

Discrete Geometry for Computer Imagery

10th International Conference, DGCI 2002, Bordeaux, France, April 3-5, 2002. Proceedings

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Preface

DGCI 2002, the tenth in a series of international conferences on Discrete Geometry for Computer Imagery, was held in Bordeaux, France April 3-5, 2002. The aim of the conference was to present recent advances in both theoretical aspects and applications of discrete geometry. It was organized by the Laboratory of Computer Science of Bordeaux (Bordeaux 1 University) and sponsored by the International Association for Pattern Recognition (IAPR) and the French National Center of Scientific Research (CNRS).

This DGCI conference confirmed the increasing interest of the computer imagery community for discrete geometry, with 67 papers submitted from 23 countries all around the world. After reviewing, 35 contributions were accepted from which 22 were selected for oral presentation and 13 for poster presentation. These contributions focus mainly on the following topics: Models for Discrete Geometry, Topology, Combinatorial Image Analysis, Morphological Analysis, Segmentation, Shape Representation and Recovery, and Applications of Discrete Geometry in Image Processing and Computer Graphics.

This program was completed by invited lectures from three internationally known speakers: Alfred M. Bruckstein (Haifa Computer Science Dept, Israel), Gabor Herman (City University of New York, USA), and Walter Kropatsch (Technical University of Vienna, Austria).

Many people have contributed to the organization of the conference. In particular we would like to thank all the authors who submitted papers and the invited speakers for their contribution. Also we would like to thank the program committee and the reviewer board for their careful review and the members of the Steering Committee and of the Local Committee for their help.

We are grateful to the following institutions for their financial support: the Bordeaux 1 University, Région Aquitaine, the CNRS, the LaBRI (Laboratory of Computer Science of Bordeaux), the ENSEIRB (National School of Engineers in Electronics, Computer Science, and Telecommunication of Bordeaux), and the City of Bordeaux.

Finally we thank all the participants and we hope that they found interest in the scientific program and that they enjoyed their stay in the capital of Gasconha.

January 2002

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