<<Progress in Pattern >>

<<Progress in Pattern Recognition, Image Analysis and Applications
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This book constitutes the refereed proceedings of the 10th Iberoamerican Congress on Pattern Recognition, CIARP 2005, held in Havana, Cuba in November 2005.	The 107 revised full papers presented together with 3 keynote articles were carefully reviewed and selected from more than 200 submissions. The papers cover ongoing research and mathematical methods for pattern recognition, image analysis, and applications in such diverse areas as computer vision, robotics, industry, health, entertainment, space exploration, telecommunications, data mining, document analysis, and natural language processing and recognition.

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Regular Papers CT and PET Registration Using Deformations Incorporating Tumor-Based Constraints Surface Grading Using Soft Colour-Texture Descriptors Support Vector Machines with Huffman Tree Architecture for Multiclass Classification Automatic Removal of Impulse Noise from Highly Corrupted Images Smoothing of Polygonal Chains for 2D Shape Representation Using a G2-Continuous Cubic A-Spline A Robust Statistical Method for Brain Magnetic Resonance Image Segmentation Inference Improvement by Enlarging the Training Set While Learning DFAs A Computational Approach to Illusory Contour Perception Based on the Tensor Voting Technique A Novel Clustering Technique Based on Improved Noising Method Object Recognition in Indoor Video Sequences by Classifying Image Segmentation Regions Using Neural Networks Analysis of Directional Reflectance and Surface Orientation Using Fresnel Theory Lacunarity as a Texture Measure for Address Block Segmentation Measuring the Quality Evaluation for Image Segmentation Frame Deformation Energy Matching of On-Line Handwritten Characters Nonlinear Civil Structures Identification Using a Polynomial Artificial Neural Network A Method of Automatic Speaker Recognition Using Cepstral Features and Vectorial Quantization Classification of Boar Spermatozoid Head Images Using a Model Intracellular Density Distribution Speech Recognition Using Energy Parameters to Classify Syllables in the Spanish Language A Strategy for Atherosclerotic Lesions Segmentation Image Scale-Space from the Heat Kernel A Naive Solution to the One-Class Problem and Its Extension to Kernel Methods Nonlinear Modeling of Dynamic Cerebral Autoregulation Using Recurrent Neural Networks……Keynote LecturesAuthor Index

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