

ICIAR 2006 Program Details

September 17, 2006 (Sunday)

16:00-19:00 Registration

September 18, 2006 (Monday)

8:00-17:00 Registration

8:45 Welcome

9:00 Invited Talk

Self-Organizing Trees and Forests: A Powerful Tool in Pattern Clustering and Recognition

Ling Guan

10:00 Coffee Break

| Paper ID | Title | Authors | Type |
|---|--|--|------|
| 10:30 Session MOS01 - Image Restoration and Enhancement | | | |
| 274 | General Adaptive Neighborhood Image Restoration, Enhancement and Segmentation | Johan Debayle, Yann Gavet, Jean-Charles Pinoli | Oral |
| 608 | Frozen-State Hierarchical Annealing | Wesley R. Campaigne, Paul Fieguth, Simon K. Alexander | Oral |
| 292 | Rank-Ordered Differences Statistic Based Switching Vector Filter | Guillermo Peris-Fajarnés, Bernardino Roig, Anna Vidal | Oral |
| 462 | Mathematical analysis of "phase ramping" for super-resolution magnetic resonance imaging | Gregory S. Mayer, Edward R. Vrscay | Oral |
| 10:30 Session MOS02 - Pattern Recognition for Image Analysis | | | |
| 473 | Using Local Integral Invariants for Object Recognition in Complex Scenes | Alaa Halawani, Hashem Tamimi, Hans Burkhardt, Andreas Zell | Oral |
| 335 | Sharing visual features for animal categorization: an empirical study | Manuel J. Marín-Jiménez, Nicolás Pérez de la Blanca | Oral |
| 591 | Object Categorization using Kernels combining Graphs and Histogram of Gradients | F. Suard, A. Rakotomamonjy, A. Benschrair | Oral |
| 334 | A Graph Spectral Approach to Consistent Labelling | Hongfang Wang, Edwin R. Hancock | Oral |
| 12:00 Lunch Break | | | |
| 14:00 Session MOS03 - Image Segmentation | | | |
| 276 | A Shape-Based Approach to Robust Image Segmentation | Samuel Dambreville, Yogesh Rathi, Allen Tannenbaum | Oral |
| 514 | Novel Statistical Approaches to the Quantitative Combination of Multiple Edge Detectors | Stamatia Giannarou, Tania Stathaki | Oral |
| 445 | Bio-inspired motion-based object segmentation | Sonia Mota, Eduardo Ros, Javier Díaz, Rodrigo Agis, F. de Toro | Oral |
| 252 | An effective and fast scene change detection algorithm for MPEG compressed videos | Z. Li, J. Jiang, G. Xiao, H. Fang | Oral |

