredo	Poster	Visual Inspection
17:00	Session 19 - Morphology				
	126	Hierarchical watersheds with inter-pixel boundaries	Luc Brun and Philippe Vautrot and Fernand Meyer	Oral	
	54	From Min Tree to Watershed Lake Tree--Theory	Xiaoqiang Huang, Mark Fisher	Oral	
	116	From Min Tree to Watershed Lake Tree--Evaluation	Xiaoqiang Huang, Mark Fisher	Oral	
	373	Optimizing Texture Primitives Description using Variography and Mathematical Morphology	Assia Kourgli and Aichouche Belhadj-aissa	Oral	
17:00	Session 20 - Visual Inspection				
	356	Comparison of Intelligent Classification Techniques Applied to Marble Classification	J. M. C. Sousa and J. R. Caldas Pinto	Oral	
	111	Inspecting Colour Tonality on Textured Surfaces	Xianghua Xie, Majid Mirmehdi, and Barry Thomas	Oral	
	337	Automated visual inspection of glass bottles using adapted median filtering	Domingo Mery and Olaya Medina	Oral	
	344	Neuro-Fuzzy Method for Automated Defect Detection in Aluminium Castings	Sergio Hernández, Doris Sáez, Domingo Mery	Oral	
	350	Geometric Surface Inspection of Raw Milled Steel Blocks	Ingo Reindl, Paul O'Leary	Oral	