



ACIVS 2001

Advanced Concepts for Intelligent Vision Systems

3rd International Conference on

In collaboration with INTERSYMP 2001, July 30 – August 4, Baden-Baden, Germany

WEDNESDAY, AUGUST 1

[8 – 9:00] Registration – Welcome

[9:00] Opening session

SESSION A VISION SYSTEMS AND SCENE UNDERSTANDING

[9:15] Adaptive Classification for ROI-Selection in Image Sequences, *B. Bargel, K.-H. Bers, G. Schwan*

[9:40] Facet based image processing and representation, *A. V. Michtchenko*

[10:05] Evolving motricity in particle-based models, *B. Stanciulescu, J.-L. Florens, J. Louchet, A. Luciani*

[10:30] Coffee break

[10:45] A real production vision system for aggregates and froth quality control, *W. X. Wang, O. Stephansson*

[11:10] CAD based vision for guiding a mobile robot, *M. Ayromlou, W. Ponweiser, C. Beltran, O. Madsen, M. Vincze, A. Gasteratos*

[11:35] Object detection and feature extraction for the recognition of real world images, *Haomin Jin*

[12:00] A generic environment for the evaluation of vision systems, *J. Blanc-Talon, V. Ropert*

SESSION B1 PATTERN RECOGNITION

[14:00] Robust human detection and segmentation using prototype based deformable templates, *L. Li, M. K. H. Leung*

[14:25] 3D shape modeling by a multilayer network, *I. Kumazawa, M. Ohno*

[14:50] A new neural network based colour shape from shading methodology, *T.W.S. Chow, S.-Y. Cho*

[15:15] Pause

SESSION C VIDEO PROCESSING, SURVEILLANCE AND IMAGE SECURITY

[15:30] Image scrambling using an optimal basis with isotropic energy concentration, *D. V. D. Ville, W. Philips, I. Lemahieu*

[15:55] Content based image matching using Gabor filtering, *V. Kyrki, J.-K. Kamarainen, H. Kälviäinen*

[16:20] Reduction of the number of domain blocks enrolled in a domain pool for fractal image coding, *H. Kuroda, K. Imamura, Y. Tanak, M. Fujimura, Y. Wang*

[16:45] Suspicious human action detection for video surveillance, *L. Li, M. K. H. Leung*

[17:10] Finding initial estimates of face location in color images, *T. S. Caetano, D. A. C. Barone*

THURSDAY, AUGUST 2

[9:00] Tutorial: Principles of Noise Reduction in Image Processing, *W. Philips*

[10:15] Coffee break

SESSION B PATTERN RECOGNITION

[10:30] The Computational Algorithm for Solving Jigsaw Puzzles, *F.-H. Yao, G.-F. Shao, H. Yamada, K. Kato*

[10:55] Reduction of bias by imposing arc length constraints in ellipse fitting, *P. Peron, D. Dufresnois*

[11:20] A Three-Component Method for Shape-Based Image Retrieval, *D. Adjeroh, M. Brown*

[11:45] Texture image classification using discrete multiwavelet transform and fuzzy neural network, *S. Li, Y. Wang, B. Lohmann*

SESSION D IMAGE PROCESSING

[14:00] Image magnification with multiresolution analysis, *F. Nicolier, F. Truchetet*

[14:25] A 2D filter specification for sonar image thresholding, *I. Quidu, J. Ph. Malkasse, G. Burel, P. Vilbé*

[14:50] A New Measure of Image Enhancement, *S. S. Agaian, K. P. Lentz, A. Grigoryan*

[15:15] Pause

[15:30] Noise reduction in mammographic images using adaptive neighborhood contrast enhancement, *V. H. Guis, M. Adel, M. & G. Rasigni, B. Seradour, P. Heid*

[15:55] A wavelet multifractal formalism for edge detection, *Z. Wan, G. Cheng*

[16:20] A Model-based Image segmentation framework using labeled and unlabeled data, *J. L. Chen, S. R. Gunn*

STEERING COMMITTEE

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ORGANIZING COMMITTEE

ACIVS'2001 will be hosted by the 13th Int. Conf. on Systems Research, Informatics and Cybernetics, organized by the International Institute for Advanced Studies (www.ias.edu).