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| 14:00 Session MOS04 - Computer Vision | | | | | |
|---------------------------------------|-----|--|--|--------|--|
| | 323 | Depth Recovery from Motion and Defocus Blur | Huei-Yung Lin, Chia-Hong Chang | Oral | |
| | 367 | Using Cartesian Models of Faces with a Data-driven and Integrable Fitting Framework | Mario Castelan, Edwin R. Hancock | Oral | |
| | 427 | Model based selection and classification of local features for recognition using Gabor filters | Plinio Moreno, Alexandre Bernardino, José Santos-Victor | Oral | |
| 15:30 Poster Session MPS01 | | | | Topic | |
| | 328 | An Efficient Post-processing Using DCT Domain Projections Onto Convex Sets | Changhoon Yim | Poster | Image restoration and enhancement |
| | 562 | Blind Blur Estimation using Low Rank Approximation of Cepstrum | Adeel Bhutta, Hassan Foroosh | Poster | Image restoration and enhancement |
| | 348 | An Image Interpolation Scheme For Repetitive Structures | Hiệp Luong, Alessandro Ledda, Wilfried Philips | Poster | Image restoration and enhancement |
| | 506 | A Discontinuous Finite Element Method for Image Denoising | Zhaozhong Wang, Feihu Qi, Fugen Zhou | Poster | Image restoration and enhancement |
| | 458 | An edge-preserving multigrid-like technique for image denoising | Carolina Toledo Ferraz, Luis Gustavo Nonato, José Alberto Cuminato | Poster | Image restoration and enhancement |
| | 246 | Fuzzy Bilateral Filtering for Color Images | Samuel Morillas, Valentin Gregori, Almanzor Sapena | Poster | Image restoration and enhancement |
| | 217 | MPEG Postprocessing System Using Edge Signal Variable Filter | Chan-Ho Han, Suk-Hwan Lee, Seong-Geun Kwon, Ki-Ryong Kwon, Dong Kyue Kim | Poster | Image restoration and enhancement |
| | 419 | DCT-Domain Predictive Coding Method for Video Compression | Kook-yeol Yoo | Poster | Image restoration and enhancement |
| | 346 | Computational Framework for Family of Order Statistic Filters for Tensor Valued Data | Boguslaw Cyganek | Poster | Image restoration and enhancement |
| | 577 | Gaussian noise removal by color morphology and polar color models | Francisco Ortiz | Poster | Image restoration and enhancement |
| | 442 | Alternative Approaches and Algorithms for Classification | Askin Demirkol, Zafer Demir, Erol Emre | Poster | Pattern Recognition for Image Analysis |
| | 523 | A Pool of Classifiers by SLP: A multi-class case | S. Raudys, V. Denisov, A. Bielskis | Poster | Pattern Recognition for Image Analysis |
| | 417 | Gesture Recognition using a Marionette Model and Dynamic Bayes Nets (DBNs) | Jorg Rett, Jorge Dias | Poster | Pattern Recognition for Image Analysis |
| | 555 | Ant Based Fuzzy Modeling Applied to Marble Classification | Susana M. Vieira, João M. C. Sousa, João R. Caldas Pinto | Poster | Pattern Recognition for Image Analysis |
| | 426 | Integration of Expert Knowledge and Image Analysis Techniques for Medical Diagnosis | P. Spyridonos, E.I. Papageorgiou, P.P. Groumpos, G.N. Nikiforidis | Poster | Pattern Recognition for Image Analysis |
| | 247 | Accurate Contour Detection Based on Snakes for Objects with Boundary Concavities | Shin-Hyoung Kim, Ashraf Alattar, Jong Whan Jang | Poster | Image Segmentation |
| | 457 | Graph-Based Spatio-Temporal Region Extraction | Eric Galmar, Benoit Huet | Poster | Image Segmentation |
| | 390 | Performance Evaluation of Image Segmentation | Fernando C. Monteiro, Aurélio C. Campilho | Poster | Image Segmentation |
| | 399 | Improvement of Image Transform Calculation based on a Weighted Primitive | María Teresa Signes Pont, Juan Manuel García Chamizo, Higinio Mora Mora, Gregorio de Miguel Casado | Poster | Image Segmentation |
| | 360 | Topological Active Nets Optimization Using Genetic Algorithms | O. Ibáñez, N. Barreira, J. Santos, M. G. Penedo | Poster | Image Segmentation |

