Preface

This volume presents the proceedings of the 10th International Workshop on Combinatorial Image Analysis, held December 1–3, 2004, in Auckland, New Zealand. Prior meetings took place in Paris (France, 1991), Ube (Japan, 1992), Washington DC (USA, 1994), Lyon (France, 1995), Hiroshima (Japan, 1997), Madras (India, 1999), Caen (France, 2000), Philadelphia (USA, 2001), and Palermo (Italy, 2003). For this workshop we received 86 submitted papers from 23 countries. Each paper was evaluated by at least two independent referees. We selected 55 papers for the conference. Three invited lectures by Vladimir Kovalevsky (Berlin), Akira Nakamura (Hiroshima), and Maurice Nivat (Paris) completed the program.

Conference papers are presented in this volume under the following topical part titles: discrete tomography (3 papers), combinatorics and computational models (6), combinatorial algorithms (6), combinatorial mathematics (4), digital topology (7), digital geometry (7), approximation of digital sets by curves and surfaces (5), algebraic approaches (5), fuzzy image analysis (2), image segmentation (6), and matching and recognition (7). These subjects are dealt with in the context of digital image analysis or computer vision.

The editors thank all the referees for their big effort in reading and evaluating the submissions and maintaining the high standard of IWCIA conferences. We are also thankful to the sponsors of IWCIA 2004: the University of Auckland, in particular its Tamaki campus, for hosting the workshop, IAPR (the International Association for Pattern Recognition) for advertising the event, the Royal Society of New Zealand for its financial support, and CITR (the Centre for Image Technology and Robotics at Tamaki campus) and the Computer Science Department of the University of Auckland for providing the day-by-day support during the organizing the event. Also, many thanks to the members of the organizing and scientific committees, which made this conference possible.

September 2004

Reinhard Klette and Joviša Žunić
Organization

IWCIA 2004 was organized by the CITR—Centre for Image Technology and Robotics at Tamaki Campus—and the Computer Science Department, of the University of Auckland, New Zealand.

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