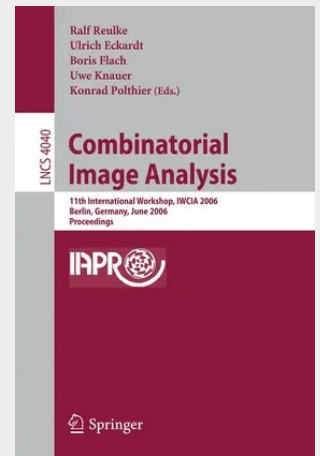


Combinatorial Image Analysis

11th International Workshop, IWCIA 2006, Berlin, Germany, June 19-21, 2006, Proceedings

This volume constitutes the refereed proceedings of the 11th International Workshop on Combinatorial Image Analysis, IWCIA 2006, held in Berlin, June 2006. The book presents 34 revised full papers together with two invited papers, covering topics including combinatorial image analysis; grammars and models for analysis and recognition of scenes and images; combinatorial topology and geometry for images; digital geometry of curves and surfaces; algebraic approaches to image processing, and more.

This volume presents the proceedings of the 11th International Workshop on Combinatorial Image Analysis. IWCIA 2006 was the 11th in a series of international workshops devoted to combinatorial image analysis. Prior meetings took place in Paris (France 1991), Ube (Japan 1992), Washington DC (USA 1994), Lyon (France 1995), Hiroshima (Japan 1997), Madras (India 1999), Philadelphia (USA 2001), Palermo (Italy 2003) and Auckland (New Zealand 2004). For this workshop were received 59 papers from all over the world. Each paper was assigned to three independent referees and carefully revised. Finally, we selected 34 papers for the conference based on content, significance, relevance, and presentation. Conference papers are presented in this volume in the order they were presented at the conference. The topics of the conference covered combinatorial image analysis, grammars and models for analysis and recognition of scenes or images, combinatorial topology and geometry for images, digital geometry of curves or surfaces, algebraic approaches to image processing, image, point-clouds or surface registration as well as fuzzy and probabilistic image analysis. The program followed a single-track format with presentations of all published conference papers. Non-overlapping oral and poster sessions ensured that all attendees had opportunities to interact personally with presenters. Among the highlights of the meeting were the talks of four two invited speakers, renowned experts in the field of discrete geometry, digital topology, and image analysis: – David Coeurjolly (University of Lyon, France): Computational Aspects of Digital Plane and Hyperplane Recognition – Longin Jan Latecki (Temple University, Philadelphia, USA): Polygonal Approximation of Point Sets.



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