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|--------------|--|--|--|--------|---|
| | 467 | An Evaluation Measure of Image Segmentation Based on Object Centres | J.J. Charles, L.I. Kuncheva, B. Wells, I.S. Lim | Poster | Image Segmentation |
| | 511 | Active Shape Model Based Segmentation and Tracking of Facial Regions in Color Images | Bogdan Kwolek | Poster | Image Segmentation |
| | 403 | A Simple Method for Designing 2D M -channel Near-PR Filter Banks with Linear Phase Property | Guangming Shi, Liang Song, Xuemei Xie, Danhua Liu | Poster | Image and Video Processing and Analysis |
| | 469 | Fast Hermite Projection Method | Andrey Krylov, Danil Korchagin | Poster | Image and Video Processing and Analysis |
| | 637 | Image denoising using the Lyapunov equation from non uniform samples | João M. Sanches, Jorge S. Marques | Poster | Image and Video Processing and Analysis |
| | 337 | New Method for Fast Detection and Removal of Impulsive Noise using Fuzzy Metrics | Joan-Gerard Camarena, Valentín Gregori, Samuel Morillas, Guillermo Peris-Fajarnés | Poster | Image and Video Processing and Analysis |
| | 236 | Real Time Sobel Square Edge Detector for Night Vision Analysis | Ching Wei Wang | Poster | Image and Video Processing and Analysis |
| | 584 | A new video images Text Localization approach based on a fast Hough transform | Bassem Bouaziz, Walid Mahdi, Abdelmajid ben Hamadou | Poster | Image and Video Processing and Analysis |
| | 502 | Video Sequence Matching Using Singular Value Decomposition | Kwang-Min Jeong, Joon-Jae Lee, Yeong-Ho Ha | Poster | Image and Video Processing and Analysis |
| | 170 | The Papoulis-Gerchberg Algorithm with Unknown Signal Bandwidth | Manuel Marques, Alexandre Neves, Jorge S. Marques, João Sanches | Poster | Image and Video Processing and Analysis |
| 17:00 | Session MOS05 - Image and Video Processing and Analysis | | | | |
| | 374 | On the Adaptive Impulsive Noise Attenuation in Color Images | Bogdan Smolka | Oral | |
| | 587 | Posterior Sampling of Scientific Images | Azadeh Mohebi, Paul Fieguth | Oral | |
| | 241 | Background Subtraction Framework Based on Local Spatial Distributions | Pierre-Marc Jodoin, Max Mignotte, Janusz Konrad | Oral | |
| | 358 | Morphological Image Interpolation to Magnify Images with Sharp Edges | Valérie De Witte, Stefan Schulte, Etienne E. Kerre, Alessandro Ledda, Wilfried Philips | Oral | |
| 17:00 | Session MOS06 - Biometrics | | | | |
| | 413 | Is enough enough? What is sufficiency in biometric data? | Galina V. Veres, Mark S. Nixon, John N. Carter | Oral | |
| | 452 | Improving Minutiae Detection in Fingerprints Using Multiresolution Contrast Enhancement | Angelo Chianese, Vincenzo Moscato, Antonio Penta, Antonio Picariello | Oral | |
| | 350 | Face and Ear: A Bimodal Identification System | Andrea F. Abate, Michele Nappi, Daniel Riccio | Oral | |
| | 286 | Comparison of Novel Dimension Reduction Methods in Face Verification | Licesio J. Rodríguez-Aragón, Cristina Conde, Enrique Cabello | Oral | |
| 19:00 | Reception | | | | |

ICIAR 2006 Program Details

September 19, 2006 (Tuesday)

| 8:00-17:00 Registration | | | | |
|---|--|--|--|------|
| 9:00 Invited Talk | | | | |
| | On Optimizing Dissimilarity-based Classification Using Prototype Reduction Schemes | | B. John Oommen | |
| 10:00 Coffee Break | | | | |
| Paper ID | Title | | Authors | Type |
| 10:30 Session TOS07 - Image and Video Coding and Encryption | | | | |
| 491 | Continuous evolution of fractal transforms and nonlocal PDE imaging | | Edward R. Vrscay | Oral |
| 475 | Fracal image coding as projections onto convex sets | | Mehran Ebrahimi, Edward R. Vrscay | Oral |
| 424 | A Permutation-Based Correlation-Preserving Encryption Method for Digital Videos | | Daniel Socek, Hari Kalva, Spyros S. Magliveras, Oge Marques, Dubravko Culibrk, Borko Furht | Oral |
| 456 | Blind PSNR estimation of video sequences, through non-uniform quantization watermarking | | Tomas Brandão, Paula Queluz | Oral |
| 10:30 Session TOS08 - Shape and Matching | | | | |
| 333 | Spanning Trees from the Commute Times of Random Walks on Graphs | | Huaijun Qiu, Edwin R. Hancock | Oral |
| 361 | On a Polynomial Vector Field Model for Shape Representation | | Mickael Chekroun, Jerome Darbon, Igor Ciril | Oral |
| 341 | Shape recognition via an a contrario model for size functions | | Andrea Cerri, Daniela Giorgi, Pablo Musé, Frédéric Sur, Federico Tomassini | Oral |
| 12:00 Lunch Break | | | | |
| 14:00 Session TOS09 - Motion Analysis | | | | |
| 244 | Global Motion Estimation: Feature-based, Featureless, or Both?! | | Rui F. C. Guerreiro, Pedro M. Q. Aguiar | Oral |
| 530 | Background Updating with the use of Intrinsic Curves | | Joaquin Salas, Pedro Martinez, Jordi Gonzalez | Oral |
| 302 | Towards a New Paradigm for Motion Extraction | | Luc Florack, Bart Janssen, Frans Kanthers, Remco Duits | Oral |
| 560 | Optic Flow from Multi-Scale Dynamic Anchor Point Attributes | | B.J. Janssen, L.M.J. Florack, R. Duits, B.M. ter Haar Romeny | Oral |
| 14:00 Session TOS10 - Image Retrieval and Indexing I | | | | |
| 569 | Naming of Image Regions for User-friendly Image Retrieval | | Andrea Kutics, Akihiko Nakagawa | Oral |
| 595 | Shape Retrieval using Shape Contexts and Cyclic Dynamic Time Warping | | Vicente Palazón, Andrés Marzal | Oral |
| 455 | Topological Active Nets for Object-Based Image Retrieval | | David Garcia-Perez, Stefano Berretti, Antonio Mosquera, Alberto Del Bimbo | Oral |
| 385 | Iterative 3-D Pose Correction and Content-based Image Retrieval for Dorsal Fin Recognition | | J. Stewman, K. Debure, S. Hale, A. Russell | Oral |

