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Descrizione fisica	1 online resource (XII, 267 p. 162 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 8746
Disciplina	006.37
Soggetti	Natural language processing (Computer science) Optical data processing Algorithms Pattern recognition Computer graphics Natural Language Processing (NLP) Image Processing and Computer Vision Algorithm Analysis and Problem Complexity Pattern Recognition Computer Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes Index.
Nota di contenuto	Spotting Graphical Symbols in Camera-Acquired Documents in Real Time -- A Product Graph Based Method for Dual Subgraph Matching Applied to Symbol Spotting -- Hierarchical Plausibility-Graphs for Symbol Spotting in Graphical Documents -- Towards Searchable Line Drawings: A Content-Based Symbol Retrieval Approach with Variable Query Complexity -- Adaptive Contour Classification of Comics Speech Balloons -- Modified Weighted Direction Index Histogram Method for Schema Recognition -- An Algorithm for Grouping Lines Which Converge to Vanishing Points in Perspective Sketches of Polyhedral -- Visual Saliency and Terminology Extraction for Document Classification

-- Unsupervised and Notation-Independent Wall Segmentation in Floor Plans Using a Combination of Statistical and Structural Strategies --  
Detecting Recurring Deformable Objects: An Approximate Graph Matching Method for Detecting Characters in Comics Books --  
Runlength Histogram Image Signature for Perceptual Retrieval of Architectural Floor Plans -- A Stitching Method for Large Document Images --  
Filtering out Readers' Underline in Monochromatic and Color Documents -- Binarization with the Local Otsu Filter Integral Histograms for Document Image Analysis -- Improved Contour-Based Corner Detection for Architectural Floor Plans -- The ICDAR/GREC 2013 Music Scores Competition: Staff Removal -- Interpretation, Evaluation and the Semantic Gap: What If We Were on a Side-Track? --  
Final Report of GREC'13 Arc and Line Segmentation Contest -- Datasets for the Evaluation of Substitution-Tolerant Subgraph Isomorphism --  
Evaluation of Diagrams Produced by Text-to-Graphic Conversion Systems.

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### Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 10th International Workshop on Graphics Recognition, GREC 2013, held in Bethlehem, PA, USA, in August 2013. The 20 revised full papers presented were carefully reviewed and selected from 32 initial submissions. Graphics recognition is a subfield of document image analysis that deals with graphical entities in engineering drawings, sketches, maps, architectural plans, musical scores, mathematical notation, tables, and diagrams. Accordingly the conference papers are organized in 5 topical sessions on symbol spotting and retrieval, graphics recognition in context, structural and perceptual based approaches, low level processing, and performance evaluation and ground truthing.

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