

Table of Contents

Use of Perceptive Vision for Ruling Recognition in Ancient Documents	1
<i>Aur�lie Lemaitre, Bertrand Co�asnon, and Jean Camillerapp</i>	
Fuzzy Intervals for Designing Structural Signature: An Application to Graphic Symbol Recognition	12
<i>Muhammad Muzzamil Luqman, Mathieu Delalandre, Thierry Brouard, Jean-Yves Ramel, and Josep Llad�s</i>	
Interactive Conversion of Web Tables	25
<i>Raghav Krishna Padmanabhan, Ramana Chakradhar Jandhyala, Mukkai Krishnamoorthy, George Nagy, Sharad Seth, and William Silversmith</i>	
Comparing Graph Similarity Measures for Graphical Recognition	37
<i>Salim Jouili, Salvatore Tabbone, and Ernest Valveny</i>	
Robust and Precise Circular Arc Detection	49
<i>Bart Lamiroy and Yassine Guebba</i>	
Automatic Palette Identification of Colored Graphics	61
<i>Vinciane Lacroix</i>	
Detection of Circular Arcs in a Digital Image Using Chord and Sagitta Properties.....	69
<i>Sahadev Bera, Partha Bhowmick, and Bhargab B. Bhattacharya</i>	
GOAL: Towards Understanding of Graphic Objects from Architectural to Line Drawings	81
<i>Shyamosree Pal, Partha Bhowmick, Arindam Biswas, and Bhargab B. Bhattacharya</i>	
Extracting Road Vector Data from Raster Maps	93
<i>Yao-Yi Chiang and Craig A. Knoblock</i>	
Human Perception in Segmentation of Sketches	106
<i>Pedro Company, Peter A.C. Varley, Ana Piquer, Margarita Vergara, and Jaime S�nchez-Rubio</i>	
SSP: Sketching Slide Presentations, a Syntactic Approach	118
<i>Joan Mas, Gemma Sanchez, and Josep Llad�s</i>	
QuickDiagram: A System for Online Sketching and Understanding of Diagrams	130
<i>Liu Wenyin, Xiangfei Kong, Yiming Wang, Chester Wan, Cheuk-Yin Ho, Tong Lu, and Zhengxing Sun</i>	

Segmenting and Indexing Old Documents Using a Letter Extraction	142
<i>Mickael Coustaty, Sloven Dubois, Jean-Marc Ogier, and Michel Menard</i>	
A New Minimum Trees-Based Approach for Shape Matching with Improved Time Computing: Application to Graphical Symbols Recognition	150
<i>Patrick Franco, Jean-Marc Ogier, Pierre Loonis, and Rémy Mullot</i>	
Unified Pairwise Spatial Relations: An Application to Graphical Symbol Retrieval	163
<i>K.C. Santosh, Laurent Wendling, and Bart Lamiroy</i>	
Real Scene Sign Recognition	175
<i>Linlin Li and Chew Lim Tan</i>	
Symbol Recognition Using a Concept Lattice of Graphical Patterns	187
<i>Marçal Rusiñol, Karell Bertet, Jean-Marc Ogier, and Josep Lladós</i>	
Touching Text Character Localization in Graphical Documents Using SIFT	199
<i>Partha Pratim Roy, Umapada Pal, and Josep Lladós</i>	
Graphical Drop Caps Indexing	212
<i>Hassan Chouaib, Florence Cloppet, and Nicole Vincent</i>	
Content Recognition and Indexing in the LiveMemory Platform	220
<i>Rafael Dueire Lins, Gabriel Torreão, and Gabriel Pereira e Silva</i>	
Segmentation of Colour Layers in Historical Maps Based on Hierarchical Colour Sampling	231
<i>Stefan Leyk</i>	
A New Image Quality Measure Considering Perceptual Information and Local Spatial Feature	242
<i>Nathalie Girard, Jean-Marc Ogier, and Étienne Baudrier</i>	
GREC'09 Arc Segmentation Contest: Performance Evaluation on Old Documents	251
<i>Hasan S.M. Al-Khaffaf, Abdullah Z. Talib, Mohd. Azam Osman, and Poh Lee Wong</i>	
A Performance Characterization Algorithm for Symbol Localization	260
<i>Mathieu Delalandre, Jean-Yves Ramel, Ernest Valveny, and Muhammad Muzzamil Lugman</i>	
Graphics Recognition—What Else?	272
<i>Karl Tombre</i>	
Author Index	279