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| 15:30 Poster Session TPS02 | | | | Topic |
|--------------------------------|--|--|--------|---------------------------------------|
| 423 | A Fast Algorithm for Macroblock Mode Selection in H.264 Video Coding | Donghyung Kim, Jongho Kim, Seungjong Kim, Jechang Jeong | Poster | Image and Video Coding and encryption |
| 376 | Visual Secret Sharing Scheme: Improving the Contrast of a Recovered Image via Different Pixel Expansions | Ching-Nung Yang, Tse-Shih Chen | Poster | Image and Video Coding and encryption |
| 512 | Simple detection method and compensation filter to remove corner outlier artifacts | Jongho Kim, Donghyung Kim, Jechang Jeong | Poster | Image and Video Coding and encryption |
| 265 | JPEG2000-Based Resolution- and Rate-Constrained Layered Image Coding | Jing-Fung Chen, Wen-Jyi Hwang, Mei-Hwa Liu | Poster | Image and Video Coding and encryption |
| 535 | A Fast Scheme for Converting DCT Coefficients to H.264/AVC Integer Transform Coefficients | Gao Chen, Shouxun Lin, Yongdong Zhang | Poster | Image and Video Coding and encryption |
| 282 | A Fast Full Search Algorithm for Motion Estimation Using Priority of Matching Scan | Taekyung Ryu, Gwang Jung, Jongnam Kim | Poster | Image and Video Coding and encryption |
| 463 | A Stable Marriages Algorithm to Optimize Satisfaction and Equity | Nikom Suvonvorn, Bertrand Zavidovique | Poster | Shape and Matching |
| 271 | A Novel Approach for Affine Point Pattern Matching | Herbert Suesse, Wolfgang Ortmann, Klaus Voss | Poster | Shape and Matching |
| 411 | Geometric Invariant Curve and Surface Normalization | Sait Sener, Mustafa Unel | Poster | Shape and Matching |
| 605 | Estimating 3D Facial Shape and Motion from Stereo Image Using Active Appearance Models With Stereo Constraints | Jaewson Sung, Daijin Kim | Poster | Shape and Matching |
| 219 | Approximation of a Polyline With a Sequence of Geometrical Primitives | Eugene Bodansky, Alexander Gribov | Poster | Shape and Matching |
| 338 | Fast Motion Estimation using spatio temporal filtering | V. Bruni, D. De Canditiis, D. Vitulano | Poster | Motion Analysis |
| 496 | Optical flow based frame interpolation of ultrasound images | Tae-Jin Nam, Rae-Hong Park, Jae-Ho Yun | Poster | Motion Analysis |
| 541 | An Iterative Multiresolution Scheme for SFM | Carme Julià, Angel Sappa, Felipe Lumbreras, Joan Serrat, Antonio López | Poster | Motion Analysis |
| 245 | Occlusion-based Accurate Silhouettes from Video Streams | Pedro M. Q. Aguiar, António R. Miranda, Nuno de Castro | Poster | Motion Analysis |
| 543 | Inferring Stochastic Regular Grammar with Nearness Information for Human Action Recognition | Kyungeun Cho, Hyungje Cho, Kyhyun Um | Poster | Motion Analysis |
| 554 | Automatic Shot-change Detection Algorithm Based on Visual Rhythm Extraction | Kwang-Deok Seo, Seong Jun Park, Jin-Soo Kim, Samuel Moon-Ho Song | Poster | Image Retrieval and Indexing |
| 289 | QP_TR Trust Region Blob Tracking through Scale-space with Automatic Selection of Features | Jingping Jia, Qing Wang, Yanmei Chai, Rongchun Zhao | Poster | Tracking |
| 255 | Particle Filtering with Dynamic Shape Priors | Yogesh Rathi, Samuel Dambreville, Allen Tannenbaum | Poster | Tracking |
| 625 | A generic approach to object matching and tracking | Xiaokun Li, Chiman Kwan, Gang Mei, Baoxin Li | Poster | Tracking |
| 339 | A Robust Particle Filter-based Face Tracker Using Combination of Color and Geometric Information | Bogdan Raducanu, Jordi Vitria | Poster | Tracking |
| 17:00 Session TOS11 - Tracking | | | | |
| 330 | Towards Constrained Optimal 3D Tracking | Huiying Chen, Youfu Li | Oral | |
| 294 | A Novel Spatio-Temporal Approach to Handle Occlusions in Vehicle Tracking | Alessandro Bevilacqua, Stefano Vaccari | Oral | |
| 596 | Image Based Visual Servoing: A new method for the estimation of the Image Jacobian in dynamic environments | L. Pari, J.M. Sebastian, C. González, L. Angel | Oral | |
| 222 | The OBSERVER: An Intelligent and Automated Video Surveillance System | Duarte Duque, Henrique Santos, Paulo Cortez | Oral | |

