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This book constitutes the refereed proceedings of the 9th International Workshop on Structural and Syntctic Pattern Recognition, SSPR 2002 and the 4th International Workshop on Statistical Techniques in Pattern Recognition, SPR 2002 held jointly in Windsor, Ontario, Canada in August 2002.　　The 45 revised full papers and 35 poster papers presented together with three invited papers were carefully reviewed and selected from 116 submissions. The papers are organized in topical sections on graphs, grammars, and languages; graphs, strings, and grammars; documents and OCR; image shape analysis and application; density estimation and distribution models; multi classifiers and fusion; feature extraction and selection; general methodology; and image shape analysis and application.

Technical Drawings and Forms 3D Reconstruction of Paper Based Assembly Drawings: State of the Art and Approach Interpretation of Low-Level CAD Data for Knowledge Extraction in Early Design Stages Knowledge-Based Partial Matching: An Efficient Form Classification Method Robust Frame Extraction and Removal for Processing Form Documents Validation, User Interfaces Issues in Ground-Truthing Graphic Documents Sketch-Based User Interface for Inputting Graphic Objects on Small Screen Devices Experimental Evaluation of a Trainable Scribble Recognizer for Calligraphic Interfaces User Interfaces for On-Line Diagram RecognitionSymbol Segmentation and Recognition Symbol Recognition: Current Advances and Perspectives An Error-Correction Graph Grammar to Recognize Texture SymbolsPerceptual Organization Perceptual Organization as a Foundation for Graphics Recognition Exploiting Perceptual Grouping for Map Analysis, Understanding and Generalization: The Case of Road and River Networks Extraction of Contextual Information Existing among Component Elements of Origami BooksMap Recognition Text/Graphics Separation in Maps Semantic Analysis and Recognition of Raster-Scanned Color Cartographic Images Structure Based Interpretation of Unstructured Vector Maps Generating Logic Descriptions for the Automated Interpretation of Topographic MapsGraphics Recognition Technology Scan-to-XML: Using Software Component Algebra for Intelligent Document Generation Interpreting Sloppy Stick Figures by Graph Rectification and Constraint-Based Matching Using a Generic Document Recognition Method for Mathematical Formulae Recognition Interpreting Line Drawing Images: A Knowledge Level Perspective…
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