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| 17:00 | Session TOS12 - Image Retrieval and Indexing II | | | |
|-------|---|---|---|------|
| | 266 | Feature Selection for Retrieval Purposes | Marco Reisert, Hans Burkhardt | Oral |
| | 305 | DCT-domain Image Retrieval via Block-Edge-Patterns | K.J. Qiu, J. Jiang, G. Xiao, S.Y. Irianto | Oral |
| | 309 | IntelliSearch: Intelligent Search for Images and Text on the Web | Epimenides Voutsakis, Euripides G.M. Petrakis, Evangelos Milios | Oral |
| | 621 | Visual Aspect: A Unified Content-Based Collaborative Filtering Model for Visual Document Recommendation | Sabri Boutemedjet, Djemel Ziou | Oral |
| 20:00 | Banquet | | | |

ICIAR 2006 Program Details

September 20, 2006 (Wednesday)

8:00-17:00 Registration

9:00 Invited Talk

Object Tracking

Mubarak Shah

10:00 Coffee Break

| Paper ID | Title | Authors | Type |
|----------|-------|---------|------|
|----------|-------|---------|------|

10:30 Session WOS13 - Applications I

| | | | |
|-----|--|---|------|
| 343 | Defect Detection in Random Colour Textures using the MIA T2 Defect Maps | Fernando Lopez, Jose-Manuel Prats, Alberto Ferrer, Jose-Miguel Valiente | Oral |
| 536 | Handwriting similarities as features for the characterization of writer's style invariants and image compression | Djamel Gaceb, Véronique Eglin, Stéphane Bres, Hubert Emptoz | Oral |
| 578 | NN Automated Defect Detection Based on Optimized Thresholding | Hugo Peres Castilho, João Rogério Caldas Pinto, António Limas Serafim | Oral |
| 372 | Pedestrian Detection Using Stereo and Biometric Information | Philip Kelly, Eddie Cooke, Noel O'Connor, Alan Smeaton | Oral |

10:30 Session WOS14 - Biomedical Image Analysis I

| | | | |
|-----|--|--|------|
| 368 | Real-Time Denoising of Medical X-Ray Image Sequences: Three Entirely Different Approaches | Marc Hensel, Thomas Pralow, Rolf-Rainer Grigat | Oral |
| 366 | Analysis of fuzzy clustering algorithms for the segmentation of burn wounds photographs | A. Castro, C. Bóveda, B. Arcay | Oral |
| 280 | Fully Automatic Determination of Morphological Parameters of Proximal Femur from Calibrated Fluoroscopic Images through Particle Filtering | Xiao Dong, Guoyan Zheng | Oral |
| 453 | Transmission Tomography Reconstruction Using Compound Gauss-Markov Random Fields and Ordered Subsets | A. López, J. M. Martín, R. Molina, A. K. Katsaggelos | Oral |

12:00 Lunch Break

14:00 Session WOS15 - Special Session on Remote Sensing

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|-----|---|--|------|
| 378 | Identification of Martian Polygonal Patterns Using the Dynamics of Watershed Contours | Pedro Pina, José Saraiva, Lourenço Bandeira, Teresa Barata | Oral |
| 635 | Fast Sparse Multinomial Regression Applied to Hyperspectral Data | Janete S. Borges, Jose M. Bioucas Dias, Andre R.S. Marcal | Oral |
| 439 | Hyperspectral Image Analysis for Precision Viticulture | Marcos Ferreiro-Armán, Jean-Pierre Da Costa, Saeid Homayouni, Julio Martín-Herrero | Oral |
| 641 | Geometric and radiometric improvement of an Ikonos panchromatic image using a digital surface model | Jose Gonçalves | Oral |

14:00 Session WOS16 - Special Session on Brain Imaging

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|-----|---|--|------|
| 422 | 3D Method of Using Spatial-Varying Gaussian Mixture and Local Information to Segment MR Brain Volumes | Zhigang Peng, Xiang Cai, William Wee, Jing-Huei Lee | Oral |
| 507 | Robust Ordering of Independent Spatial Components of fMRI Data Using Canonical Correlation Analysis | Wang Shijie, Luo Limin, Zhou Weiping | Oral |
| 533 | EpiGauss: spatio temporal characterization of epileptogenic activity applied to hypothalamic hamartomas | José Maria Fernandes, Alberto Leal, João Paulo Cunha | Oral |

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| 15:30 | Poster Session WPS03 | | | Topic |
|-------|---|---|--------|---------------------------|
| 540 | A Neural Network for Simultaneously Reconstruct Transparent and Opaque Surfaces | Mohamad Ivan Fanany, Itsuo Kumazawa | Poster | Computer Vision |
| 264 | A Light Scattering Model for Layered Rough Surfaces | Hossein Ragheb, Edwin R. Hancock | Poster | Computer Vision |
| 249 | Real time vehicle pose using on-board stereo vision system | Angel D. Sappa, David Gerónimo, Fadi Dornaika, Antonio López | Poster | Computer Vision |
| 566 | Uncalibrated Visual Servoing in 3D Workspace | Paulo J. Sequeira Goncalves, A. Paris, C. Christo, J.M.C. Sousa, J.R. Caldas Pinto | Poster | Computer Vision |
| 318 | A Real-time 3D Modeling System Using Multiple Stereo Cameras for Free-viewpoint Video Generation | Hansung Kim, Itaru Kitahara, Kiyoshi Kogure, Kwanghoon Sohn | Poster | Computer Vision |
| 237 | A Combined Radial Basis Function Model for Fingerprint Distortion | Xuefeng Liang, Tetsuo Asano, Hui Zhang | Poster | Biometrics |
| 301 | Automatic 3D Face Feature points extraction with Spin Images | Cristina Conde, Licesio J. Rodríguez-Aragón, Enrique Cabello | Poster | Biometrics |
| 362 | Face recognition by cortical multi-scale line and edge representations | Joao Rodrigues, J.M. Hans du Buf | Poster | Biometrics |
| 600 | Generic facial encoding for shape alignment with active models | W. Ivaldi, M. Milgram, S. Gentric | Poster | Biometrics |
| 240 | Ultra-Fast GPU Assisted Face Recognition Based on 3D Geometry and Texture Data | A. F. Abate, M. Nappi, S. Ricciardi, G. Sabatino | Poster | Biometrics |
| 459 | Face Recognition from Spatially-Morphed Video Sequences | R. Sebastião, Jorge A. Silva, A. J. Padilha | Poster | Biometrics |
| 451 | New characteristics for the classification of burns: experimental study | Irene Fondón, Begoña Acha, Carmen Serrano, Manuel Sosa | Poster | Biomedical Image Analysis |
| 371 | The Class Imbalance Problem in TLC Image Classification | António Varejão Sousa, Ana Maria Mendonça, Aurélio Campilho | Poster | Biomedical Image Analysis |
| 624 | Faster, More Accurate Diffusion Filtering for Fetal Ultrasound Volumes | Min-Jeong Kim, Hyun-Joo Yun, Myoung-Hee Kim | Poster | Biomedical Image Analysis |
| 283 | Analysis System of Endoscopic Image of Early Gastric Cancer | Kwang-Baek Kim, Sungshin Kim, and Gwang-Ha Kim | Poster | Biomedical Image Analysis |
| 607 | Multi-dimensional Visualization and Analysis of Cardiac MR Images during Long-term Follow-up | Min-Jeong Kim, Soo-Mi Choi, Yoo-Joo Choi, Myoung-Hee Kim | Poster | Biomedical Image Analysis |
| 389 | A multiclassifier approach for lung nodule classification | Carlos Pereira, Luis Alexandre, Ana Maria Mendonça, Aurélio Campilho | Poster | Biomedical Image Analysis |
| 594 | Digitisation and 3D reconstruction of 30 year old microscopic sections of human embryo, foetus and orbit | Joris E. van Zwieten, Charl P. Botha, Ben Willekens, Sander Schutte, Frits H. Post, Huib J. Simonsz | Poster | Biomedical Image Analysis |
| 253 | Skin lesion diagnosis using fluorescence images | Suhail M. Odeh, Eduardo Ros, Ignacio Rojas, Jose M. Palomares | Poster | Biomedical Image Analysis |
| 549 | Combining Template Matching and Model Fitting for Human Body Segmentation and Tracking with Applications to Sports Training | Hao-Jie Li, Shou-Xun Lin, Yong-Dong Zhang | Poster | Applications |
| 311 | Multi-font script identification using texture-based features | Andrew Busch | Poster | Applications |
| 377 | Comparison of region and edge segmentation approaches to recognize fish oocytes in histological images | S. Alen, E. Cernadas, A. Formella, R. Dominguez, F. Saborido-Rey | Poster | Applications |
| 468 | Fundamental Region Based Indexing and Classification of Islamic Star Pattern Images | Mohamed Ould Djibril, Youssef Hadi, Rachid Oulad Haj Thami | Poster | Applications |
| 355 | BigBatch: An Environment for Processing Monochromatic Documents | Rafael Dueire Lins, Bruno Tenório Ávila, Andrei de Araújo Formiga | Poster | Applications |
| 210 | An HMM-SNN Method for Online Handwriting Symbol Recognition | Bing Quan Huang, M-T. Kechadi | Poster | Applications |

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|--------------|---|--|---|--------|--|
| | 296 | A Novel Shadow Detection Algorithm for Real Time Visual Surveillance Applications | Alessandro Bevilacqua | Poster | Applications |
| | 631 | A Bayesian Approach For Building Detection in Densely Build-up High Resolution Satellite Image | Zongying Song, Chunhong Pan, Q Yang | Poster | Special Session: Remote Sensing Image Processing |
| | 520 | Striping Noise Removal of Satellite Images by Nonlinear Mapping | Euncheol Choi, Moon Gi Kang | Poster | Special Session: Remote Sensing Image Processing |
| 17:00 | Session WOS17 - Applications II | | | | |
| | 349 | Joint Spatial and Tonal Mosaic Alignment for Motion Detection with PTZ Camera | Pietro Azzari, Alessandro Bevilacqua | Oral | |
| | 430 | A system for automatic counting the number of collembola individuals on petri disk images | Andre R.S. Marcal, Cristina M.R. Caridade | Oral | |
| | 472 | Integrating Low-Level and Semantic Visual Cues for Improved Image-to-Video Experiences | Pedro Pinho, Joel Baltazar, Fernando Pereira | Oral | |
| | 572 | Automating visual inspection of print quality | J. Vartiainen, S. Lyden, A. Sadovnikov, J.-K. Kamarainen, L. Lensu, P. Paalanen, H. Kalviainen | Oral | |
| 17:00 | Session WOS18 - Biomedical Image Analysis II | | | | |
| | 576 | Semivariogram Applied for Classification of Benign and Malignant Tissues in Mammography | Valdeci Ribeiro da Silva Jr., Anselmo Cardoso de Paiva, Aristófanés Corrêa Silva, Alexandre Cesar Muniz de Oliveira | Oral | |
| | 204 | A Method for Interpreting Pixel Grey Levels in Digital Mammography | Dieter Roller, Constanza Lampasona | Oral | |
| | 186 | Prostate Tissue Characterization using TRUS Image Spectral Features | S.S. Mohamed, A.M. Youssef, E.F. El-Saadany, M.M.A. Salama | Oral | |
| | 259 | Lung Parenchyma Segmentation from CT Images based on Material Decomposition | Carlos Vinhais, Aurélio Campilho | Oral | |